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SPECTRO PERFORMANCE OILS

Spectro Oils of America, a division of Intercontinental Lubricants Corporation, has been blending, packaging and marketing state-of-the-art motorcycle lubricants for more than 25 years. Spectro's Heavy-Duty and Golden American lubricant lines have been developed specifically for use in Harley-Davidson motorcycles and have been race proven with numerous number #1 plates in 883 AMA Twin Sports racing and were used in the world record setting Drag-Race V-Twin's. They used the same Spectro oil as you can buy at your local Zodiac dealer. The oils are formulated to withstand the demands of Harley-Davidson V-Twin engines new or old, and are offered in SAE 50, SAE 60 and SAE 70 single grades as well as SAE 10W40, SAE 20W50, and SAE 25W60 Multigrade. Sold to dealers in shop cases of 12 x 1 quarts (0.946L.) or 12 x 1L. Multigrade SAE 20W50 and single grade SEA 50 are also available in cases of 4 X 1 Gallon as well as 60L. drums for workshop use.

Some Spectro-oil features are:

- Anti-wear characteristics that extend engine life
- Additives that helps engines cold start and protect against oil breakdown at high temperatures
- Additives that cushion moving parts while fighting friction and protect crankshaft bearings
- Ingredients which keep valves from sticking and retard the formation of sludge, varnish and rust.
- Rated to the highest possible API classification

Note: Spectro Motor Oil is probably the only non-OEM Motor Oil that meets Harley-Davidson's latest specifications. It surpasses all warranty performance criteria for Harley-Davidson engines and does not void new vehicle warranties.

Spectro Heavy Duty SAE 60
745053 1 US Quart bottle (0.946 Liter)
235208 Dealer pack with 12 US Quart bottles (0.946 Liter)



SPECTRO HEAVY DUTY SAE 20W50

Recommended for use in all Harley-Davidson motorcycles with Evolution or Twin Cam engines. Climatic temperatures between -10° and 40° Celsius (20° to 100° Fahrenheit).

Spectro Heavy Duty SAE 20W50
745055 1 US Quart bottle (0.946 Liter)
745061 1 US Gallon bottle
235210 Dealer pack with 12 US Quart bottles (0.946 Liter)
237392 Dealer pack with 4 US Gallon bottles (3.7854 Liter)
235216 60 Liter drum



SPECTRO HEAVY DUTY SAE 70

Recommended for use in all Harley-Davidson motorcycles with pre-Evolution engines which are getting a little loose and are ridden in areas with climatic temperatures between 25° and 40° Celsius (80° to 100° Fahrenheit).

Spectro Heavy Duty SAE 70
745054 1 US Quart bottle (0.946 Liter)
235209 Dealer pack with 12 US Quart bottles (0.946 Liter)



SPECTRO HEAVY DUTY SAE 50

Recommended for use in all Harley-Davidson motorcycles with pre-Evolution engines. Climatic temperatures between 5° and 32° Celsius (40° to 90° Fahrenheit).

Spectro Heavy Duty SAE 50
745052 1 US Quart bottle (0.946 Liter)
235207 Dealer pack with 12 US Quart bottles (0.946 Liter)
235217 60 Liter drum



SPECTRO GOLDEN SEMI-SYNTHETIC 20W40 FOR INDIAN AND VICTORY

Golden Spectro is a super premium blended Semi-Synthetic lubricant. Exceeds all known motorcycle manufacturer's warranty requirements, plus A.P.I. SL/JASO MA/MA2. Smoother shifting, highest shear stability and exceptional endurance. This 20W-40 is great for use in both engine and transmission in all 1998 thru 2017 Victory and 2013 to present Indian motorcycles, except Indian Scout and Victory Octane. For these we recommend Spectro Platinum Full Synthetic SAE 15W-50.

Golden Spectro 20W-40 for Indian and Victory

745064 1 Liter bottle
744446 Dealer pack with 12 bottles of 1 Liter



SPECTRO HEAVY DUTY SAE 10W40

Recommended for use in all Harley-Davidson motorcycles with Evolution or Twin Cam engines. Climatic temperatures between -12° and +10° Celsius (10° to 50° Fahrenheit).

Spectro Heavy Duty SAE 10W40
745062 1 Liter bottle
741332 Dealer pack with 12 bottles of 1 Liter



SPECTRO HEAVY DUTY SAE 25W60

Recommended for use in all Harley-Davidson motorcycles with Evolution or Twin Cam engines. Climatic temperatures between 5° and 45° Celsius (40° to 120° Fahrenheit).

Spectro Heavy Duty SAE 25W60
745059 1 US Quart bottle (0.946 Liter)
236109 Dealer pack with 12 US Quart bottles (0.946 Liter)



SPECTRO HEAVY DUTY SAE 60

Recommended for use in all Harley-Davidson motorcycles with pre-Evolution engines. Climatic temperatures between 25° and 40° Celsius (80° to 100° Fahrenheit).



SPECTRO GOLDEN SEMI-SYNTHETIC SAE 20W50

Spectro's Heavy Duty Golden semi-synthetic motor oil represents a significant improvement in High Performance motor oils. Conventional all-mineral oil formulations offering high film strength provide only minimum cleanliness, since heavy carbon petroleum-base stocks are used to achieve extra protection. With Heavy Duty Golden semi-synthetic, the need for these heavy mineral oils is eliminated through the use of a complex synthetic that exceeds even the heaviest petroleum oils in film strength, providing a level of protection previously unattainable. The semi-synthetic petroleum blend is a 20W50 formulation specifically for the large air-cooled Harley-Davidson engines. Enhanced additive technology yields improved wear, rust and oxidation resistance, and ensuring longer engine life. Heavy Duty Golden semi-synthetic is rated to the highest possible API service classification SG, and is strongly recommended for all Big Bore, Stroker and High Performance Harley-Davidson engines including gas or alcohol burning Drag-Race motors. This very same oil is used by Scott "The Z-Man" Zampach winning the Harley-Davidson championship in both the AMA U.S. Twins and AMA C.C.S. Twin Sport races without any engine failure.

Spectro Heavy Duty Golden semi-synthetic SAE 20W50

- 745051** 1 US Quart bottle (0.946 Liter)
235202 Dealer pack with 12 US Quart bottles (0.946 Liter)
236243 60 Liter drum



SPECTRO PLATINUM FULL SYNTHETIC SAE 10W50

Spectro's Platinum Synthetic is a Premium full synthetic motorcycle engine lubricant. It is a blend of PAO Group IV synthetic base oils made with Spectro's new Spectra-Syn technology using the

very latest technology A.P.I. SH & CG additive package fortified with additional anti-wear and anti-foam additives to provide smooth shifting characteristics in motorcycles with transmissions that share the engine lubricant. Since Spectro Platinum Synthetic uses no Viscosity Index improvers, there is virtually no viscosity breakdown, even not in a motorcycle gearbox environment. Spectro Platinum Synthetic is the ideal choice for all four-stroke motorcycles where a full synthetic, high performance oil is desired for touring, competition, and off-road use. Observe manufacturers' recommendations for viscosity and change intervals. Recommended for use wherever an A.P.I., SF, SG, SH oil is specified. Sold to dealers in cartons with 12 bottles of 1 liter.

Spectro Platinum Synthetic SAE 10W50

- 745056** 1 Liter bottle
235211 Dealer pack with 12 bottles of 1 Liter



SPECTRO PLATINUM FULL SYNTHETIC SAE 15W50

Spectro Platinum Synthetic is the ultimate state-of-the-art synthetic engine lubricant that incorporates the very latest A.P.I. SG additive technology. This lubricant is fortified with extremely shear stable Viscosity Index Improvers to provide smooth shifting and long life in motorcycle engines where transmissions or primaries share engine lubricant. Spectro Platinum Synthetic is the ultimate choice for all engines where severe conditions, such as extreme temperatures are encountered. This synthetic oil will reduce friction significantly over conventional motor oils. It is the ultimate choice for competition, off-road and street high-performance use.

- 745060** 1 Liter bottle
236110 Dealer pack with 12 bottles of 1 Liter



SPECTRO PLATINUM FULL SYNTHETIC SAE 20W50 MOTOR OIL FOR USE IN HARLEY-DAVIDSON AND OTHER AMERICAN V-TWINS

Finally one single lubricant in stead of 3 different oils for engine, transmission, and primary. Spectro Heavy Duty Platinum advanced full synthetic motorcycle lubricant is specifically designed to handle all the difficult and unique lubrication tasks in modern American-made V-Twin motorcycles, air cooled as well as liquid cooled.

- For use in all Evolution, Twin Cam, and V-Rod engines new or used
- For use in all Evolution, Twin Cam, and V-Rod transmissions, providing smooth and quiet shifting
- For use in all Evolution, Twin Cam, and V-Rod primary chain cases and wet clutches

Spectro Heavy Duty Platinum Full Synthetic is a blend of PAO synthetic base oils with Spectro's new Spectra-Syn technology and the latest A.P.I. SH/CF-4 CG-4 technology additive package fortified with additional anti-wear and anti-foam additives to provide smooth shifting characteristics in motorcycles with transmissions and clutch cases. Now, you can use one lubricant for all three applications. Since Spectro Heavy Duty Platinum Full Synthetic uses no Viscosity Index improvers, there is virtually no viscosity breakdown in a motorcycle gearbox or clutch case environment. It is the ideal choice for all four-stroke V-Twin motorcycles where a full synthetic, high performance oil is desired for touring, competition, and long distance use. Observe manufacturers' recommendations for viscosity and change intervals. Recommended for use wherever an A.P.I., SF, SG, SH or CF-4 and CG-4 oil is specified. Exceeds Harley warranty requirements including the HD 360 standard as well as petroleum industry standards A.P.I. SF, SG, SH, and is A.P.I. CF-4 & CG-4 approved.

Spectro Platinum Full Synthetic SAE 20W50

- 745063** 1 US Quart bottle (0.946 Liter)
741334 Dealer pack with 6 US Quart bottles (0.946 Liter)
741337 Dealer pack with 12 US Quart bottles (0.946 Liter)



SPECTRO PREMIUM PRIMARY & TRANSMISSION LUBRICANT

Spectro "Premium" primary chain & transmission lubricant is the best available fluid for lubrication of Harley-Davidson chain-cases and chain-case/transmission combinations under all conditions. The use of "Premium" primary chain-case/transmission lubricant eliminates most gear noises and clutch sticking even after prolonged periods of storage. It is formulated with special high-shear polymers to eliminate gear wear and ensure positive clutch control and smooth operation. Spectro "Premium" primary and transmission lubricant is recommended for use in all Harley-Davidson Big Twin models with closed primaries and all Sportster models with combined primary/transmission.

- 235198** Spectro primary and transmission lube, 1qrt (.946L.) bottle
235203 Spectro primary and transmission lube (case of 12 bottles)
236198 Spectro primary and transmission lube (60L. drum)



SPECTRO PLATINUM FULL SYNTHETIC PRIMARY & TRANSMISSION LUBRICANT FOR SPORTSTER

Spectro Heavy Duty Platinum Full Synthetic Sportster Transmission Lube (in short; STL) is a fully formulated SAE 75W-140 synthetic transmission lubricant engineered to work in all applications where the same oil lubricates the clutch, primary and transmission. A.P.I. GL-1 rated. Dyed green. Exceeds all known OEM and Harley-Davidson warranty requirements. The perfect lubricant for Sportsters and air cooled Buells.

- 741764** Single bottle of 1 Quart (.946L.)
741763 Dealer pack containing 12 bottles of 1 Quart (.946L.)

01	HELMETS, LUGGAGE, AUDIO & MORE
02	SEAT
03	EXHAUST
04	ELECTRIC & LIGHT
05	ENGINE ELECTRICS
06	INTAKE
07	ENGINE
08	PRIMARY
09	TRANSMISSION
10	FINAL DRIVE
11	WHEELS & TIRE
12	BRAKE
13	FOOT CONTROL
14	HANDLEBAR
15	FRONT SUSPENSION
16	CHASSIS/FRAME & SHOCKS
17	FENDER & STRUTS
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SPECTRO PREMIUM HYPOID GEAR LUBRICANT

Spectro hypoid transmission lube is a multi-viscosity SAE 80W90 GL5 extreme high pressure gear lubricant that is especially formulated for use in both 4 and 5 Speed Harley-Davidson Big Twin transmissions. Specifications exceed all of the API gear oil classifications GL1 thru GL5. Special additives provide improved fluid flow to bearings, easier shifting and less drive train friction.

745050 1 Liter bottle

235194 Dealer pack with 12 bottles of 1 Liter

235197 5 Gallon pail (18.9 Liter)

235200 60L. drum



SPECTRO "PREMIUM GEAR GUARD" SAE 85W140 GEAR OIL

Spectro Heavy-Duty gear oil is a multi-viscosity SAE 85W140 GL5 extreme high pressure gear lubricant. This new formula will help quiet noisy transmissions in both 4 and 5 Speed Harley-Davidson Big Twin transmissions. Specifications exceed all of the Harley & API gear oil classifications GL1 thru GL5. Special additives provide improved fluid flow to bearings, easier shifting and less drive train friction.

Spectro Heavy-Duty "Gear Guard" SAE 85W140 gear oil

745058 1 US Quart bottle (0.946 Liter)

236108 Dealer pack with 12 bottles of 1 US Quart (0.946 Liter)

235293 5 gallon pail (18.9 Liter)

741333 60 Liter drum



SPECTRO PLATINUM FULL SYNTHETIC TRANSMISSION OIL

The Ultimate in High Performance transmission lubrication. Spectro Platinum Synthetic gear lubricants are specially formulated using state of the art synthetic fluids and advanced additive technology, to give your Harley-Davidson transmission the highest quality protection and lubrication. The full synthetic transmission oil drastically reduces the internal friction, increasing the life of your expensive drive train. This transmission oil has unsurpassed thermal stability and protects critical components at temperatures higher than any other conventional transmission oil. Spectro Platinum Synthetic transmission oil provides: Low drag, high efficiency, easier and smoother shifting, reduced fuel and maintenance costs, total protection of the gears and bearings, total seal compatibility and superior performance. Spectro Platinum Synthetic transmission gear oil is compounded with rust and corrosion inhibitors, anti wear additives and de-foamers. Its high viscosity index (SAE 75W140 GL-1) will not thin out excessively, even under the most severe operating conditions. Highly recommended for curing "noisy" transmissions. Sold in shop cases of 12 bottles, or single bottles of 1 US quart (0.946L.).

236680 Spectro Platinum synthetic transmission oil (each)

235206 Spectro Platinum synthetic transmission oil (Shopcase of 12 bottles)



SPECTRO PLATINUM LUBRICANT FOR 6-SPEED TRANSMISSIONS

Designed by Spectro in response to complaints from Harley owners about the greatly operating but noisy new 6-speed transmission as fitted from 2006 to present in the Dyna and 2007 to present in Softails and Touring models. Formulated to significantly reduce gear noise and

provide easier, smoother shifting, this API GL-5 rated SAE 75W140 formulation eases shifting even when cold. This full synthetic provides ultimate lubrication protection. High loads and extreme heat do not affect the oil, so it performs well when pushed hard and long.

741706 Spectro Heavy-Duty Platinum 6-speed oil, 1 bottle containing 1 quart (0.946L.)

741705 Spectro Heavy-Duty Platinum 6-speed oil, dealer box of 12 bottles containing 1 quart (0.946L.)



SPECTRO FORK OIL

Spectro's fork oils are premium quality and have a superior viscosity index to minimize viscosity loss due to heat build-up during riding even under the most severe conditions. This ensures superb performance over a wide range of operating temperatures. Available in Extra Light SAE 15W, Type-E SAE 20W20 (light) for normal road use and an extra Heavy Duty SAE 40 quality. The Heavy Duty quality meets or exceeds all Original Manufacturers specifications. Spectro fork oil dramatically reduce the sticking friction at the moment of direction change, provide superior seal conditioning and protection against rust and oxidation, resist thinning and fading, contents antifoaming additives and extend components life when used according to the owners manual. Sold in 1 quart cans (0.946L.) or 12 quarts per case.

Spectro fork oil Extra Light SAE 15W

741239 1 Quart (.946L.) can

741229 Shop case of 12 Quart (.946L.) cans

Spectro fork oil Type-E Light SAE 20W20, for normal road use

234204 1 Quart (.946L.) can (each)

235204 Shop case of 12 Quart (.946L.) cans

Spectro fork oil Extra Heavy Duty SAE 40W, for normal road & racing use

235195 1 Quart (.946L.) can (each)

235205 Shop case of 12 Quart (.946L.) cans



SPECTRO'S HEAVY DUTY DOT 5 BRAKE FLUID

A superior synthetic brake fluid, which exceeds DOT 5 specifications. It virtually does not absorb water and as a result it prohibits brake system corrosion. Many brake fluids deteriorate over the years due to water absorption and chemical degradation. Spectro Heavy Duty DOT 5 brake fluid does not, it retains it's high boiling point over the years since it is non-hygroscopic, chemically stable and is essentially inert to system components.

236199 DOT 5 brake fluid (bottle of 0.355 Liter)

235199 DOT 5 brake fluid (case of 12 bottles)



GOLDEN SPECTRO SUPREME DOT 4 BRAKE FLUID

Golden Spectro Supreme Dot 4 is a synthetic high-temperature brake fluid surpassing all other leading brands with its much higher wet boiling point. A Superior Synthetic High Temperature Brake Fluid.

- Surpasses the new DOT 5.1 specifications
- Designed for modern motorcycle braking systems and the most demanding riding conditions
- It can be mixed with all brake fluids DOT 3 and DOT 4
- Will last up to 3 years in high performance conditions

Golden Spectro DOT 4 fluid will work in all disc brake systems designed for use with DOT 3/4 fluids. Highly recommended for use in ABS systems. Golden Spectro Supreme DOT 4 is a glycol-ether synthetic ester brake fluid that offers the same high-performance as silicone DOT 5 fluids without the air absorbing tendency and at a much reduced price.

741347 12 oz. bottle (355 cc)

741346 12pcs. 12 oz. bottles in a carton

**SPECTRO ASSEMBLY LUBRICANT**

Spectro assembly lubricant is recommended for initial scuff and wears protection in re-assembly and repair of engines. This is a heavy lubricant fortified with anti-scuff polymers. Spectro assembly lubricant when, applied to rings, cam lobes, gears and bearings, coats and plates completely and assuring total starting protection. It is compatible with all petroleum-based products. It also exhibits anti-rust properties for prolonged storage of engine or transmission parts.

741348 Spectro assembly lubricant, bottle of 4 oz

741335 Shop pack of 12 bottles

**SPECTRO HAND PUMP AND SPIGOT TAP FOR OIL DRUMS**

For "no spill" oil pumping or tapping from the 60L. Spectro drums. The hand pump can be used with the drum staying upright and the spigot tap must be used with the drum laying down.

235218 Hand pump (dealer use)

235219 Spigot tap (dealer use)

**SPECTRO DISPLAY RACK**

Order a shop supply of 12 cases of oil and get this Spectro display rack for free. The display rack holds 96 quarts and features a great looking header, showing the Spectro logo. A great promotional item for every shop. If you want this display rack for free just put on your order form "Free display rack" along with any selection of 12 cases of oil, and we will get it out to you today.

Note: Only 1 rack per shop and offer is valid as long as racks are in stock. Once sold out, we can no longer offer it. So, order quickly to be sure to receive this rack!

999978 Spectro Display Rack

**SPECTRO FILTER OIL FOR FOAM FILTERS**

Designed by racers for racers that know the difficulties of a quick and easy foam filter maintenance program, this pour-on fluid is thick enough to stay put and not drain to the bottom of the air box; yet it is also sticky enough to grab onto even the finest dust. It can do this and still provide the highest air flow possible, even as it resists the passage of water. Spectro Foam Filter Fluid may be used on all OEM and aftermarket foam filters. Do NOT use on gauze, fabric or paper filters.

745070 1 Liter bottle

**LIQUI MOLY MINERAL MOTORCYCLE OIL**

4-Stroke High-Tech Engine Oil. Provides reliable lubrication even at high temperatures. Reduces oil consumption. High shear and ageing stability. Developed for air and water-cooled 4-stroke engines exposed to normal to tough operating conditions.

754600 Liqui Moly 20W-50, 1 liter bottle

754601 Liqui Moly 20W-50, 4 liter bottle



754602 Liqui Moly SAE 50, 1 liter bottle

754603 Liqui Moly SAE 50, 4 liter bottle

**LIQUI MOLY SYNTHETIC FORK OIL**

Full synthetic suspension oil for forks and shock absorbers. Reduces shear losses and provides sure handling performance even after long use. Prevents foam formation and wear protection provide long service life. Please check OEM references for correct oil viscosity.

754609 Light 5W, 1 liter bottle

754610 Light/medium 7.5W, 1 liter bottle

754611 Medium 10W, 1 liter bottle

754612 Heavy 15W, 500ml bottle

**LIQUI MOLY FULL SYNTHETIC 20W-50**

Fully synthetic motor oil tailored for use in air and water-cooled four-stroke motorbike engines, especially suitable for Harley-Davidson. Selected base oils and high-quality additive components ensure optimal lubrication, outstanding engine cleanliness and excellent friction in all operating conditions. Exceptionally well-suited for use with or without a wet clutch.

754604 Liqui Moly 20W-50 Full Synthetic, 1 liter bottle

754605 Liqui Moly 20W-50 Full Synthetic, 4 liter bottle

**LIQUI MOLY PRIMARY AND TRANSMISSION OIL**

High-performance high-pressure oils. Facilitates smooth and precise shifting even under extreme conditions and complies with performance class API GL4 or GL5. Has excellent wear protection properties and ideal viscosity-temperature behavior. Also available is the HD150 primary oil, specially blended for use with chain-driven closed primaries and clutches on 1984-2010 Harley-Davidsons.

754606 Full Synthetic 75W-140 GL5 transmission oil, 500ml bottle

754608 Mineral 80W-90 GL4 transmission oil, 1 liter bottle

754607 Full Synthetic HD150 primary oil, 1 liter bottle

01 HELMETS, LUGGAGE, AUDIO & MORE
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NEW



LIQUI MOLY

LIQUI MOLY HAND CLEANING PASTE
Liqui Moly hand cleaning paste cleans down to the pores and leaves a pleasant feel to the skin. Thoroughly rub the paste into dry or damp hands until the dirt has been released from the skin. Next, add a little water and wash thoroughly. Thoroughly rinse the hands with plenty of water and dry them as usual.

754636 Liqui Moly hand cleaning paste, 500ml plastic can

NEW



LIQUI MOLY

LIQUI MOLY FILTER OIL FOR FOAM AIR FILTERS

Oil specifically designed for treating foam air filters. Reliably traps dirt and dust even under the most extreme conditions to protect from engine damage. Guarantees optimal air flow for maximum performance.

754616 Liqui Moly foam air filter oil, 500ml

NEW



LIQUI MOLY

LIQUI MOLY BRAKE FLUID

DOT 4 brake fluid, can be used with all conventional brake fluid bleeding devices. Mixable and compatible with high-quality synthetic brake fluids. The optimal period of use for this brake fluid is, however only ensured when it is used alone. It is recommended that the brake fluid be changed in accordance with the specifications from the vehicle manufacturer. SL6 is ideally suited for use in motor vehicle hydraulic brake and clutch systems for which a synthetic brake fluid is prescribed, such as ABS braking systems.

754617 DOT4 brake fluid, 500ml

754618 SL6 DOT4 brake & clutch fluid, 500ml

NEW



TEROSON

TEROSON WX 159 XP HEAVY CUT POLISH

A white, highly effective, liquid polishing compound. It eliminates grit 1200 sanding marks and signs of wear and tear, guaranteeing an impeccable and brilliant surface. Does not burn during high intensity polishing. Its balanced composition of ingredients allow for low dust contamination and a clean work place. Suitable for all original and repair coatings.

748037 Teroson WX 159 XP polish, 1 kilogram

NEW



LIQUI MOLY

LIQUI MOLY FOAM AIR FILTER CLEANER

Specially formulated, biodegradable water-mixible concentrate for the cleaning of foam air filter elements. Offers outstanding cleaning properties, has high capacity and is economical to use. Gently detaches dust, oil and grease without damaging the foam pores. Specially blended for use with foam air filters as used on many OEM and aftermarket filter kits. Removes dust, oil and grease stains by submerging the filter in a solution of cleaner and water and kneading the filter out. Use 1 part cleaner to 5-10 parts water, depending on level of contamination. Allow filter to dry after cleaning before treating it with air filter oil.

Note: Use disposable gloves and avoid contact with eyes.

754615 Liqui Moly Foam air filter cleaner, 1 liter bottle

NEW



TEROSON
VARIAC BRAKE CLEANER

A transparent, organic solvent brake and clutch cleaner. The product is free of chlorinated hydrocarbons and is available in spray cans, using carbon dioxide as a propellant. It can remove grease and oil from all automotive parts, as well as adhesive and sealant residue. Also removes grease hardened by hinges and joints.

748043 Variac brake cleaner, 500ml spray can

NEW



TEROSON

TEROSON WX 178 HP POLISH

A grey, versatile finishing liquid compound for all types of original and repair paints. It eliminates polishing marks as well as grit 3000 sanding marks and guarantees a perfect, hologram-free mirror finish. Its optimized solid content and binder ratio allow for low dust contamination and a clean work place. It is suitable for all original and repair coatings.

748036 Teroson WX 178 polish, 1 liter bottle

NEW



TEROSON

TEROSON WX 189 CLEANER & POLISH

A silicone-free, highly effective protective polishing and sealing compound for original and repair paints with a high gloss value and water repellency. It is a high-performance swirl mark remover that ensures perfect finish and protection and provides a long lasting sealed surface with perfect water repellency. It is 30% faster than conventional polishing compounds as it combines a sanding step and a polishing step.

748035 Teroson WX 189 cleaner & polish, 1 liter bottle



NEVR-DULL

NEVR-DULL WADDING POLISH

Nevr-Dull is chemically impregnated cotton wadding manufactured under a special process. Cleans and polishes by the combination of special ingredients. All you do is tear off a small wad of Nevrr-Dull and rub slowly over the surface to be cleaned, then take a clean dry cloth and gently buff. Your metal surfaces will shine like never before. Removes rust and tar while leaving a high luster and protective film on chrome, aluminum, brass and other surfaces.

232010 Nevrr-Dull Wadding Polish

NEW

TEROSON

TEROSON CLEANER, POLISH & WAXING AIDS

Professional aids to apply cleaner, polish or wax give the very best results. Use a hand puck or backing disc with a medium or soft polishing pad and a micro fiber cloth for the final touch. It is strongly recommended to use polishing pads with one single cleaner, polish or wax.



748041 Hand puck, 130mm diameter, 2-pack



748042 Backing disc for rotation or excenter polishing machine, 76mm diameter



748038 Medium polishing pad, 76mm diameter, 8-pack



748039 Soft polishing pad, 76mm diameter, 8-pack



748040 Micro fiber cloth, 40x40cm



PROFI PRODUCTS
Germany

PDL FOG-UP QUICK CLEANER AND POLISH

A must-have to add the finishing touch to a showroom bike or just before delivery to your customers, the Profi Products Fog-Up Polish adds a thin film to remove fingerprints and light contaminations, so great after a workshop service! Simply spray on to any surface and wipe off for a dark show quality shin. Works great on paint, acrylic, plastic, metal and chrome. Comes in a 250ml pump spray bottle, sold each.

744381 Quick cleaner and polish



NEW

TEROSON TEROSON WX 182 SPRAY WAX

A universal high-gloss wax that leaves a protective lay out on the paint with a brilliant finish. Cleans left over polishing compound and residues.

748034 Spray wax, 500ml bottle with hand operated spray head



ACCEL

PROFESSIONAL ENGINE CLEANING BRUSH KIT

It is the same for cleaning equipment as it is for tools: the proper tool is half the job. This kit contains 9 different brushes with stiff nylon bristles in diameters ranging from 1/4" thru 5". The perfect tool to clean oil passages and beating bores. Bristles will not melt when used with solvents. All brushes have a loop on the end of the handle for easy hanging and storage.

731542 Brush Kit

NEW



LIQUI MOLY

LIQUI MOLY MOTORCYCLE CLEANER

Universal cleaner & degreaser, spray thinly and evenly onto the vehicle to be cleaned when cool. Use a brush to further clean places which are heavily contaminated. Allow it to act for 5-15 minutes depending on contamination and thoroughly clean off with a hard stream of water. When dry, wipe with a soft cloth. For parts which have been repainted, check paint for spotting or lifting somewhere out of sight.

Note: More than 80% biodegradable (according to the German detergent and cleaning agent law). Not for use on magnesium parts.

754613 Liqui Moly motorcycle cleaner, 1 liter spray bottle



Luster Care
POLISHING PRODUCTS EUROPE

LUSTER LACE CHROME POLISH

A non-abrasive polish and super-protectant specially formulated to bring a brilliant shine to chrome and other fine metal surfaces, also works on paint and clear lacquer. Bottle contains 8 fl. oz. (216 ml).

701224 Luster Lace Chrome Polish



Luster Care
POLISHING PRODUCTS EUROPE

LUSTER REVITALIZER

Replenishes the liquid ingredients in Luster Lace. Just a few drops of Revitalizer can extend the life and polishing qualities of Luster Lace.

701215 Revitalizer. 2 oz. bottle



Luster Care
POLISHING PRODUCTS EUROPE

LUSTER LACE METAL POLISH

Luster Lace is a polishing system like no other. It's so unique it's patented. Developed specifically for round and tubular objects, Luster Lace polishes all the way around in one motion, so you don't miss a spot. Polish impregnated Luster Lace is fast and easy to use with polishing power that can't be beat. No other method cleans and polishes with the speed or efficiency of Luster Lace Metal Polish.

701211 Luster Lace Wide, 1 1/4", 6 pieces and 14ft. total

NEW



LIQUI MOLY

LIQUI MOLY TIRE FITTING PASTE

For fast and easy mounting and removal of tires. Ensures very good slide action. Chemically neutral to rubber and metal. Prevents creep of the tire on rim. Improves the leakproofness of tubeless tires. Easy on the skin and nontoxic.

754632 Liqui Moly tire fitting paste, 5kg bucket

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NEW



LIQUI MOLY

LIQUI MOLY UNIVERSAL LITHIUM BEARING GREASE

Lithium grease for use in slide and roller bearing lubrication under normal loads and at normal to high temperatures. Has a good water resistance, making it suitable as a universal grease for motorcycles and general machine lubrication. Good long-term lubrication is ensured by the carefully selected raw materials and additives. Service temperature: -25°C to +120°C., intermittent up to +130°C.

754630 Liqui Moly lithium grease, 400g. plastic cartridge

MSD

MSD SPARK GUARD GREASE

This dielectric grease protects electrical systems from leaks, moist, and EMI. Also makes for smoother placement of plug boots and clamps. Spark guard will not harden or dry up and retains its insulating capabilities indefinitely.

711821 MSD spark guard grease

NEW



LIQUI MOLY

LIQUI MOLY SCREW GRIP PASTE

Screw Grip is a paste-like fluid which drastically increases the friction between the tool and the screw or nut. Screwed connections which are relatively inaccessible can therefore be protected from damage and screws which have already been damaged can be unscrewed easily. Works on Allen, hexagon, Phillips, Pozidriv, Torx and other heads.

754633 Liqui Moly Screw Grip paste, 20g tube

LIQUI MOLY

LIQUI MOLY ANTI-SQUEAK BRAKE PASTE

Synthetic brake pad grease to be applied on the back of the brake pads where they seat on the pistons. Eliminates squeaking noises when braking.. Road salt and water resistant so also eliminates seizing of brake systems due to rust. Operating temperature range from -40°C up to +1200°C. Do not under any circumstance allow Brake Anti-Squeak Paste to get onto the friction surface of the brake lining or the brake disc.

754634 Liqui Moly Anti-Squeak brake paste, 100g plastic tube



LOCTITE

LOCTITE COPPER ANTI-SEIZE

Loctite LB 8065 is a copper colored, naphthenic oil, anti-seize in the form of a lubricant stick. All mated parts, studs, bolts, flanges and gaskets, remove more easily and in cleaner and better condition. This product can be used on copper, brass, cast iron, steel, all alloys including stainless steel, all plastics and

all non-metallic gasketing materials. Typically used in applications up to +982°C. Provides a shield against high temperature seizing and galling.

748027 Loctite LB 8065 anti-seize lubricant stick, 20 Gram

NEW



LIQUI MOLY

LIQUI MOLY COPPER PASTE

Release agent and lubricant made from ultra-fine copper particles for use with machine elements subject to high thermal stress. Makes dismantling easy after long running times. Copper paste is used at extreme temperatures for bolted connections and interfaces exposed to high temperatures, pressures, and corrosive elements like, for example, caliper bolts, exhaust bolts and nuts and spark plug threads Application range -35°C to +1100°C.

754635 Liqui Moly copper paste, 100gr. plastic tube

NEW



LOCTITE

LOCTITE ALUMINUM ANTI-SEIZE

Loctite LB 8150 is an anti-seize lubricant to protect threaded connections exposed to high temperatures up to 900°C to prevent seizing and corrosion. Typically used in applications with an operating range of -30°C to +900°C. It is a silver colored aluminum and petroleum-based paste fortified with graphite and extreme pressure (EP) additives. It is inert and won't evaporate or harden in extreme heat or cold.

748028 Loctite LB 8150 Aluminum anti-seize, 207ml tube with brush in cap



LOCTITE

LOCTITE EA 3463 METAL FILLED COMPOUND

A steel filled Epoxy compound in a kneadable stick. Adheres to damp surfaces and cures even under water. Sets in 10 minutes. Chemical and corrosion resistant. Can be drilled, filed and painted. Use as an emergency sealing of leaks in pipes and tanks, smoothes welds and repairs small cracks in castings. Has a shear strength (GBMS) of over 870 psi (6 N/mm²) and a compressive strength of 82.7 N/mm² (12,000 psi). Service temperature range: -30°C to +120°C (-20°F to +250°F).

748012 Loctite MetalMagic, stick of 50 gram (1.75 oz.)

NEW



LIQUI MOLY

LIQUI MOLY LIQUID METAL

Fast-curing high strength 2-component epoxy adhesive. For filling defects or stuffing flaws in a variety of materials such as aluminum, copper, steel, brass, concrete, FRP/SMC, wood, glass, plastic, ceramic, painted metal, graphite, polyurethane, galvanized metals, hard plastic or for bonding different materials. After curing, repaired areas can be machined, ground or painted over. Full adhesive strength after approx. 24 hours.

754619 Liqui Moly Liquid Metal, 25ml

NEW



LOCTITE

LOCTITE PARTS CLEANER

A general purpose product for cleaning and degreasing any kind of surface or machinery component before proceeding with a repair or assembly job. It is a solvent-based cleaner that leaves no residue. Removes most greases, oils, lubrication fluids and metal cuttings.

748023 Loctite SF 7063 Super Clean, 150ml spray can

NEW



LOCTITE

LOCTITE LAPPING COMPOUND

Course paste for pre-grinding and fine paste for finishing, both based on water soluble synthetic oil and corundum abrasives.

748021 Loctite LB 2200 Coarse & fine lapping paste, 2x 85gr.

748022 Loctite LB 2200 Medium to fine lapping paste, 85gr. with valve lapping stick

754620 Liqui Moly black silicone sealing compound, 80ml

754621 Liqui Moly red silicone sealing compound, 80ml



LOCTITE

LOCTITE SI 5910 PREMIUM SILICONE BLACK

The Loctite SI 5910 Premium Silicone Black Gasket Maker/Sealer is sensor safe, forms a flexible silicon seal and is suitable for use on valve covers, oil pans, intake manifold end seals, timing covers, transmission pans, etc.

Features & Benefits:

- For flanges with permanent oil contact
- Can be used for metal, plastic and painted parts
- Low odour
- Non-corrosive
- Meets performance specs of OE silicone gaskets
- Temperature resistance: -55°C to 250°C (-65°F to 480°F) intermittent

748013 Loctite Silicone Black, 80 ml.

NEW



LOCTITE

LOCTITE GASKET IN A PEN

Loctite 518 has great leak-fighting properties and comes in a handy roll-on applicator that makes applying sealant easier than ever before. The material forms a flexible, high-strength, chemical resistant seal that fills all voids and will not tear or decay. Can be used on rigid iron, aluminum and steel flanged mating surfaces.

748020 Loctite 518 gasket pen with roller, 25ml

NEW



LOCTITE

LOCTITE 3090 ULTRA FAST GLUE

Loctite 3090 is a 2-component, fast curing, gap filling adhesive with excellent bonding characteristics, making it suitable for plastics, rubbers and metals, but not for glass, PE, PP and PTFE. It is designed for the assembly of parts with varying or undefined bond gaps up to 5mm, or for applications where the complete cure of excess adhesive is a must. The gel consistency prevents adhesive flow even on vertical surfaces. Also suited to bonding porous materials such as wood, paper, leather and fabric. Temperature resistance from -40 to +80°C. Dependent on the gap size it cures in 1-5 minutes, final strength after 24 hours. Comes in dual syringe with 4 mixer tubes.

748029 Loctite 3090 Ultra Fast glue, 11 gr.

LOCTITE

LOCTITE 401 SUPER GLUE

Loctite Super Glue works on more surfaces than other instant adhesives. Special formula allows for faster bond on more surfaces. Comes ready to use in a 3 gram tube.

748018 Loctite Super Glue

NEW



LIQUI MOLY

LIQUI MOLY INSTANT GLUE

Single-component, solvent-free cyanoacrylate adhesive. Bonds various materials in seconds, cures extremely rapidly and has very high bond strength and heat resistance.

754622 Liqui Moly instant glue, 10g squeeze bottle

NEW



LIQUI MOLY

LIQUI MOLY SILICONE SEALING COMPOUND

Heat-resistant, single-component sealant that vulcanizes under the influence of air humidity and cures to form a permanently elastic mass. Operating temperature range from -65°C up to +260°C. Resistant to chemicals and oils and forms a permanently elastic mass. Use to seal engine cases, valve covers, water pumps, transmissions, oil pumps, lights, etc.

LOCTITE

LOCTITE QUICK GASKET

Loctite Quick Gasket cures to a permanently flexible, reliable and long lasting gasket. The unique even-flow nozzle is very easy to use and allows dispensing with extra accuracy. The product can also replace cut gaskets.

- Continuous service temperature up to 200°C (390°F), intermittent up to 260°C (500°F).
- Withstands all shop fluids like oil, coolant and ATF
- No odor
- Instant sealing performance: up to 0.25mm at 0.35 bar
- Not for use on head gaskets or on parts in continuous contact with fuel

748019 Loctite Quick Gasket, 100ml aerosol can

NEW



LOCTITE

LOCTITE HY 4070 ULTRA FAST GLUE

Loctite HY 4070 is a transparent, cloudy colorless to pale yellow cyanoacrylate/acrylic hybrid gel adhesive that provides a fast fixture at room temperature. It provides a fast fixture at room temperature in bond gaps up to 0.2 in (5mm). It suits most plastics, rubbers and metals, but does not work on glass, PE, PP and PTFE. It is used where complete cure of excess adhesive as well as temperature and moisture resistance, is required. Dependent on gap size and material it cures in 1-5 minutes, final strength after 24-48 hours. Temperature resistance from -40 to +100°C. Comes in dual syringe with 4 mixer tubes.

748030 Loctite HY 4070 ultra fast glue, 11gr.

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TEROSON

TEROSON PLASTIC REPAIR KIT

A handy set with all Teroson products that are necessary for basic repair tasks on paintable plastic parts. The products are particularly used for minor damage such as scratches or holes in bumpers, spoilers, luggage, broken or missing lugs, etc.

The following products are included in the kit:

- 2 bags 2 x 25 ml Teroson PU 9225
- 1 bag 2 x 25 ml Teroson PU 9225 SF
- 6 static mixers
- 150 ml spray can of Teroson 150
- 1 liter can of Teroson VR 10
- 1 Teroson ET plastic glass fiber matt
- 1 TeroMix hand gun
- 1 plastic spatula
- Instruction leaflet

748031 Teroson plastic repair kit

748033 Replacement mixer tubes, 12-pack

LOCTITE

LOCTITE SF 7200 GASKET REMOVER

This fast-curing formula, sensor-safe gasket remover quickly removes even baked-on gaskets and sealants. Removes paper gaskets in 10-12, anearobe in 15 and silicone in 30 minutes. Prevents damage to flanges and reduces scraping and sanding. It also prepares metal parts for new gaskets and assembly. A "must-have" for every professional and great help for do-it-yourself jobs. Comes in a 400 ml. spray can.

Note: also removes paint and laquers.

748016 Loctite gasket remover



LOCTITE

LOCTITE SI 5699 ULTRA GREY RTV SILICONE GASKET MAKER

Designed for High-Torque applications. Sensor safe, low odor, non corrosive. Has outstanding oil resistance and is guaranteed not to leak. Works in the temperature range of -75°F to 625°F (-60°C to 330°C), resists auto and shop fluids and is vibration proof.

748017 80 ml. Tube



TEROSON

TEROSON PU 9225 UF ME PLASTIC REPAIR

A 2-component ultra fast polyurethane based repair adhesive. It is typically used for the rebuilding of paintable plastic body parts such as broken or missing lugs. Processing time only one (1) minute and can be sanded or filed after three minutes. Excellent for Smart Repair applications. Easy application with the included hand gun with the static mixer. Mixers are for single use and also separately available.

748032 Teroson PU 9225 UF ME plastic repair, 50ml



LOCTITE

LOCTITE 221 THREADLOCKER FOR ALUMINUM

Low strength threadlocker designed for use with fasteners under 1/4" (6mm) in aluminum, that require occasional adjustment. Removable with normal hand tools.

748002 50 ml. Bottle

748001 10 ml. Bottle



LOCTITE

LOCTITE SI 5920 ULTRA COPPER HIGH TEMP SILICONE RTV GASKET

Loctite SI 5920 Ultra Copper high temperature silicone RTV gasket is sensor-safe, low odor and non corrosive. It is the most advanced high temperature silicone gasket available and gives superior adhesion, is outstanding oil resistant and has excellent torque retention. Temperature range from -75°F to 700°F (-60° to 370° Celsius), resists all types of automotive and shop fluids and vibration. Recommended for use on exhaust manifolds and connectors, valve covers, etc. Comes in a 80 ml. tube. Sold each.

748015 High temperature silicone

NEW



LOCTITE

LOCTITE THREADLOCKER STICK

Formulated to lock and seal threaded metal fasteners. It is a wax-like semi-solid that will not drip like liquid formulas. Conveniently packaged in a self-feeding stick applicator.

748025 Blue Loctite 248 medium strength thread locker, 9 gram stick (OEM 11100003)

748026 Red Loctite 268 high strength thread locker, 19 gram stick (OEM 11100004)

Replaces set screws and snap rings. Locks against vibration loosening. Requires extra effort for removal (OEM 99671-87T).
748007 5 ml. Bottle
748008 24 ml. Bottle



LOCTITE

LOCTITE 243 ALL PURPOSE REMOVABLE MOUNT

Medium strength thread locking fluid that locks all nuts, bolts, seals, screws and fittings 1/4" (6mm) or larger. Will seal against air leaks, oil leaks, fuel and hydraulic leaks. Can be easily dismantled with regular tools (OEM 99642-87T).

748003 5 ml. Bottle

748004 10 ml. Bottle

748005 24 ml. Bottle



LOCTITE

LOCTITE 262 PERMANENT THREADLOCKER

A high strength thread locker that can be applied to 3/8" to 1" fasteners. Designed for securing parts that must withstand heavy shocks and vibration. Heat and hand tools are required for disassembly.

748006 50 ml. Bottle



NEW

LIQUI MOLY

LIQUI MOLY BUSHING AND BEARING FIX

High-strength, low-viscosity, oil-resistant dimethylacrylate ester-based adhesive which does not contain solvents and cures in the absence of oxygen. Use to install bearings, bushings, shafts and hubs. Can also be used as a binder to fix



LOCTITE

LOCTITE 271 STUD 'N' BEARING MOUNT

High strength for Heavy Duty applications. For permanently locking studs and press fits. Restores worn bearing houses.

rubber-on-metal and metal-on-metal surfaces. Operating temperatures range -60°C up to +150°C.

754628 Liqui Moly Bushing and Bearing Fix, 50g squeeze bottle



LIQUI MOLY

NEW

LIQUI MOLY THREAD LOCKER

Thread locker compound. Use Fine Mechanics especially on UNF threads up to 7/16", medium strength for threads that require occasional disassembly, or high strength for a more permanent solution. For UNF fine threads we also offer a specific fine mechanics compound. Operating temperature range -60°C up to +150°C.

For Fine Mechanics thread locker

754623 Liqui Moly 3812 thread locker, 10g squeeze bottle

For Medium strength semi-permanent fixture

754624 Liqui Moly 3801 thread locker, 10g squeeze bottle

754625 Liqui Moly 3802 thread locker, 50g squeeze bottle

For High strength permanent fixture

754627 Liqui Moly 3803 thread locker, 10g squeeze bottle

754626 Liqui Moly 3804 thread locker, 50g squeeze bottle



LOCTITE

LOCTITE 290 PENETRATING THREADLOCKER

A high strength, low viscosity liquid that wicks along the threads of pre-assembled fasteners to secure them in place. For fasteners ranging from #2 to 1/2" (2.2mm to 12mm) in size. Removable with heat and hand tools.

748000 50 ml. Bottle



LOCTITE

LOCTITE EA 3450 METAL REPAIR

Loctite EA 3450 is a grey, fast cure 2-component epoxy for structural bonding, ideal for metal repair. Has a working time of 4 to 6 minutes and a fixture time of 15 minutes. Service temperature range is from -55°C to over 100°C.

748011 Loctite EA 3450 metal repair, 25 ml



LOCTITE

LOCTITE 542 HYDRAULIC SEALANT

Medium strength; Designed for sealing and locking hydraulic and pneumatic systems. Contain no particles that could contaminate fluids or foul valves. For use with hydraulic brake line fittings and nipples, as well as transmission, and pneumatic fittings. Has controlled locking strength.

748009 10 ml. Bottle



NEW

LIQUI MOLY

LIQUI MOLY METAL PUTTY

Two component epoxy putty used for sealing cracked casings and restoring damaged screw threads in aluminum, steel, cast iron and even magnesium. Salt and acid-resistant. Can be machined, ground and painted after 20 minutes.

754629 Liqui Moly metal putty, 56g tube



LOCTITE

LOCTITE LB 8104 DIELECTRIC GREASE

Loctite 8104 LB provides insulation protection with high dielectric strength to prevent voltage flashover. Also suitable for lubricating plastic and elastomeric components and great to assist fitting O-rings. Can be used from -40 to +200°C.

748044 Loctite 8104 LB dielectric grease, tube 75ml



NEW

LIQUI MOLY

LIQUI MOLY BATTERY TERMINAL GREASE

Protective grease for use on battery poles and electrical contacts. Protects against oxidation and corrosion to ensure safe starting, clear lighting and extended battery life. Avoids connector damage from battery acid, loss of voltage and reduces contact resistances. Operating temperature range is -30°C up to +100°C.

754631 Liqui Moly battery terminal grease, 50g plastic tube



LOCTITE

LOCTITE 640 BEARING FIT AND SLEEVE RETAINER

High strength, anaerobic adhesive. Secures any slip fit assemblies. Adds up to 3000 PSI holding power. Secures bearings, bushings valve guides, valve seats, liners, etc. and restores fit to worn or out-of-tolerance assemblies. Requires special tools and heat for removal.

748010 50 ml. Bottle



LOCTITE

LOCTITE INSULATING & SEALING WRAP

A non-sticky, self fusing multipurpose wrap that withstands extreme conditions. Can be used from -65°F to + 500°F (-54°C to + 260°C). Tensile strength up to 700 psi. The wrap is UV, saltwater, fuel and acid resistant. Typical applications are jumper cable grip & insulating, emergency hose repair, exhaust wrap, tool handles and so on.

748024 Loctite SI 5075 insulating & sealing wrap, roll 1"x14" (2.5cm x 427cm)

NEW



LIQUI MOLY

LIQUI MOLY MOTORCYCLE LEATHER CARE

High-grade care emulsion for treating all smooth leather surfaces. Refreshes the color, protects and maintains the leather. The treated surfaces are given a satin matt gloss with impregnating effect. For leather surfaces made of smooth leather such as seats, saddle bags, leather riding suits, etc.

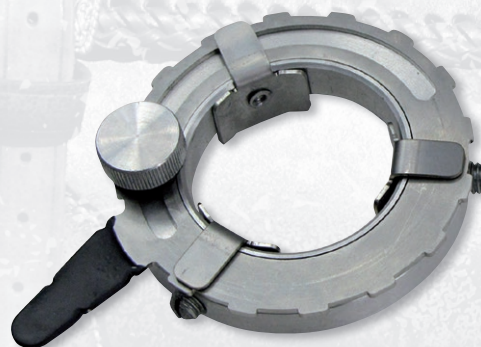
754614 Liqui Moly motorcycle leather care, 250ml

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**DIAG-4-BIKE SERIAL DIAGNOSTIC & FLASH TUNING**

The Diag-4-Bike is a professional diagnostic tool for Harley-Davidson workshops and tuning centers. It is also available as a diagnostic tool for Indian and Victory. All you need is one of the two interfaces, the software package for Harley or for Indian and Victory, and a PC or laptop with USB connection and running Windows 7, 8.1 or 10. To start with Diag-4-Bike you have to order the software kit ZPN732056 with either the ZPN732050 standard USB interface or the ZPN732051 combined USB & Bluetooth interface. The Diag-4-Bike Software comes with 1 ZPN732045 dongle to tune your first bike.

**732050** Diag4Bike standard USB interface**732051** Diag4Bike Bluetooth USB interface**732049** Optional CAN disarming cable for PIN read/FOB assignment on armed bike**732044** Optional Air/Fuel Ratio Monitor**732056** Diag4Bike software for Harley-Davidson with instruction book and J-1850 and CAN-bus connection cables**732043** Diag4Bike software for Indian and Victory, instruction book and connection cable**732046** Optional Throttle Control Limiter**732057** 2-Channel voltmeter adapter**Replacement parts****735438** J-1850 Databus to interface adapter cable (4-pin)**735437** CAN-Bus to interface adapter cable (6-pin)**735442** Replacement Wideband O2 sensor

**DIAG-4-BIKE TUNING DONGLE**

Diag-4-Bike software allows to flash-tune a motorcycle with one of these Tuning Dongles. The dongle unlocks the ECM of one motorcycle, stores the original calibration and allows to flash a new calibration to the ECM.

732045 Advanced tuning dongle, each

732038 Advanced tuning dongle, set of 3+1 Free

Diag-4-Bike Tuning Dongles

Option	Advanced/ Professional
Flash tune files (mappings) from the built-in database *1	Yes
Create your own tune files (mappings) using a dyno	Yes
AFR (Air/Fuel Ratio) map adjustment	Yes
VE (Volumetric Efficiency) map adjustment	Yes
Fuel map adjustment	Full control
Ignition map adjustment	Yes
Idle RPM map adjustment	Yes
Acceleration enrichment adjustment	Yes
Rev (RPM) limit adjustment	Yes
Engine displacement adjustment	Yes
Injector size adjustment	Yes
Lambda closed loop adjustment	Yes
Throttle-By-Wire response delay adjustment	Yes
Cranking fuel map adjustment	Yes
Warmup map adjustment	Yes
Idle speed adjustment on Milwaukee Eight models	Yes
Idle Air Control steps warmup map adjustment	Yes
Idle Air Control steps Crank to run map adjustment	Yes
Speed limit adjustment on 2017 and later models	Yes
Blank ECM flash	Yes
Re-flash ECM from an other year or model	Yes

**DIAG-4-TUNE OXYGEN SENSOR TOOL KIT**

A professional kit with a dual exhaust pump and all necessary tools and extensions to make installation of M18 threaded wide band oxygen sensors possible on any motorcycle. Comes with 10 weld-in bungs with plugs, drills, seal rings and anything else to use the Diag-4-Tune option in the Diag-4-Bike software to its full extend. The exhaust pump works on 12 Volt and can therefore also be used for road tests. Professional organiser boxes with extension or replacement parts are also available.

732042 O2 sensor tool kit

Replacement & expansion part kits

ZPN		Qty.
735439	Parts kit #1, contains:	
	Copper sealing ring, 12x18x2mm	20
	Copper sealing ring 6x10x2mm	10
	Screw M12x1.25	2
	Hollow screw M6x22	4
	Hollow screw M12x1.25	2
	Reduction insert, M18x1.5-M12x1.25	2
	Reduction insert, M12x1.25-nut M6	2
ZPN		Qty.
735440	Parts kit #2, contains:	
	Copper sealing ring, 6.5x17x2mm	20
	Copper sealing ring, 18x22x2mm	10
	Copper flanged button head socket screw, M6x16	4
	Rivet nut, M6, stainless	20
	Screw with spigot, M16x12, hexagon, stainless	20
	Thread repair tap M12x1.25	1
	Thread repair tap M18x1.50	1

Individual parts

ZPN		Qty.
735443	Copper flanged button head socket screw, M6x16	1

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DIAG-4-TUNE MINI OXYGEN SENSOR TOOL KIT

This professional tool kit allows you to use Wide Band Oxygen sensors on almost any motorcycle using the smallest adapter bungs possible. Includes drills, 20 pieces of M6 rivet nuts, rivet tool, a pair of Lambda probe adapters, seals, screws and anything else you need, all packed in a professional case and includes a step-by-step manual. Professional organiser boxes with extension or replacement parts are also available.

735435 Diag-4-Bike Mini Oxygen Sensor tool kit

Replacement & expansion part kits

ZPN	Qty.
735439 Parts kit #1, contains:	
Copper sealing ring, 12x18x2mm	20
Copper sealing ring 6x10x2mm	10
Screw M12x1.25	2
Hollow screw M6x22	4
Hollow screw M12x1.25	2
Reduction insert, M18x1.5-M12x1.25	2
Reduction insert, M12x1.25-nut M6	2

ZPN	Qty.
735440 Parts kit #2, contains:	
Copper sealing ring, 6.5x17x2mm	20
Copper sealing ring, 18x22x2mm	10
Copper flanged button head socket screw, M6x16	4
Rivet nut, M6, stainless	20
Screw with spigot, M16x12, hexagon, stainless	20
Thread repair tap M12x1.25	1
Thread repair tap M18x1.50	1

Individual parts

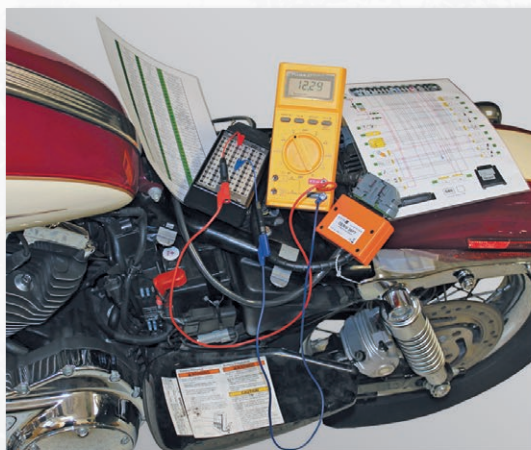
ZPN	
735443	Copper flanged button head socket screw, M6x16



DIAG-4-BIKE HIGH VOLTAGE TESTER

This High Voltage tester is a unique tool to check the performance of ignition coils, plug wires, and the flash-over voltage of the spark plugs. It is very easy to perform, as ignition coils, plug wires and spark plugs remain on the vehicle. Kit includes High Voltage loads to simulate operating conditions in a range from 2.5kV to 32.5 kV (2500 to 32500 Volt) in 2.5kV increments. Additionally the kit includes a module that simulates the spark plug gap using a LED. This allows you to "see" the spark plug ignite, without the risk of fire. Kit comes complete with a purpose built hard shell tool box and comprehensive instructions. A must for every professional workshop and works on both 2- and 4 stroke engines.

735436 Diag-4-Bike High Voltage tester



732055



732053



732047



732054



732058



732048



732059



735441



732041 Universal kit with 73 common adapters

**DIAG-4-BIKE BREAK-OUT BOX FOR PARALLEL DIAGNOSTICS**

This break-out box is a simple to use tool to measure input and output signals from the Electronic Control Module (ECM) and all related sensors and modules of the Electronic Fuel Injection (EFI) model bikes. And this can even be done on a running motorcycle. The break-out box is connected with the separately available T-connector, which is connected in between the ECM and the main connector. Now you have easy access with the probes from your Multi Meter or scope to all connections, allowing to measure input and output signals as well as checking the wiring integrity. The Break-out box comes complete with a practical casing that can also hold extra T-Connectors. The T-connectors are available for Delphi and Magneti Marelli injection systems, Turn Signal Modules (TSM), Turn Signal Security Modules (TSSM) and Hands Free Security Modules (HFSM), as well as for the Fuel Injection and Body Control Module (BCM) on the latest models with Harley-LAN, also known as CAN-Bus systems. T-connectors come with easy to read pin-layout charts. A kit with 73 common connectors for non-destructive diagnostic operations anywhere else in the wiring harness is also available.

732053 Break-out box (complete with casing)

732054 T-connector for 36 pin Delphi Fuel Injection

732055 T-connector for 35 pin Magneti Marelli Fuel Injection

732058 T-connector for 73 pin Delphi Fuel Injection on 2008 to present Touring models

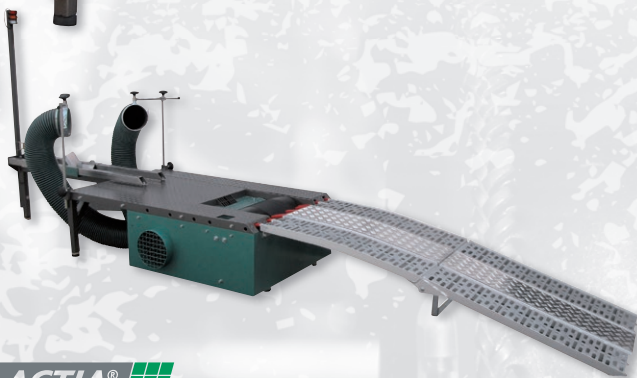
732059 T-connector for 12+4 pin TSM, TSSM and HFSM modules

732047 T-connector for 18+18 pin Delphi Fuel Injection on CAN-Bus equipped models

732048 T-connector for 36+48 pin Body Control Module (BCM) on CAN-Bus equipped models

735441 T-connector for 18+18+18 pin Electronic Control Module (ECM) on 2014 to present Touring & Trike and 2018 to present Softail

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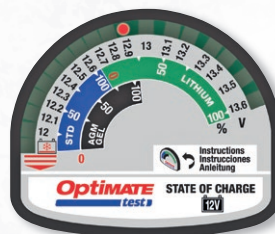


DIAG-4-TUNE/DIAG-4-BIKE SMART POWER BENCH

The Smart Power Bench is the ideal extension for dealers that want to use the diagnostic and/or tuning capabilities of Diag-4-Bike to their full extend, including simulation of a road test. The smart design with a heavy weight and large diameter roller and built-in cooling fan simulates engine load equivalent to a road test, provides data for both power and torque curves, facilitates measurements of Volumetric Efficiency maps for engine tuning and give the opportunity to carry out engine diagnostics whilst under load. The Smart Power Bench does not feature an eddy current or other type of brake. Instead, it uses a drum-driven fan system, giving more resistance when the rear wheel speed goes up. This clever design makes it an affordable investment for any bike shop. Measuring only 2.5 meter long, 48cm high and 1 meter wide it does not require much space in your workshop either. The Smart Power Bench is delivered and installed in your workshop by specialists from Actia CZ, the company that also develops and produces the Diag-4-Bike hard- and software. These people will also demonstrate and instruct your staff how to use it.

Technical details:

Weight: 350Kg
 Roller diameter: 450mm
 Total momentum of inertia: 12 Kg/m²
 Fan power dissipation: up to 50kW at 250KM/H
 Maximum roller velocity: 250KM/H
 PC Interface: RS 232 or USB
732040 Smart Power Bench



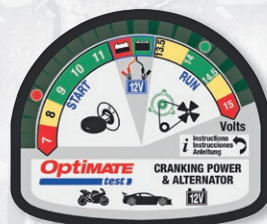
Optimate

OPTIMATE BATTERY AND ALTERNATOR TESTERS

These small and handy testers will help you make a diagnosis of your electrical system in a snap. Comes supplied with battery clips for use on the battery terminals, or use your already existing Optimate quick-connect for easy access. They work with all 12 Volt lead-acid, AGM/ Gel and LiFePO₄ (LFP) Lithium batteries in motorcycles and cars.

Battery state of charge tester

743775 Indicates state of charge in Volts and percentage for all types of batteries



Cranking power & alternator tester

743774 Indicates state of battery charge in Volts, records lowest start voltage and displays this for 20 seconds. Also verifies vehicle system charging voltage is in range for lead-acid batteries and not overcharging LiFePO₄ Lithium batteries



SONIC

SONIC INFRARED THERMOMETER

An infrared thermometer is an essential tool for every technician. This one has a wide measurement range from -22 to +626°Fahrenheit (-30 to +330° Celsius) and allows you to switch from F to C and back. Allows temperature measurements of many applications. Distance-to-spot ratio of 12: 1, allows accurate temperature readings at a distance. Features Auto shut-off to help optimize battery life, but maximum temperature is always shown.

745670 Sonic infrared thermometer



JIMS

JIMS MECHANIC'S STETHOSCOPE

This tool allows you to pinpoint internal engine noise by amplifying vibrations resonating through the metal probe. Simply touch the probe to the engine, and follow the noise to its loudest point.

750337 Mechanic's stethoscope



Daytona Twin Tec

TWIN SCAN DIAGNOSTIC SCAN TOOLS

The Twin Scan scan tool is a low-cost tool that uses the USB port on your laptop or PC for display and comes complete with Windows software.

Features are:

- Reads and clears diagnostic trouble codes from ECU (engine control unit), TSSM (turn signal/security module), speedometer, and tachometer.
- Allows bleeding of ABS brake systems.
- Real time display of engine data on instrument panel type display.
- Built-in data logging. Stores up to 45 minutes of data. Automatically triggers when a trouble code is set. Shows data before and after code is set.
- Includes two analog inputs for air/fuel ratio (AFR), great for tuning of your Daytona Twin Tec Twin Tuner Fuel Injection controller.
- Compact size.
- The TwinScan II is for models with a J-1850 data bus such as 2002-2017 V-Rod, 2001-2010 Fuel Injected Softail, 2003-2006 carbureted Softail, 2003-2013 Sportster, 2001-2011 Fuel Injected Dyna, 2003-2006 carbureted Dyna, 2002-2013 Touring & Trike.
- The TwinScan IV is for models with a CAN-Bus system such as 2011 to present Softail, 2014 to present Sportster, 2014 to present Touring & Trike and 2012-2017 Dyna and includes key FOB and security programming, speedo calibration and engine/body control settings adjusting.

741998 TwinScan II diagnostic scan tool for models with J-1850 data bus

745599 TwinScan IV diagnostic scan tool for models with CAN-Bus system

745499 Complete kit with TwinScan II & IV, WEGO IIID Interface, two wide-band oxygen sensors, two 18 x 1.5mm weld nuts, two 18x1.5mm socket plugs, USB cable and probe kit



JIMS DAMAGE CONTROL ENGINE FAILURE DETECTION SYSTEM

Jims Damage Control engine failure detection system provides an early warning of catastrophic engine failure by detecting ferrous debris within an engine's oiling system. Using state of the art technology, the special drain plug monitors ferrous particles in the motor oil. When the amount of particles in the oil reaches a level that could indicate impending trouble, the LED warning light illuminates in the handlebar clamp, alerting you to investigate the trouble. This early warning can potentially save you a load in repair costs. The system includes a complete wiring harness, drain plug sensor, and your choice of black anodize or chrome handlebar LED & clamp housing for 1" handlebars. The Jims Damage Control kit installs easily with no cutting or splicing on all 1993 to present Touring and 1991 to present Dyna Glide models. Kits for use on 1 1/4" diameter handlebars are available upon Special Order.

753603 Kit with black handlebar switch housing

753604 Kit with chrome handlebar switch housing



FUEL PRESSURE TEST GAUGE TOOL BY JIMS

This gauge is a must have, as all new Big Twin motorcycles have Electronic Fuel Injection. This fuel pressure gauge is easily installed in line with the motorcycle's fuel supply system. Jims supplies you with all the necessary hose connections and fittings to safely perform a fuel pressure test in about the same amount of time it takes to change a set of spark plugs. Full detailed instructions are included.

751053 For use on EFI equipped FLH and FLT series models 2002 to present, FXST models 2001 to present and Dyna's 2004 to present



JIMS REMOTE START BUTTON

This simple remote switch makes it easy to activate the starter and rotate the engine without starting. Comes in handy for tappet adjustments, servicing, and diagnosing starting and electrical issues. Comes with a four foot length, well-insulated lead cable with an alligator clip for starter positive post terminal and motor post negative hookups. Use on all motorcycles with access to starter positive post terminal and motor post negative terminal.

751108 Jims remote start button



FUEL TOOL FUEL PRESSURE GAUGE

Fuel Tools fuel pressure gauge utilizes quick disconnects so that checking fuel pressure is a breeze. No more chasing fuel system problems. Often times the cause of a poor performing motorcycle is a problem with the fuel system. This gauge will allow you to quickly diagnose any issues with your fuel system, such as loss of power, poor fuel economy, hesitation and stalling. Works with all 2001 to present Delphi fuel injected Harleys. Features solid nickel plated brass adapter and release valve, steel housing 100PSI gauge, Viton O-rings, O-ring lubricant and nylon storage pouch. Also available as a Premium Kit that includes a 16" (41cm) flexible fuel hose and swivel gauge with felt covered magnetic attachments, allowing the user to use the gauge under both static and load conditions, no matter what side of the bike you are working on. A must for every professional workshop.

747364 Basic Fuel Tool Fuel Pressure gauge



747367 Premium Fuel Tool Fuel Pressure gauge



JIMS REMOTE FUEL SUPPLY FOR FUEL INJECTED MODELS

Fuel tank removal is often required for service and diagnostics. Additionally, the tank may need to be off while the engine is running, especially for testing purposes. This presents a problem for fuel injection systems that have the fuel pump in the tank. To deal with this. The "plug and play" solution from Jims is this compact remote billet fuel tank that accepts air pressure from an air compressor to supply correctly pressurized fuel to the EFI system. Unlike the gravity feed tanks used with carburetor systems, this EFI tank solution is designed to safely handle the required air pressure. Once pressurized, the air supply can be disconnected, making it completely mobile and can run a motorcycle. The system includes all the necessary OEM fittings to plug directly into the fuel rail, valve and air pressure gauge. The tank can be easily hung from the handlebars or attached to a wall, work bench or rollaway tool chest. Works with all Fuel Injected Harley models, except V-Rod.

753648 Pressurized fuel bottle

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NEW


sonic
equipment

SONIC OVER & UNDER PRESSURE KIT

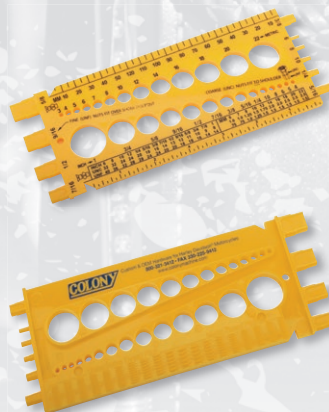
Great tool for universal use as it can build up both vacuum and pressure. Can be used to bleed brakes and test vacuum in fuel regulators. Comes complete with hose and various connectors in a rugged plastic box. Features pressure meter in both bar and psi.

745671 Sonic over & under pressure kit


JIMS
FUEL PUMP RETAINING RING TOOL

This is a must use tool for removal or installation of the fuel pump retaining ring found on Touring models 2008 to present. Use the remover tool in combination with a 1/2" ratchet.

751054 Fuel pump retainer remover tool


Colony
THREAD IDENTIFIER TOOL

A simple device for checking the pitch of threaded items like bolts, nuts, studs and screws. Works for metric and both UNC and UNF inch sizes.

781313 Colony thread gauge tool


A&CEL
SPARK PLUG INDEXER & WASHERS

Designed for 14mm spark plugs, this index tool allows the serious performance engine builder to specify the location of the ground electrode for maximum flame front generation by using different thickness spark plug washers. The tool is knurled for hand held use or can be mounted in a vise on the machined flats. Constructed of billet aluminum with a gold anodized finish and labeled increments for aligning ground electrode. Made in the USA.

231948 Spark Plug Indexer

231950 30 Assorted Washers 14mm


JIMS
JIMS IN-LINE SPARK TESTER

This tool is designed to give you a quick easy visual check of the ignition system. Quickly diagnose an ignition system with this in-line tester. Works on all ignition systems including distributorless ignitions.

751106 Jims In-Line spark tester

751107 Replacement bulb


TIMING VIEW PLUG

Timing tool for use on all Harley's. Insert into the timing hole when stock plug is removed. Makes adjusting the timing an easy job. When the timing is done, replace the stock plug. Also available in an extended version, great for bikes with an offset primary.

133017 Timing view plug
(OEM 96295-65T)

133001 Extended timing view plug



NEW

GREASE GUN

Semi-professional pistol type grease gun with front and top output comes with a refillable 3 Oz. (85 gram) grease cartridge.

754704 Pistol type grease gun kit



NEW

STAINLESS STEEL RULER

Indelibly marked with 50 centimeters on one side and 20 inches on the other side make this ruler a great piece of equipment.

753740 Steel ruler metric and inch, 50cm long

CruzTOOLS
CRUZTOOLS OUTBACK'R H13 & M14 FOLDING TOOL SET

Inspired by outdoorsman-style multi-tools, CruzTools designed this tool specifically for motorcyclists. The Outback'r H13 is a powerhouse of functionality for use on Harley-Davidson motorcycles. Included are three hex keys (5/32", 3/16", and 1/4"), two Torx keys (T25, T27), slotted and Phillips screwdrivers, a socket driver with 3/8", 7/16", and 1/2" sockets, 10mm box and 9/16" open-end wrenches, plus a spoke wrench. The Outback'r for metric bikes features four hex keys, two screwdrivers, a socket driver with 8, 10, and 12mm sockets, 13 and 14mm open-end wrenches, and three spoke wrenches. At only 9 ounces and 3.5 inches, you won't have any trouble finding a spot to carry it. Built to last using heat-treated chrome vanadium and carbon steel.



740301 Outback'r H13 for Harley-Davidson



740303 Outback'r M14 for metric bikes



CruzTOOLS

CRUZTOOLS SPEEDKIT FOR HARLEY

The CruzTools Speedkit tool kit series provides a new standard for capability and compactness. The Speedkit was developed to cover the most common needs of all Harley-Davidson models except the V-Rod, with wrenches, nut drivers, star bits, hex wrenches, 5-in-1 screwdriver, pliers, 2-in-1 spark plug socket, and tire pressure gauge. Everything fits into the durable pouch that measures only 7"x2"x2" (17.5x5x5cm), with the same dependability you have come to expect from CruzTools.

740585 CruzTools Speedkit for Harley-Davidson



CruzTOOLS

CRUZTOOLS LARGE ROADSIDE TOOL KIT

A roll-up style pouch with comprehensive content, including 5 different inch size combination wrenches, an adjustable wrench, locking pliers, hex and Torx keys, 6-in-1 screwdriver, two spark plug sockets to handle stock spark plugs on any model, spark plug gap gauge, insulation tape, cable ties, mechanics wire, tire pressure gauge and a shop towel. Pouch is about 9.5" long and 3" in diameter when rolled up.

236255 Roadside Tool Kit



CruzTOOLS

CRUZTOOLS BASIC ROADSIDE TOOL KIT

A zip-up style pouch with essential tools. Contains 5 different inch-size combination wrenches, hex and Torx keys, 6-in-1 screwdriver, spark plug multi tool, tire pressure gauge, mechanics wire, cable ties and a shop towel. Pouch measures 9"x4"x1 1/2" thick and weighs in at under 2 pounds.

236256 Basic tool kit



CruzTOOLS

CRUZTOOLS ROADTECH TEARDROP TOOL KIT

Almost the same contents as the Great America Tool Kid, but in a pouch that is designed to fit into a "teardrop" style toolbox. A generous supply of tools and roadside items amazingly uncluttered. There is no need to disrupt the clean lines of your Softail with saddlebags just to carry tools. Kit includes a mini ratchet and sockets, combination wrenches, locking pliers, adjustable wrench, 6 in 1 screwdriver, tire gauge, hex and torx keys, and much more. All tools are mechanic grade and like all other tools from CruzTools it comes with a lifetime warranty.

740296 RoadTech Teardrop tool kit



CruzTOOLS

CRUZTOOLS ROADTECH TOOL KIT FOR H-D

We all have been there, caught in the middle of nowhere looking for that one missing tool to get on the road again. CruzTools claims to have kicked this problem into the past. This very complete kit includes combination wrenches, an adjustable wrench, locking pliers, tire gauge, hex and Torx keys, and a screwdriver. You will also find a mini ratchet and socket set, making this the last tool kit you'll ever need to buy.

740297 RoadTech tool kit



CruzTOOLS

CRUZTOOLS METRIC ECONOKIT M1

Your vehicle may have come with a tool kit, but with the only virtue that it was free. The Econokit M1 allows a major upgrade in both quality and content over OEM kits, yet at a very reasonable price. Four combination wrenches, an eight-inch adjustable wrench, locking pliers, and much more permit a wide range of operations. The pouch shares many of the same design principles as from the CruzTools premium kits.

740302 Metric Econokit M1



CruzTOOLS

CRUZTOOLS ROADTECH TOOL KIT FOR INDIAN

The perfect travel tool kit for road-side repairs and adjustments for a wide range of Indian motorcycles. Kit is developed to suit 21st Century Indian Chief, Chieftain, Roadmaster and Scout models but will of course also work with other motorcycles. Kit includes a pair of 27mm axle wrenches, a 14x16mm hex axle adapter, 13mm, 12mm and 10mm combination wrenches, 8" adjustable wrench, mini ratchet with 13mm, 12mm, 10mm and 8mm sockets, 5 torx keys, 5 hex keys, 6-in-1 screwdriver, locking pliers, shock adjusting tool, tire pressure gauge and hardware like cable ties, duct tape and mechanics wire. Tools are organised in a handy roll-up pouch and can be stored in a variety of places.

740295 Roadtech tool kit for Indian



CruzTOOLS

CRUZTOOLS SOCKET BIT SETS

Nowadays motorcycles make widespread use of set and cap screws that require hex (also known as "Allen") and Torx wrenches. Such fasteners are very vulnerable to damage from tools with loose tolerances and/or inferior materials. CruzTools socket bit sets are very comprehensive. These sets are professional tool quality, yet priced to meet any budget. Socket bodies are polished chrome, and bits are made from a heat treated chrome vanadium alloy that exceed ANSI standards. Unlike most socket bit sets found elsewhere, all sockets are 3/8" drive so you only need one ratchet or T-handle for all sizes. A reverse laser imprint provides for easy size identification. To help keep your socket drawer organized, each set ships on a rail with handle. Tools are lifetime guaranteed.

740580 Allen, inch sizes 5/64", 3/32", 9/64", 1/8", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8"

740581 Allen, metric sizes 2.5, 3, 4, 5, 6, 8, 10, 12mm

740582 Torx, T10, T15, T20, T25, T27, T30, T40, T45, T50, T55



"ON THE ROAD" TOOL KIT

This kit was designed as an "on-board" tool kit for all Harley owners. It contains all tools needed for an on the road repair after a break-down. You should not leave home without this kit. The kit contains a 11 piece inch size combination spanner set, 9 piece fold-up hex key set, screwdriver with 5 different slotted and Phillips bits, combination pliers, adjustable wrench and a voltage indicator lamp (6 to 24 volt) all wrapped in a tough easy to take pvc tool roll.

234698 "On-the-road" tool kit

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& LIGHT

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CHASSIS/
FRAME &
SHOCKS

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FENDER
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GAS TANK &
INSTRUMENT

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OIL TANK, FILTER
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Eklind

EKLIND PROFESSIONAL PRECISION SERIES

Eklind Professional Precision Series tools are manufactured with the same high quality standards that has made Eklind Tool Company the leading manufacturer of American made Hex key products. The ergonomic design handle has a big, tapered shape and a rotating end cap to maintain fingertip control. This offers professional comfort and control. End caps are permanently marked for quick and easy identification. Sold in sets.

742820 Set of 10 regular screwdrivers, sizes #000 thru 4.0



742821 Set of 10 Torx screwdrivers, sizes T3 thru T20



742822 Set of 10 hex screwdrivers, sizes .028" thru 5/32"



742823 Set of 8 ball style hex screwdrivers, sizes .050" thru 5/32"



FOLD-UP TORX KEY SETS

Handy, compact fold-up torx key sets, a must to have in your tool roll. Harley uses this type bolt heads for example on the calipers and stators of all late models. Available in 8 key holder.

235598 Torx key set, 8 keys T6-T25



T40 TORX KEY FOR CALIPER BOLTS

This "hard to get" size 40 Torx key fits the caliper bolts on all late Harley models (needed when replacing brake pads).

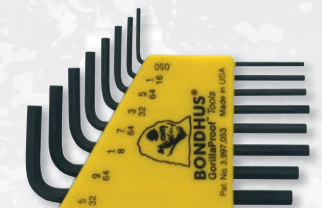
234696 T40 Torx key



INCH SIZES BOX WRENCH SET

This quality, 6 piece, hardened and tempered chrome vanadium steel box wrench set should be present in every Harley owner's toolbox. Sizes are cut very accurately to fit perfectly. Meets DIN 838 and ISO 10104. Set contains spanners from 1/4" up to 7/8" and comes in a strong pouch.

234695 Inch sizes box wrench set



INCH SIZE HEX KEY SETS

Good quality, reasonable priced, hex key sets in inches sizes. Made from heat-treated 8650 Alloy steel with black oxide finished.

234766 Hex key set short, 8 sizes (.050" to 5/32")



INCH SIZE BALL END ALLEN KEY SETS

CV-steel key set for socket head screws, also known as internal hexagons. The ball end allows to use them under an angle of up to 35 degrees. Contains one of each 1/16", 5/64", 3/32", 1/8", 5/32", 3/16", 1/4", 5/16" and 3/8" size keys and a sturdy plastic holster.

754710 Short "Stubby" ball end Allen key set, inch sizes



754719 Long ball end Allen key set, inch sizes



FOLDING HEX & TORX COMBINATION SETS BY CRUZTOOLS

CruzTools are American made quality tools. This folding inch size hex and Torx combination set is designed for use on Harley's and is a real utility tool as it contains 5/21", 3/16", 1/4" and 5/16" hex keys as well as T25, T27 and T40 size Torx keys.

236257 Hex/Torx key set

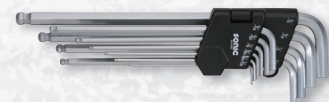
SONIC

SONIC EQUIPMENT ALLEN KEYS AND TORX HEAD DRIVERS

Manufactured from high grade Chrome Vanadium steel, with a tight tolerance and high quality finish to ensure a perfect fit. Keys come in a well organized plastic holder.



745628 10-piece metric ball end extra long allen head key set; 1.27, 1.5, 2, 2.5, 3, 4, 5, 6, 8 & 10mm



745629 10-piece inch size extra long allen head key set; 1/16", 5/64", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4", 5/16" & 3/8"



745630 9-piece extra long Torx head key set; T10, T15, T20, T25, T27, T30, T40, T45 & T50



INCH SIZES COMBINATION SPANNER SET (11 PCS)

Made of chrome vanadium steel to exact dimensions, this toolset will enable you to fasten or loosen almost every bolt and nut on your bike. Sizes are: 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16" and 7/8". Comes in a handy plastic tool roll with eyes, so it can be easily stashed in your red bag or hung up at the wall. A must for every Harley owner.

234690 11-Piece Spanner set

SONIC
equipment**SONIC EQUIPMENT WRENCHES**

All Sonic wrenches are manufactured from high grade Chrome Vanadium steel, with a tight tolerance and high quality finish to ensure a perfect fit. They feature double polished heads, are ergonomically shaped and are extremely sturdy, slim and light, to work in tight spaces.



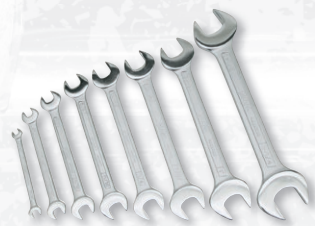
745620 14-piece metric open & ring end combination wrench set in pouch; 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19 & 22mm



745622 26-piece metric open & ring end combination wrench set in pouch; 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30 & 32mm



745621 12-piece inch size open & ring end combination wrench set; 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8" & 15/16"



745623 8-piece inch size double open wrench set, 1/4"x5/16", 3/8"x7/16", 1/2"x9/16", 5/8"x11/16", 11/16"x3/4", 13/16"x7/8", 15/16"x1" & 1 1/8"x1 1/4"

NEW**9-PIECE INCH SIZE COMBINATION WRENCH SET**

Drop forged Chrome Vanadium steel combination spanners for semi-professional use. Wrenches feature a polished open end on one side and same size 12-point box ends on the other side. Includes one of each 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16" and 3/4" wrenches in a two-eyed plastic tool roll.

754706 9-Piece combination wrench set

NEW**14-PIECE INCH SIZE COMBINATION WRENCH SET**

Drop forged Chrome Vanadium steel combination spanners for semi-professional use. Wrenches feature a polished open end on one side and same size 12-point box ends on the other side. Includes one of each 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16" and 1" wrenches in a three-eyed plastic tool roll.

754707 14-Piece combination wrench set

**JIMS ADJUSTABLE TORQUE WRENCH ADAPTER**

Torque any fastener with a combination wrench or Allen wrench. This tool fits 6mm (1/4") thru 19mm (3/4") combination wrenches. Also suits 6mm thru 8mm Allen wrenches. Tool is heat-treated steel with black oxide finish. 3/8" square drive is rated for a maximum torque of 90 ft.-lbs. (121.5 Nm). Instructions with a conversion table are included.

751081 Adjustable torque wrench adapter

**NEW****50-PIECE METRIC & INCH SIZE SPANNER ASSORTMENT**

Drop forged Chrome Vanadium steel spanners for semi-professional use. Includes combination wrenches, half moon wrenches, as well as regular box end style spanners. Covers metric sizes 10 thru 19mm and inch sizes 1/4" thru 7/8" in a three-eyed plastic tool roll.

754708 50-Piece metric & SAE size spanner set

NEW**10-PIECE INCH SIZE BALL HEAD STYLE INTERNAL HEX WRENCH SET**

Chrome Vanadium Allen head wrench set with ergonomic handles for semi-professional use. Keys can be used on both the short and long end. The ball style ends allow for use up to a 35 degree angle. Contains sizes 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16" and 3/8" in a metal holder.

754711 10-piece inch size T-Handle Allen key set

**SONIC**
equipment**SONIC PEN DRIVER SET**

745657 Set of 6 professional quality pen drivers in plastic holder

**10-PIECE INCH SIZE SOCKET SET**

Chrome Vanadium steel with satin chrome finished sockets for use with 1/2" drive. Contains one of each sockets in 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8" and 15/16" for semi-professional use. Comes in a sturdy plastic storage box.

754709 10-piece inch size socket set

01 HELMETS, LUGGAGE, AUDIO & MORE
02 SEAT
03 EXHAUST
04 ELECTRIC & LIGHT
05 ENGINE ELECTRICS
06 INTAKE
07 ENGINE
08 PRIMARY
09 TRANSMISSION
10 FINAL DRIVE
11 WHEELS & TIRE
12 BRAKE
13 FOOT CONTROL
14 HANDLEBAR
15 FRONT SUSPENSION
16 CHASSIS/FRAME & SHOCKS
17 FENDER & STRUTS
18 GAS TANK & INSTRUMENT
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Eklind

USA MADE ALLEN KEYS AND TORX HEAD DRIVERS

It is not without reason they say, "Good tools are half the job". We offer a complete line of USA made High Quality Allen head and Torx head keys, screw drivers and T-handle drivers made by Eklind, the world leader in manufacturing allen keys and similar. Each kit is manufactured of 8650 alloy steel for years of trouble free use. These professional quality tools are now available at very competitive prices. Since the introduction of the V-Rod, metric sizes have become a must in every Harley workshop too, that's why we now offer these kits in both metric and standard. The best for the custom builder and a must for the professional workshop. Ball end driver offers you an easy fastening in an up to 35 degree angle. Holder kits also available with extra short stubby end.

A) Folding kits

741269 Contains Inch sizes 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4"

B) Folding Biker kit

741264 Contains Phillips head screw driver, Flat screw driver and Allen head 4mm, 5mm, 6mm

741266 Contains Metric sizes 1.5mm, 2mm, 2.5mm, 3mm, 4mm, 5mm, 6mm

C) Holder kits, one side with Ball end

741262 Contains black finished Inch sizes .050", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8"

741265 Contains Metric sizes 3mm, 4mm, 5mm, 6mm, 8mm, 10mm

741268 Contains Torx sizes T6, T7, T8, T9, T10, T15, T20, T25

741267 Contains Torx sizes T8, T10, T15, T20, T25, T27, T30, T40

742826 Contains black finished Inch sizes with extra short stubby end; .050", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8"

741263 Contains black finished Metric sizes 1.5mm, 2mm, 2.5mm, 3mm, 4mm, 5mm, 6mm, 8mm, 10mm

742825 Contains bright finished Metric sizes 1.5mm, 2mm, 2.5mm, 3mm, 4mm, 5mm, 6mm, 8mm, 10mm

742827 Contains black finished Metric sizes with extra short stubby end; 1.5mm, 2mm, 2.5mm, 3mm, 4mm, 5mm, 6mm, 8mm, 10mm

741261 Straight Torx on both long and short arms, black finished, contains T10, T15, T20, T25, T27, T30, T40

741260 Short arm has standard Torx tip. The long arm has a ball tip engineered to drive Torx fasteners at up to a 35 degree angle. Black finished, contains T10, T15, T20, T25, T27, T30, T40

D) Ball end Hex driver in Inch sizes in workshop quality plastic holder
741273 Contains Inch sizes .050", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8"

E) Power-T 6" (150mm) long T Bar drivers in workshop quality plastic holder
741270 Contains Inch sizes 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8"

741271 Contains Metric sizes 2mm, 2.5mm, 3mm, 4mm, 5mm, 6mm, 8mm, 10mm

741272 Contains Torx sizes T8, T10, T15, T20, T25, T27, T30, T40



SONIC EQUIPMENT SOCKET SETS

Professional tools packed in tough plastic organizers with ratchets, extensions and swivel end.



745663 32-Piece inch size set, 1/4" drive with 3/16" thru 7/32" 12-point sockets, 1/8" thru 7/32" Allen, T10 thru T40 Torx, Phillips and flat bits



745659 85-Piece inch size set, 1/4" and 1/2" drive with 1/4" thru 1 1/4" 12-point sockets, 1/8" thru 7/32" Allen, T8 thru T55 Torx, Phillips and flat bits



745662 53-Piece inch size set, 3/8" drive 1/4" thru 13/16" 12-point sockets, 1/8" thru 7/16" Allen, T10 thru T55 Torx, Phillips and flat bits



745660 28-Piece inch size set, 1/2" drive, 3/8" thru 1 1/4" 12-point sockets, spark plug sockets and 1/4" thru 5/8" Allen bits



745661 34-Piece inch size set, 1/2" drive, 3/8" thru 1 1/4" 12-point sockets, spark plug sockets and 1/4" thru 15/16" box and open end combination spanners



SONIC EQUIPMENT SPARK PLUG SOCKETS

Sonic Equipment spark plug sockets have the great features as their sockets. They also feature an external hex for when a ratchet can not be used in tight spaces. A rubber insert helps to hold the spark plug.

745626 3/8" drive 16mm spark plug socket, 65mm long

745627 3/8" drive 21mm spark plug socket, 65mm long



SONIC EQUIPMENT DRIVE EXTENSIONS

Manufactured from high grade Chrome Vanadium steel and have an ergonomic knurled ring to improve anti-slip.

745639 1/4" drive 50mm long extension

745640 1/4" drive 150mm long extension

745641 3/8" drive 75mm long extension

745642 3/8" drive 200mm long extension

745643 1/2" drive 125mm long extension

745644 1/2" drive 250mm long extension

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HELMETS,
LUGGAGE,
AUDIO & MORE

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EXHAUST

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ELECTRIC
& LIGHT

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ENGINE

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PRIMARY

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TRANSMISSION

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FINAL DRIVE

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WHEELS &
TIRE

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BRAKE

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FOOT
CONTROL

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HANDLEBAR

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FRONT
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CHASSIS/
FRAME
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SONIC

SONIC EQUIPMENT SOCKET AND SOCKET BITS

Sonic Equipment sockets and socket bits are manufactured from high grade Chrome Vanadium steel, with a tight tolerance and high quality finish to ensure a perfect fit. They have an ergonomic knurled ring to improve anti-slip and the sockets are extremely sturdy, slim and light, to work in tight spaces. Sockets and socket bits come well organized on an easy click-on and click-off socket strip.



745600 1/4" drive 9-piece 12-point flank inch size socket set; 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16" & 1/2"



745601 1/4" drive 9-piece 12-point flank inch size deep socket set; 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16" & 1/2"



745602 1/4" drive 10-piece socket bit set; PH1, PH2, PZ1, PZ2, flat #3, 4, 5, 6, 7 & 8



745603 1/4" drive 9-piece hex metric socket bit set; 3, 4, 5, 5.5, 6, 7, 8, 9 & 10mm



745604 1/4" drive 7-piece hex inch size socket set; 1/8", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8"



745605 1/4" drive 10-piece Torx socket set; T8, T8H, T10, T10H, T15, T15H, T20, T20H, T25, T25H



745606 3/8" drive 10-piece 12-point flank metric socket set; 8, 10, 12, 13, 14, 15, 16, 17 & 19mm



745607 3/8" drive 10-piece 12-point flank metric deep socket set; 8, 10, 12, 13, 14, 15, 16, 17 & 19mm



745608 3/8" drive 8-piece 12-point flank inch size socket set; 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4" & 13/16"



745609 3/8" drive 8-piece 12-point flank inch size deep socket set; 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4" & 13/16"



745610 3/8" drive 10-piece hex metric socket bit set; 3, 4, 5, 5.5, 6, 7, 8, 9, 10 & 12mm



745658 3/8" drive 9-piece long hex metric socket bit set; 3, 4, 5, 5.5, 6, 7, 8, 9 & 10mm



745611 3/8" drive 9-piece hex inch size socket set; 1/8", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8", 7/16" & 1/2"



745612 3/8" drive 10-piece Torx socket bit set; T8, T10, T15, T20, T25, T27, T30, T40, T45 & T50



745613 1/2" drive 12-piece 12-point flank metric socket set; 8, 9, 10, 12, 13, 14, 15, 16, 17 & 19mm



745614 1/2" drive 12-piece 12-point flank metric deep socket set; 8, 9, 10, 12, 13, 14, 15, 16, 17 & 19mm



745615 1/2" drive 15-piece 12-point flank inch size socket set; 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1 1/16", 1 1/8", 1 3/16" & 1 1/4"



745616 1/2" drive 15-piece 12-point deep flank inch size socket set; 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1 1/16", 1 1/8", 1 3/16" & 1 1/4"

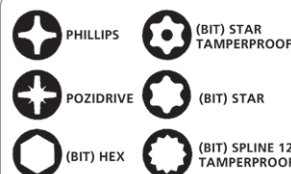


745617 1/2" drive 10-piece hex metric socket bit set; 4, 5, 5.5, 6, 7, 8, 9, 10, 12 & 14mm



745618 1/2" drive 10-piece hex inch size socket bit set; 3/16", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16", & 5/8"

745619 1/2" drive 10-piece Torx socket bit set; T20, T25, T27, T30, T40, T45, T50, T55, T60 & T70



SONIC

SONIC QUICK RELEASE RATCHETS

Feature ergonomic Santoprene thermoplastic handle grips and a 45-teeth ratchet mechanism.

745631 1/4" drive 140mm long ratchet

745632 3/8" drive 195mm long ratchet

745633 1/2" drive 255mm long ratchet



SONIC

SONIC TWIST GRIP RATCHET TOOL

This ratchet tool from Sonic makes getting to those pesky bolts hidden behind covers or at awkward angles a problem of the past. The twist grip allows the tool to be used as every other one by rotating the complete arm, but also by turning the grip. Features a 52 teeth ratcheting mechanism and a reverse latch so you can both loosen and tighten bolts with the same tool. Sold each.

745668 Twist grip ratchet, 1/4" drive

745667 Twist grip ratchet, 3/8" drive

745666 Twist grip ratchet, 1/2" drive



SONIC

SONIC EQUIPMENT DISC RATCHETS

Small tool, so great for tight spaces. Features a 72-teeth ratchet mechanism.

745634 1/4" drive Disc Ratchet

745635 3/8" drive Disc Ratchet



SONIC
equipment

SONIC EQUIPMENT TWISTABLE T-GRIPS

Most mechanics appreciate the quick-action of a T-grip. Sonic Speedy's are even easier as they feature a twistable grip.

745636 1/4" drive 322mm long

745637 3/8" drive 326mm long

745638 1/2" drive 330mm long



SONIC
equipment

SONIC EQUIPMENT TORQUE WRENCHES

Feature comfortable thermoplastic handle grips, a clearly visible scale in Nm and ft/lb and a rapid, accurate safe setting action. Left or right ratchet action with quick release system.

745645 1/4" drive 290mm long torque wrench 5-25Nm (3.7-18.4 ft/lb)

745646 3/8" drive 405mm long torque wrench 10-100Nm (7.38-73.8 ft/lb)

745647 1/2" drive 500mm long torque wrench 20-200Nm (14.8-148 ft/lb)



SONIC
equipment

SONIC EQUIPMENT OIL DRAIN PAN

Heavy duty oil drain pan for professional replacing of motor oils, cleaning or collecting of other liquids. Features 3 comfortable grips and a no-mess spout.

745624 Oil drain pan; 4.2 US Gallons (15.9 Liter)



SONIC
equipment

SONIC OIL DRAIN PAN

Strong low profile drain pan for collecting oils, fuels, coolants and other fluids.

745654 Drain pan 69x66x6.5cm (approx. 27"x26"x2 1/2")



SONIC
equipment

SONIC EQUIPMENT MAGNETIC TRAY Powerful magnetic tray featuring a protective rubber back. Securely holds small parts and tools.

745625 Magnetic tray in 4" (15cm) diameter



SONIC
equipment

SONIC TANK & FENDER PROTECTOR

Non-slip nylon protector prevents damaging tanks and fenders when working on your vehicle. Oil, dirt and water repellent, and can be machine washed at 40°.

745650 Non-slip tank & fender protector, 90x50cm (35x19.7")



1940-1965 FUEL ROD ALIGNMENT TOOL

Use to correct the alignment of bottom and top holes for the fuel rod on 1940-1952 WL & WLA 45CI Sidevalves, 1940-1948 U, UH, UL & ULH Flathead Big Twins, 1940-1947 E & EL Knucklehead Big Twin, 1940-1965 F, FL & FLH Panhead Big Twin.

789458 Fuel rod alignment tool (OEM 96365-42)



JIMS

FUEL TANK WALL MOUNT

Do not invite disaster by leaving fuel tanks on your workbench but mount this handy piece of equipment secure to a wall to easily and safely store a removed fuel tank.

753690 Holds any one piece fuel tank that has 5/16" or 3/8" mounting hardware



6-PIECE UNC SIZE TAP WRENCH SET

Great to repair threads in aluminum parts. Kit contains a tap holder and a total of five taps in 1/4"-20, 5/16"-18, 3/8"-16, 7/16"-14 and 1/2"-13 UNC sizes for semi-professional use.

754700 6-Piece UNC size tap wrench set



40 PIECES METRIC TAP AND DIE SET

A handy tool set for cleaning damaged metric threads. **Not intend for cutting or tapping new threads.** Contains one tap and die in each of the following sizes: M3 x 0.5, M3 x 0.6, M4 x 0.7, M4 x 0.75, M5 x 0.8, M5 x 0.9, M6 x 0.75, M6 x 1, M7 x 0.75, M7 x 1, M8 x 1, M8 x 1.25, M10 x 1.25, M10 x 1.50, M12 x 1.5, M12 x 1.75 and 1/8NPT-27TPI, as well as a T-handle, die handle, screw driver and thread pitch gauge. Supplied in a handy plastic box.

741655 Tap & die set, Metric, 40 pcs.



45-PIECE UNC & UNF SIZE TAP AND DIE SET

Tungsten steel tap and die thread repair set for semi-professional use. Includes one of each size taps and dies in the following UNF sizes 1/4"-28, 5/16"-24, 3/8"-24, 7/16"-20, 1/2"-20, 9/16"-18, 5/8"-18, 3/4"-16, 7/8"-14, 1"-14 and one of each size taps and dies in the following UNC sizes 1/4"-20, 5/16"-18, 3/8"-16, 7/16"-14, 1/2"-13, 9/16"-12, 5/8"-11, 3/4"-10, 7/8"-9 and 1"-8. Comes in a sturdy plastic storage box with an adjustable tap wrench, die holder, tap holder, adaptor for die holder and a 6mm slot screwdriver.

754701 45-Piece UNC & UNF size thread repair set



110-PIECE METRIC, UNC & UNF SIZE TAP AND DIE SET

Tungsten steel tap and die set for semi-professional use in a sturdy plastic box. Includes two die holders, two tap holders, one T-holder and pre- and main cutter taps UNC sizes #4-40, #6-32, #8-32, #10-24, #12-24, 1/4-20, 5/16-18, 3/8-16, 7/16-14, 9/16-12, 1/2-13, 5/8-11, 3/4-10. UNF sizes #10-32, 1/4-28, 5/16-24, 3/8-24, 7/16-20, 9/16-18, 5/8-18 and 3/4-16.

UNS sizes 1/4-24 and 1/4-32.

Metric sizes M6 x 1.0, M8 x 1.25, M10 x 1.5, M10 x 1.0, M11 x 1.5, M12 x 1.25, M12 x 1.75, M14 x 1.25, M18 x 1.5.

Also includes taps for 1/8-27NPT and 1/4-18NPT.

754702 110-Piece Metric, UNC, UNF and UNS tap and die set

NEW
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HELMETS,
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JIM'S SPARK PLUG HOLE THREAD CHASER

Whenever you are in doubt about your spark plug hole thread use this tool to clean up the thread. This double ended, 14mm and 18mm thread chaser easily cleans up spark plug holes and so reduces the chance of cross threading. It is to be used with 13/16" socket.

750315 Thread chaser



NEW

DENTAL PICK SET

Semi-professional dental pick set. Use to remove O-rings from shafts and castings. Includes straight, 45 and 90 degree angled and hook-style picks with comfort grips with a total length of 145mm.

754712 Dental pick set



FAST FILL FUNNEL

This heavy-duty, unbreakable plastic Fast-Fill funnel has a wide mouth. It takes 6 Quarts (approx. 3L.). The narrow filler tube has a built-in brass screen filter. Made by Accel/Mr. Gasket.

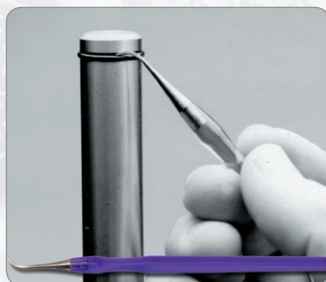
797069 6 Quarts capacity (approx. 3L.)



SURFACE TEMPERATURE INDICATING STRIPS

This product is an innovative tool that will alert you when you've reached 210°F (100°C). At this temp you should cease heating a main shaft, flywheel sprocket shaft, motor, or transmission case. To remove stubborn bearings, races, or gears, just apply heat strip next to the race on the shaft you're heating and watch the strip change color as you reach 210°F. These heat temperature strips come in a 30 piece heat strip pack.

751111 Surface temperature indicating strips



JIMS DENTAL PICK

Everybody knows the problem. Trying to remove an o-ring by using your fingernails and getting no grip on it. This tool makes life easy, the fine tip end is hooked for easy usage, and proves to be useful in many aspects of motorcycle repair work. This precision tool comes with a contoured grip for comfort and is made from 24 series Stainless Steel and hardened to 30-34 Rockwell for durability.

750325 Jims dental pick



CRUZTOOLS MAX HOOK SPRING PULLER

We've tried other spring hooks, and they just didn't cut it-either the hook was too flimsy or we couldn't get enough leverage. The MaxHook's T-handle provides plenty of leverage. And instead of welding the hook onto the rod, which can become brittle and break, CruzTools CNC machined it right out of the rod stock, then bent it.

740304 MaxHook Spring Puller



SONIC HOSE CLAMPS

Heat resistant reinforced nylon clamps with easy to use locking mechanism and special designed jaws to prevent internal hose linings from damaging.

745652 Set of 3 hose clamps for 1/8" thru 5/16" (3-8mm), 1/2" thru 3/4" (12-19mm) and 3/4" thru 2 1/2" (19-63mm) diameter



RACER'S SAFETY WIRE KIT

For safety wiring of nuts and bolts, kit includes stainless wire and special stainless washers that make safety wiring a "no drill" operation. Wire is separately available.

235193 Safety wire kit

235272 Safety wire .035" (0.9mm) 1 lbs.

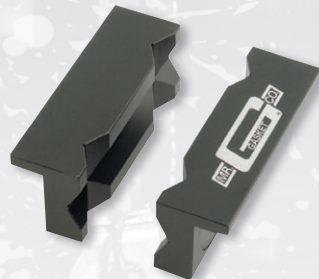
235267 Safety wire .025" (0.65mm) 1 lbs.



SONIC DENTAL PICKS

Dental picks are a great aid to help you remove O-rings. Made from tool steel and feature comfort grips.

745653 Set of 4 differently shaped dental picks



ACCEL VISE SOFT JAWS

This unique tool is designed to make assembling brake hoses much less time consuming and reduce the chance of marking or damaging connectors. Use is not limited to brake line assembly, these jaws also work with many other parts.

797063 Accel vise soft jaws



JIMS CABLE LUBER

This tool is used to inject lubricant into any mechanical cable housing, such as used for throttle, idle, clutch or brake. The tool clamps over your cable housing and inner cable allowing you to connect an aerosol lube can of cable lube to the small opening of this tool. Spray until the lube runs out of the other end of the cable.

751082 Cable luber

**ACCEL SAFETY WIRE & PLIERS**

Safety wire is mandatory in many racing classes and a proven way to secure bolts and nuts. Accel's safety wire is made from 304 stainless and is .032" (0.81mm) in diameter. Their special safety wire pliers make safety wiring fast and easy.

797065 Accel Safety wire pliers

797066 Accel .032" (0.81mm) stainless safety wire, 1 lbs. (454 gram) can



500407 Oil pressure switch wrench for 1999 to present Touring models. Can also be used for most other 15/16" oil pressure switches.



500405 Exhaust bracket wrench for 1999 thru 2017 Dyna models. Features a shortened and replaceable T-17 Torx bit. The low profile design allows for easy access to the exhaust bracket in between the frame and the engine.

**SPECIAL WRENCHES**

Special reversible ratcheting wrenches, designed to do a specific job. Feature ergonomic vinyl grips that also prevent from scratching or marring the bike.



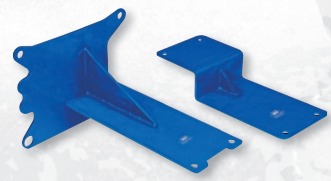
500404 Lower rocker box wrench for 1994 thru 1999 Evolution Sportster and Big Twin. Has a 7/16" socket that protrudes 1" (25mm) to reach the application.



500406 Lower rocker box wrench for 1994 thru 1999 Evolution Sportster and Big Twin. Has a 7/16" socket that protrudes 1 3/8" (35mm) to reach the application.



500411 Speedometer sending unit wrench for all 1994 to present models. Features a 1/4" drive 3/16" ball end Allen bit. The angled design of the wrench allows easy access to the transmission mounted speedometer sending unit.

**JIMS ROLLING BUDDY**

Rubber mounted Harley-Davidson V-Twins use the engine as a structural part of the chassis. When the engine is removed, it becomes impossible to roll the motorcycle. This can incapacitate a lift or, at the very least, tie up floor space. Jims Rolling Buddy plates are designed to take the place of the engine and literally bolt the chassis back together and will allow you to roll the bike again, making your workshop more efficient. As with all Jims USA tools, these are tools for professional use, but are great for do-it-yourself use too.

753600 Use on 1984 thru 1998 Touring, FXR and Dyna

753601 Use on all 1999 thru 2006 Touring and 1999 thru 2005 Dyna

753602 Use on all 2007 thru 2016 Touring and 2006 thru 2017 Dyna

**JIMS EXHAUST STUD DRILL PLATE**

This tool is designed to guide and keep alignment of the drill bit when drilling out broken exhaust studs. A follow up with a tap is all that is needed to clean up threaded hole. This tool can be used with motor in most frames. Will work on Big Twin 1984 thru 1999, Twin Cam 1999 thru 2017, Milwaukee Eight 2017 to present, Sportster 1986 to present and Buell 1987 to present.

233144 Exhaust stud drill plate

**JIMS EXHAUST GASKET INSTALLER TOOL**

This Jims Exhaust Gasket Installer will safely install exhaust gasket seal on air cooled Buells, Evolution Sportster, Evolution Big Twin, Twin Cam and Milwaukee Eight evenly and square without distorting the seal. Without a proper tool, installing could run the risk of developing an exhaust leak. The tool uses either the two exhaust stud flange nuts from the exhaust system or a JIMS tool handle ZPN235804 to install the seals. Manufactured from high grade 6061 aluminum, and then finished with JIMS blue anodizing.

751084 Exhaust gasket Installer Tool



235804 Race & bearing installation tool

**JIMS EXHAUST RETAINING RING TOOL**

This patent pending installation tool installs the exhaust pipe retaining ring on almost all exhaust system on air cooled Harleys and Buell's from 1984 to present quickly and easily without scratching the exhaust pipe or twisting the ring.

751116 Jims Exhaust pipe retaining ring tool

**OXYGEN SENSOR SOCKET TOOL**

This tool is used to remove or install the oxygen sensor on all FLH and FLT series Touring models 2006 thru 2009, Softail, Dyna and V-Rod 2006 thru 2011, 2007 to present Sportster and closed loop fuel injected Buell models. Socket has a 3/8" drive receiver or can be used with a 7/8" wrench. Socket will withstand up to 125 lb/ft of torque.

751055 Fits all unheated Fuel Injected Oxygen Sensor equipped models 2006-present

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SONIC
equipment

SONIC SWIVEL STYLE O2 SENSOR WRENCH

Professional chrome-vanadium tool with 22mm 180 degree swivel style head to remove and install O2 sensors, also known as Oxygen sensors or Lambda sensors, in hard-to-reach positions.

745651 Swivel style 22mm sensor wrench



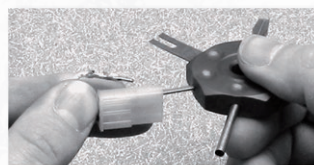
NEW



IGNITION SWITCH ALIGNING TOOL

Tool aligns the ignition switch housing properly when the retaining nuts are being torqued.

782147 For 2003 thru 2013 Touring and 2003 thru 2017 V-Rod



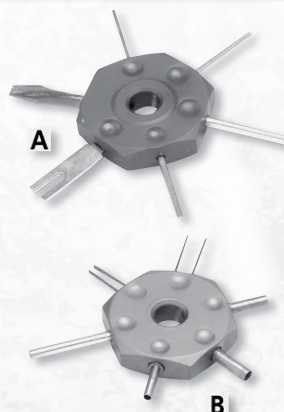
NEW



RATCHET CRIMP TOOL

Use to crimp wire terminals with a professional result. Pliers are 230mm long and come with two sets of jaws; one for insulated and one for non-insulated terminals as used for wires from 0.5 thru 10mm² (20-10 AWG).

754713 Ratchet crimp tool



JIMS

JIMS 6-IN-1 RECEPTACLE EXTRACTORS

This handy tool easily removes an assortment of harness style receptacle pins with either one of these 6 into 1 tools. This tool originally came from the automotive industry but, as we found out, also works great on motorcycles.

750340 [A.] 6-in-1 for ALDL, pack-con and weather connectors

750341 [B.] 6-in-1 for all tong-style connectors



751123

751105

751104

JIMS

JIMS O2 SENSOR WRENCHES

USA made wrenches to install and remove the M14, 4-wire heated O2 (Oxygen) sensors without taking off the exhaust pipes from the bike.

751123 Works on 2010 to present Touring front and rear pipe. Must be used with a 3/8" drive torque wrench

751104 Works on 2012 thru 2017 Dyna and V-Rod front and rear pipe, and 2012 thru 2017 Softail front pipe

751105 Works on 2012-2017 Softail rear pipe



782148 For 2014 to present Touring models



JIMS

JIMS RECEPTACLE AND PIN EXTRACTOR

No more difficulties in dismantling molex style connectors. The receptacle and pin extractor will easily remove the pins. Can be used on all models.

750338 Pin extractor

750339 Receptacle extractor

NEW



ACCEL

"ACCEL 300+ CRIMP" HEAVY-DUTY PLUG WIRE & ELECTRICAL WIRE TOOL

The best wiring crimping tool available. The 300+ Crimp tool is supplied with three removable stripping/crimping dietype jaws. One for spark 7-9mm plus wires and two styles for primary wire terminals. An absolute must for making custom plug wire sets or wiring harnesses. Constructed with a heavy-duty hardened steel frame with molded non-slip hand grips. An adjustable ratchet mechanism produces consistent factory style high quality crimps.

231953 Plug wire & Electrical wire tool



JIMS

JIMS IGNITION SWITCH HOUSING ALIGNMENT TOOLS

These Jims-USA tools will help to align the ignition switch housing and ignition switch knob to help extend the life of the ignition switch housing. Just insert the tool, torque de screws and remove the tool again.

751056 Works on all Touring models 2003 thru 2013 and all V-Rod models 2002 to present.

753616 Works on all Touring models 2014 to present

CRIMPING & WIRE STRIPPER PLIERS

Do-It-Yourself pliers for a professional result. Automatic stripping pliers is for cables of 0.2 to 6 mm² / AWG 10 to 24, up to a 25mm length. The automatic crimping pliers are to secure cable lugs, wire terminals and connectors. Can also be used to shorten M2.6, M3, M3.5, M4 and M5 wire ends.

754705 Set with crimping pliers & wire stripper



ACCEL

ACCEL SUPERSTOCK CRIMP TOOL

The SuperStock crimp tool produces a factory style crimp. Strips spark plug wires and crimps all 7-8mm terminals all in one tool. Constructed with a strong steel frame and features cushioned hand grips.

797064 Accel SuperStock crimp tool



SONIC
equipment

SONIC CRIMPING TOOL

This professional and easy to use tool has been developed with one crimping pliers and multiple heads to cover as many crimping and crimp type applications as possible. Features quick head change, ratchet function and a 2-component handle. Includes 6 exchangeable crimping jaws for:

- Insulated terminal ends DIN 0.5-6mm²
- Non-insulated terminal ends DIN 1.5-10mm²
- Open barrel terminal ends DIN 0.5-4.0mm²
- Insulated cord-end terminal DIN 0.5-6mm² (for small sizes)
- Insulated cord-end terminal DIN 0.5-6mm² (for large sizes)
- Open barrel terminal & d-sub

745669 Sonic modular crimping tool



MSD

MSD PRO CRIMPTOOL

The right tool for the right job, a catchphrase that is amongst the fundamentals of motorcycle engineering. Hardened for professional use, the tool has to be used when fitting super conductor or any other spark plug wires. Comes equipped with a set of jaws to install or remove plug wires and boots. Replacement jaws as well as jaws for various other purposes are also available.

711823 Pro crimp tool

711824 Replacement spark plug jaws

711825 Optional AMP pin jaws

711826 Optional AMP lug jaws

711827 Optional Weather tight jaws

711828 Optional Deutsch connector jaws



UNIVERSAL MINI "U" BARREL CRIMP TOOL

Perfect for small 30 to 20-gauge terminals used with JAE MX-1900 Series, JST, ECM/BCM Delphi or any other small terminal. These high quality professional crimping pliers are made in Japan and are a must when servicing late model motorcycles.

233740 Universal mini "U" barrel crimp tool



DEUTSCH CRIMP TOOLS

701793 Deutsch Crimp Tool for Stamped Terminals

701794 Deutsch Crimp Tool for Solid Terminals

741545 Removal tool



RATCHET CRIMPING PLIERS FOR DEUTSCH SOLID PINS

This ratchet action tool makes crimping Deutsch solid pins fast and easy.

754720 Ratchet crimping pliers



CRIMPING TOOL FOR SOLID DEUTSCH CONNECTORS

Easy to use crimping tool for solid barrel type contacts as in Deutsch connectors. Has adjustable pin height locator and can be used with AWG 12-20 (0.50-4.0 mm²) wire.

745576 Crimping tool

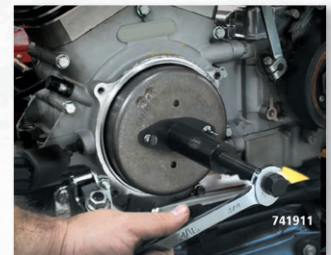


MSD

MSD SPARK PLUG WIRE MINI STRIPPER & CRIMPER

Designed to properly crimp Standard and Dual Crimp terminals on 8 and 8.5mm spark plug wires. Insert the plug wire in the crimper tool and use a sharp single-edge razor blade to strip the wire. Then insert the terminal in the crimper tool, put it in a vise and crimp the terminal.

711822 Mini stripper crimper tool



JIMS

JIMS ALTERNATOR ROTOR REMOVAL AND INSTALLATION TOOL

These tools are a must when you have to remove or install the alternator rotor on all FLH and FLT models 1997 to present. They protect the threads on the sprocket shaft from damage while pulling the rotor free from its magnetic hold.

741911 Works on 1997 thru 2016

Evolution and Twin Cam

powered Touring models

753686 Works on 2017 to present

Milwaukee Eight powered

Touring & Trike models



JIMS

JIMS WIRE PIERCING TOOL KIT

This tool is used when you're looking for an easy way to pierce into positive or negative power sources in a wire harness. Fits wires from .030" through .180" (0.8 thru 4.6 mm) diameter insulation. Do not use on voltages larger than 30VAC or 60VDC. Maximum current 5A. Tool comes with banana jacks on tool. Included are red & black banana post connectors.

751125 Jims wire piercing tool kit



ALTERNATOR ROTOR PULLERS

These use the two threaded holes in the rotor to allow removal. The professional type uses the sprocket shaft end to center. Works on 1970 to present Big Twins.

781094 Alternator rotor puller

781095 Professional alternator rotor puller (OEM 41771)

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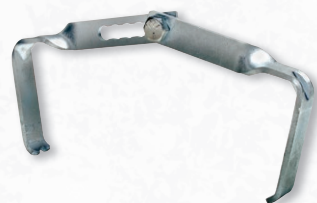
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JIMS **JIMS IGNITION SWITCH & FORK LOCK TOOL FOR DYNA**

This tool is used to make removing and installing the 2006 thru 2017 Dyna ignition switch & fork lock simple. Tool locates on the ignition switch face nut that holds the switch in place on the frame, letting you remove or install this switch correctly. Tool has a 3/8" drive access hole.

751124 Ignition switch and fork lock installer and remover tool



JIMS **JIMS BATTERY LIFTER**

Even sealed and gel cell batteries can leak harmful and corrosive chemicals that can cause damage to skin and clothing. This new Battery Lifter is modeled after the larger tools made for automotive batteries but is properly sized to fit a variety of motorcycle batteries. In particular, some Harley-Davidson models have an extremely tight fit in the compartment combined with a heavy battery, which makes for unusually difficult removal and installation. This is an accident waiting to happen! Dropping the battery can result in personal injury, and/or damage to the motorcycle, as well as the battery itself. Our concern for safety goes beyond just riding the motorcycles.

753625 For all Harley-Davidson models where lifting straight up is difficult to impossible



JIMS **IGNITION SWITCH CONNECTOR REMOVER TOOL**

Use this tool to safely remove the ignition switch wiring connector. Slip the dog bone end of the tool into the bottom side of the connector until it is touching the back end of connector box. Then gently pull out the male wiring connector and tool. Use on Touring models 2003 thru 2013 that have a connector directly plugging into the ignition switch (OEM 71530-03) and all V-Rod 2002 thru 2017.

751057 Ignition switch connector remover tool



MIKUNI HSR EASY TOOL KIT

The Mikuni HSR Easy Tool Kit includes all the important tools to perform basic jetting and maintenance on Mikuni's HSR 42, HSR 45 and HSR 48 carburetors. The kit includes a 17mm x 11/16" wrench to loosen and tighten the choke nut and drain plug, a Hex Wrench for adjusting the throttle setting and a main jet T-wrench handle with a slip-in Phillips and flat head combination screwdriver blade and a slip-in hex wrench for easy needle adjustment.

741714 Mikuni HSR carburetor Easy Tool Kit



SONIC MULTIMETERS

A multimeter or a multitester, also known as a VOM (volt-ohm-milliammeter), is an electronic measuring instrument that combines several measurement functions in one unit. A typical multimeter can measure voltage, current, and resistance. The Sonic multimeters are hand-held devices useful for basic fault finding and field service work, but also as a bench instrument that can measure to a very high degree of accuracy. They can be used to troubleshoot electrical problems in a wide array of industrial and household devices such as electronic equipment, motor controls, domestic appliances, power supplies, and wiring systems. With more and more electronics arriving on motorcycles you can't simply do without one. The Professional version is a must for workshops, whereas the Economy version is aimed for do-it-yourselfers.

745664 Sonic Professional Multi Meter Specifications:

LCD display, maximum reading 3,999
With backlight
Data hold function
Auto power off function
Auto range
Voltage DC: 0.4, 4, 40, 400, and 600V
Voltage AC: 4, 40, 400, and 600V
Current DC: 400μA, 4,000μA, 40mA, 400mA, and 10A
Current AC: 400μA, 4,000μA, 40mA, 400mA, and 10A
Resistance: 400, 4k, 40k, 400k, 4M, and 40M Ohm
Capacitance: 4n, 40n, 400n, 4μF, 40μF, and 100μF
Frequency: 10, 100, 1K, 10K, and 100KHz
Temperature: -20 to 1,000°C
EMF: 400 and 4,000mV
Continuity: yes
Diode check: yes

745665 Sonic Economy Multi Meter Specifications:

3,5 digit display
Battery level indicator
Overload protection
Audible continuity
Voltage DC: 200mV - 2 - 20 - 200 - 600V
Voltage AC: 200 - 600V
Current DC: 2 - 20 - 200mA - 10A
Resistance: 200 Ohm - 2 - 20 - 200 - 200k Ohm
Battery check: 1,5V/9V
Diode check: 2,8V/1mA
Battery: 1x 9V NEDA 6F22
Dimensions: 127x66x26 mm
Weight: 106 g. (incl. battery)



JIMS ONBOARD DIAGNOSTIC VOLTMETER

Like all modern motor vehicles, Harley-Davidson motorcycles are much more dependent upon their electrical charging systems. Electronic fuel injection systems with high pressure fuel pumps, audio, GPS Navigation and more powerful lights that are on whenever the motorcycle is operating, add significantly to electrical demands. Charging system failure can be more than an inconvenience, so it makes sense to take preventative measures. The Onboard Diagnostic Voltmeter attaches easily to the battery and can be quickly viewed to spot potential charging system and battery problems. Works on all 6 or 12 volt battery and charging systems in motorcycles and many other applications.

753624 Jims onboard diagnostic voltmeter



S&S MAIN JET TOOL

This tool makes it easy to change main jet in S&S GAL, GBL, MGAL, MGL, Super B, Super E and all two-throat carburetors. A must for every professional workshop.

750264 Main jet tool for changing series #72 main jets



INTAKE MANIFOLD WIDTH GAUGE TOOL

Allows you to take accurate measurements between the cylinder heads to establish intake manifold width requirements. Works on Shovelhead, Evolution and Twin Cam motors.

781096 Intake manifold width gauge tool

Kit includes:

- 741913** Base stand
- 741916** "Taller" Single Cam Big Twin Cradle
- 741915** Twin Cam "A" Cradle
- 741917** Sportster and Buell Cradle
- 741914** Twin Cam "B" Cradle



JIMS ENGINE STAND FOR MILWAUKEE EIGHT

Work stand for Milwaukee Eight engines. Blue powder coated .125" steel

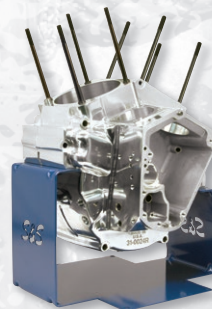
753695 Milwaukee Eight Touring & Trike engine stand

756310 Milwaukee Eight Softail engine stand



S&S ENGINE STANDS

Perfect for engine repair or as a show stand. These powder coated steel stands feature laser-cut S&S logos. Available for use with both OEM and aftermarket engines and engine cases from 1936 to present.



750876 For use with single cam Big Twin 1936 thru 1999, S&S P-series, S&S SH series and S&S V-series



750877 For use with Twin-Cam "A" 1999 thru 2017 and S&S T-series



750878 For use with Twin Cam "B" (Balanced) 2000 thru 2006

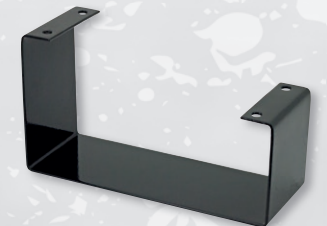


750875 For use with S&S X-Wedge

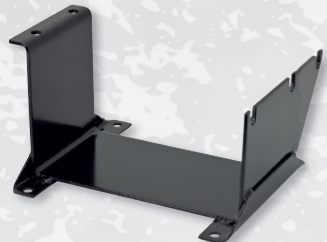
B₂

B₂ ENGINE STANDS

Powder coated steel stands, perfect for engine repair or as a show stand.



231649 For single cam Big Twin engines 1936 thru 1999 (OEM 96815-46)



721699 For Twin Cam "A" engines 1999 thru 2017



721700 For 1957 thru 2003 Sportster and 1994 thru 2002 Buell (OEM 96816-80)

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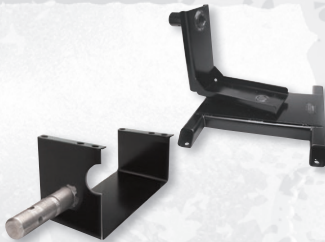
NEW



YOST INTAKE MANIFOLD WRENCH

Make life easier when removing the intake manifold on Evolution engines with this handy wrench. Cuts an hour job in half and pays itself back after the first job. No more need to remove the complete gas tank, this angled wrench with ball-end allows you to remove the carburetor manifold directly from 1986 thru 2006 Sportster and 1984 thru 1999 Big Twin models.

781711 Intake manifold wrench



JIMS COMPLETE MODULAR ENGINE & TRANSMISSION STAND KIT

This kit provides a solid and versatile work center for a variety of engine types. With this kit an engine builder can freely position complete engines and transmissions into the most optimum working position. The base stand allows 360 degrees of rotation while the modular cradles swivel and lock in 180, 90, and 45 degree angles. The base easily bolts to a workbench, and comes ready to use with all hardware included. Each piece is constructed from high quality steel. Available as a complete kit that works with all Big Twin, Twin Cam and Sportster engine cases as well as all 5 Speed transmissions. All parts are also sold individually.

741919 Complete Engine & Transmission Stand kit



SPORTSTER ENGINE STAND

Can be used for engine repair but also as a show stand for all Sportsters 1957 to present. Rugged steel construction with a strong painted finish.

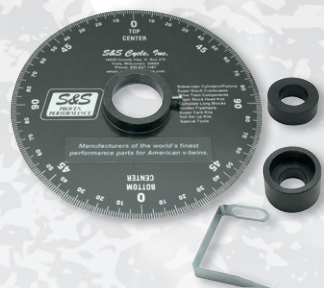
723120 Sportster engine stand



CRANKSHAFT ROTATING WRENCH

This 24 tooth ratcheting wrench is used to rotate the crankshaft during engine timing or clearance checks on 2006 thru 2017 Dyna's, 2007 to present Softails and Touring models. Wrench features a non-slip rubber grip.

500410 Crankshaft rotating wrench



S&S DEGREE WHEEL KIT

Multipurpose degree wheel can be used to do ignition timing, crankcase breather timing, cam degreing, or you name it. Designed to fit the sprocket shaft of any Big Twin or Harley-Davidson Sportster model simply by using the correct adapter provided. Each kit also comes with a pointer which is held in place with the center crankcase bolt.

782000 Complete S&S degree wheel kit

782004 Replacement degree wheel and main adapter assembly

782001 Replacement adapter for Sportster models

782002 Replacement adapter for Big Twin models

782003 Replacement pointer



JIMS FLYWHEEL SOCKETS

Look no further for the best flywheel rebuilding sockets available. Zodiac offers these low-profile flywheel sockets, which are just long enough to give 100% nut to sprocket contact and 100% drive end contact. Machined flat at the nut receiving end to eliminate rounding off the nut and greatly reducing the risk of bodily injury. These sockets are machined from solid steel 4130 chromium-molybdenum and heat treated to give a lifetime of service. Available in various models for use on Big Twin models from 1954 to present and Sportster models from 1981 to present.

236213 For use on Big Twins 1954 thru early 1981, 1 5/16" socket with 1/2" drive

236216 For use on Big Twins 1972 to present, 1 5/8" socket with 3/4" drive

236215 For use on Big Twins late 1981 thru 1989, 1 1/4" socket with 1/2" drive

236214 For use on Big Twins late 1983 to present, 1 1/2" socket with 1/2" drive

236217 For use on Sportsters 1981 to present, 1 3/8" socket with 1/2" drive



CRANKCASE BEARING LAPPING TOOL

This crankcase lapping tool aligns left and right main bearing races as well as lapping to size or over-size on all Sportster, Big Twin and 45 CI motor cases. Comes with 1.375", 1.500" and 1.750" diameter lap heads. Replacement 1.750" lap head is also separately available.

234996 Crankcase bearing lapping tool (OEM 96710-40)

235003 Lap head 1.750" (OEM 96718-58)



JIMS TWIN CAM B CRANKCASE SUPPORT BLOCK TOOL

Jims Crankcase support block tool for Twin Cam B is an innovative tool designed to protect the left engine case while servicing the inner balancer bearings or performing other general engine work. These blocks attach to the outer side of the engine case underneath the balancer bearing pads surface. The blocks are made of aluminum and have an inserted Delrin pad that rest against the case to prevent marring. The blocks properly support the case, keeping it on a level plane when using a press for bearing service work. These tool blocks also keep the case level when using JIMS tool ZPN751085 to remove the balancer bearings without an arbor press. Comes complete with instruction sheet.

751087 Jims Twin Cam B crankcase support block tool

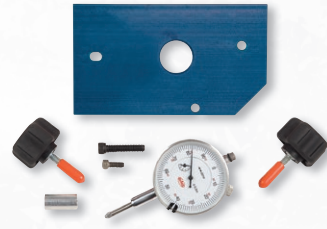


'MIGHTY BITE' FLYWHEEL LOCK & DECOMMISSIONED TAG

This Jims tool locks the flywheel in place making certain service procedures easier, such as decompression testing. It is also very visible and useful to designate a bike as decommissioned. The bike will not start, and clutch must be engaged in order to move around the shop. Available for Twin Cam with a Crank Position Sensor, as well as for Milwaukee Eight.

751110 For 2002 thru 2017 Twin Cam engines with a Crank Position Sensor

753694 For Milwaukee Eight



JIMS FLYWHEEL RUNOUT INSPECTION GAUGE

Check flywheel runout of the pinion shaft while assembled in engine case. Also checks the amount of gear lash on aftermarket gear driven cams for Twin Cam engines. By using a JIMS tire rotator ZPN 753615 you can remove most all of the stress being applied to the flywheel by not rotating the engine with the electric starter motor. Kit contains instructions, indicator plate, required hardware and a 1" dial indicator. Works on 1970 thru 1984 Shovelhead, 1984 thru 1999 Evolution Big Twin and 1999 thru 2017 Twin Cam.

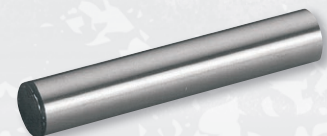
753612 Flywheel trueness inspection gauge



FLYWHEEL END PLAY GAUGE

Screws onto flywheel sprocket shaft to check flywheel end play on Big Twin models. Can also be used for checking main shaft end play on 45CI models.

781098 Flywheel end play gauge (OEM 96700-38)



JIMS ROD ALIGNMENT TOOL

A handy tool for easy checking of rod straightness without removing rods from the case. Available for use on Big Twin, Sportster or Twin Cam 1999 thru 2017.

235799 Fits Big Twin & Sportster models

741910 Fits Twin Cam models



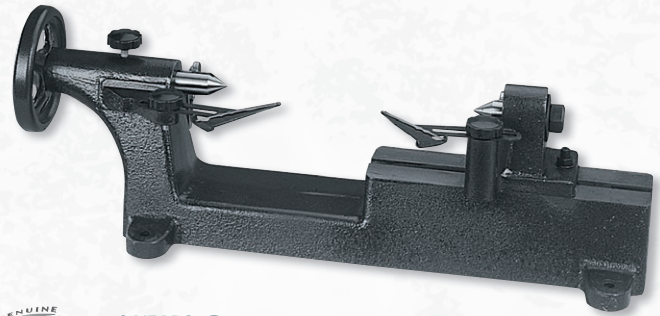
ROD LAPPING TOOL

American made rod lapping tool for precise lapping of Big Twin, Sportster, K models, 45" and Indian connecting rods. Kit includes arbor assembly as well as 1 1/2" and 1 5/8" lap heads. A must for every engine build shop (OEM 96740-36).
235809 Complete rod lapping tool
235811 Replacement lap head 1 5/8"



JIMS FLYWHEEL PULLER FOR INDIAN SCOUT & VICTORY OCTANE

Another essential tool from Jims, this flywheel puller tool will make disassembly of the crankcase on your Indian much easier. Made to match the OEM tool, this will greatly reduce the chances of damaging the crankcase during disassembly. Fits 2015 to present Indian Scout and Victory Octane models.
753643 Jims flywheel puller tool



CRANKSHAFT TRUING STAND

Renewed design truing stand for all Harley-Davidson motors. The best value for money. This LOW PRICED truing stand features: 10" right hand swing, 6" left hand swing and a full 18" center to center capacity. Full 49 kg weight. Unit

is complete with Harley-Davidson type beam indicators, accurate to .002 inches. Usable for all Big Twin and Sportster cranks (OEM 96650-30).

131100 Crankshaft Truing Stand



ROD RACE TOOL

For use on all models connecting rods with replaceable races. Supports both sides of rod, when races are removed or replaced, minimizing the possibility of distortion to female rod or race.
235801 Rod race tool

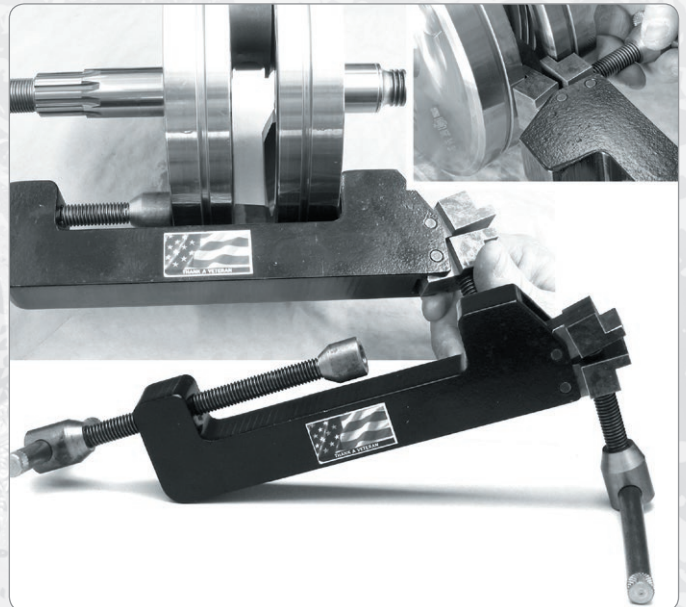


JIMS CRANKSHAFT BEARING REMOVER AND INSTALLER FOR TWIN CAM

This quality tool is designed and made by Jims to remove and replace the crankcase bearings on Twin Cam engines. Precision made and piloted using Delrin, a non-marring material, to press bearing in and out straight with no damage to the case.

720483 For right side bearing in Twin Cam "A" 1999 thru 2002

750321 For left and right side bearing in Twin Cam "A" 2003 thru 2017 and left side bearing in Twin Cam "B" 2003 thru 2017



JIMS FLYWHEEL TRUING TOOL

With this tool JIMS makes it possible to fine tune the flywheel assemblies. It is easy to use and features both flywheel expander and contractor in one tool. Can

be used on all tapered shaft flywheel assemblies.

750330 Flywheel truing tool



CRANK ASSEMBLY REMOVING TOOL

This tool is a must for any workshop, it presses flywheels from the cases without using a hammer or the need for a big hydraulic press. Just bolt it to your case and use a wrench. Will also press cases apart and break sealant bond. Fits 1955 to present Big Twins. Works on all Panhead, Shovelhead and Evolution Big Twins 1955 thru 1999, 1999 thru 2005 Twin Cam Dyna, 1999 thru 2006 Twin Cam Touring and 2000 thru 2006 Twin Cam Softail. On Twin Cam Softail this tool can only be used for removing the flywheel from the left case.

237337 Crank assembly removing tool



JIMS CRANKSHAFT BEARING TOOL FOR MILWAUKEE EIGHT

Removes the left and right main bearing without damaging the crankcase and provides correct alignment and depth during installation.

753687 Works on 2017 to present Milwaukee Eight engines in Touring and Trike models

01	HELMETS, LUGGAGE, AUDIO & MORE
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JIMS CRANKSHAFT BEARING INSTALLER AND REMOVER FOR TWIN CAM "B" MODELS

Designed to protect expensive engine cases by using a specially designed support block to remove or install cam side crankshaft bearing on Twin Cam models with balance shafts (TC88B). Use Zodiac press fit lube ZPN741905 on case and bearings while installing.

741905 Crankshaft bearing installer & remover



JIMS SPORTSTER SPROCKET SHAFT SEAL INSTALLER

Installs the sprocket shaft seal on 1995-2003 Sportster and 1995-2002 Buell perfectly square and at the proper depth. Use in conjunction with ZPN 753605 installer tool.

753658 Sprocket shaft seal installer tool
753605 Main seal installer tool



SPROCKET SHAFT BEARING PULLER FOR SPORTSTER

With this tool you can easily remove the inner Timken bearing from the sprocket shaft without removing the shaft from the flywheels. Use on Sportster engines from 1957 thru 1976.

239479 Sprocket shaft bearing puller



LEFT CRANKCASE BEARING RACE INSTALLER

Use to install the bearing race in the left crankcase. With this tool you can press in the bearing races straight time after time. Use on Big Twins from 1969 thru 2002 and Sportster models from 1977 thru 2003.

239480 Left crankcase bearing race installer



JIMS SPROCKET SHAFT BEARING & SEAL INSTALLING TOOLS

Designed to give the best control on the torque of bearing pack for checking bearing end play. Torque nut with JIMS tool ZPN 235848 for consistent professional results. The basic sprocket shaft tool works on all Big Twin engines from 1955 thru 1999 and 1999 thru 2005 Twin Cam. To use this tool on 2006 thru 2017 Twin Cams you will also need the ZPN 753619 upgrade kit. Use with ZPN 233199 to install the sprocket shaft oil seal.

235810 Basic sprocket shaft bearing installing tool

753619 Upgrade kit to use ZPN 235810 on 2006 thru 2017 Dyna, 2007 thru 2017 Softail and 2007 thru 2016 Touring

235848 Main shaft sprocket locknut wrench (OEM 94660-37A)



JIMS SPROCKET SHAFT BEARING AND RACE PULLER TOOL

This tool has been designed to remove the flywheel sprocket shaft inner bearing race on all 1955 thru 1999 Big Twin and 1999 thru 2017 Twin Cam. Comes complete with JIMS T-bar and hardware. If heat is needed to remove race see tool ZPN 751111 surface temperature indicator strips.

- Also removes pinion shaft inner bearing race on 1954 to present Sportster and air cooled Buell's

- Also to remove press fit transmission gears and bearings from input and output shafts on all V-Rod models 2002 thru 2017

753617 Jims bearing and race puller tool



TIMKEN BEARING REMOVER FOR SPORTSTER MODELS

This tool is used to remove the Timken bearing from the sprocket shaft without removing the shaft from the flywheels. Can be used on all Sportster models from 1977 thru 2003 and Buell models from 1987 thru 2003.

233470 Bearing remover



JIMS SNAP RING INSTALLER & REMOVER TOOL

Exclusively designed by Jims to make installation and removal of Timken outer race snap rings easy and without damaging the case. A must when working on 1990 to present cases without inserts. This tool can be used on all Big Twin models from 1969 to present and comes with instructions.

233154 Snap ring installer & remover tool



TIMKEN BEARING REMOVER FOR BIG TWIN

This tool will remove the sprocket shaft Timken bearing on Big Twin models with a separate sprocket shaft as stock from 1955 thru 1985 and as found in aftermarket flywheels for models from 1955 to present.

235793 Sprocket shaft bearing remover



TIMKEN BEARING REMOVER

This tool will remove the sprocket shaft Timken bearing on 1986 thru 1999 Big Twin and 1999 thru 2002 Twin Cam. A specialized tool that does the job better than anything else on the market.

233478 Sprocket shaft bearing remover



233199 Sprocket shaft seal install tool



JIMS SPROCKET SHAFT BEARING RACE TOOL

Used to remove and install the Timken bearing race in the crankcase. To be used with ZPN237107 Spacer Driver and ZPN235804 Race & Bearing Installation Tool.

721543 Bearing race tool for 1969 thru 1999 Big Twins, including Twin Cam models 1999 thru 2002

721544 Bearing race tool for 1977 thru 2003 Sportster models

237107 Spacer driver tool

235804 Race & bearing installation tool



JIMS TIMKEN CASE BEARING CONVERSION TOOL FOR TWIN CAM

This tool is a must for the big cubic inch late model Twin Cam engine builder. It may also be used to replace bearing for stock 88" or 96" engines. Utilizing the special JIMS precision insert, it is designed to easily and accurately convert the left side crankshaft roller bearing (OEM 24604-00D) to the more durable Timken bearing (OEM 9028). This insert is manufactured from aerospace quality steel that is several times stronger than the aluminum case material the standard bearing rides in. This job can be performed with normal hand tools, a hand drill and a 2 ton press.

Includes:

- A steel bearing insert held to under .0002" total indicator reading.
- A press plate that will hold the bearing insert in line with the case bearing bore at the time it is being pressed into case
- All the necessary drill bits to drill oil feed and return holes, hardware, and detailed instructions

751050 Jims Conversion Tool for use on Twin Cam engines 2003-2017

231501 Crankcase bearing L/H, Timken style (OEM 9028)

760557 S&S crankcase bearing L/H, Timken style (OEM 9028)

781242 V-Twin Mfg. crankcase bearing L/H, Timken style (OEM 9028)



JIMS SPROCKET SHAFT SEAL REMOVER FOR MILWAUKEE EIGHT

The Milwaukee Eight engine has a new crankshaft oil seal that is difficult to remove without potentially damaging the crankcase bore. This unique Jims tool is designed to do the job right and without the chance of damage to crankcase. Simply insert the removal fingers over the sprocket shaft and slide the lock collar over the fingers. Now you can remove the seal square to the bore by simply turning a wrench.

756307 Left main seal remover for Milwaukee Eight Touring, Trike & Softail



MILWAUKEE EIGHT SPROCKET SHAFT SEAL INSTALLER

Allows for a perfect installation without removal of the alternator stator including bottoming out when the sprocket shaft seal is in the correct position.

753684 Works on 2017 to present Milwaukee Eight engines in Touring and Trike models



JIMS PINION BUSHING LINE REAMER TOOL

The finest line reamer available, used to line pinion bushing in cam cover from right case race in 1954 thru 1999 single cam Big Twin and the idler gear bushing on 1957 thru early 1984 Sportster.

235850 Jims pinion bushing line reamer tool (OEM 94805-57)



TIMKEN REPLACEMENT SLEEVE FOR TWIN CAM

These bearing insert kits are designed exclusively for use with Jims tool ZPN751050 and allow installation of a Timken style bearing and matching spacer on the sprocket shaft side of 2003 thru 2017 Twin Cam engines. The insert has been designed to eliminate the center ring normally used between the bearings. The Jims kit includes a bearing sleeve, mounting hardware, thread-locking fluid, and detailed installation instructions. Stevie's European made bearing sleeve comes only with the mounting hardware.

751051 Jims bearing Insert kit, fits 2003-2017 Twin Cam engines

751052 6 Pack of Jims bearing Insert kits

749852 Stevie's bearing Insert kit, fits 2003-2017 Twin Cam engines

231501 Crankcase bearing L/H, Timken style (OEM 9028)

760557 S&S crankcase bearing L/H, Timken style (OEM 9028)

781242 V-Twin Mfg. crankcase bearing L/H, Timken style (OEM 9028)

751050 Jims Conversion Tool for use on Twin Cam engines 2003-2017

Required sprocket shaft spacers

740587 Use in 2003-2006 Touring (OEM 24008-99A)

740492 Use in 2003-2005 Dyna (OEM 24038-99A)

740588 Use in 2003-2006 Softail (24039-01A)

789832 Use in 2006-2017 Dyna, 2007-2017 Softail and 2007-2016 Touring (OEM 11887)



JIMS TWIN CAM CRANKSHAFT GUIDE

This tool will spread the crankcase pinion bearing rollers while re-assembling the right side engine case on to the flywheel assembly of any Twin Cam 1999 thru 2017 and 2003 thru 2010 air cooled Buell.

720534 Jims Twin Cam crankshaft guide



JIMS SPROCKET SHAFT HARD CAP

This hard cap protects the sprocket shaft when working on the engine, must be used when working with our crank assembly removing tool (ZPN237337). Works with all 1955 thru 1999 Big Twin and 1999 thru 2006 Twin Cam, except 2006 Dyna.

233200 Hard end cap



JIMS SPROCKET SHAFT HOLDER

This tool is used to hold the flywheel assembly in vise, with or without left case attached. Can be used on all Big Twin models from 1955 thru 1999 and 1999 thru 2006 Twin Cam except 2006 Dyna. Comes complete with instruction sheet.

234131 Sprocket shaft holder

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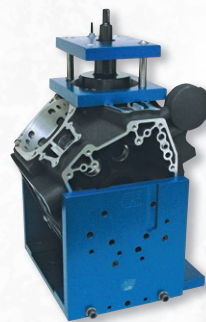
JIMS BALANCER SHAFT RETENTION PINS FOR TWIN CAM "B"

This tool is developed to secure the engine balancers on Twin Cam "B" engines when servicing the flywheel assembly. This tool locks into the balancer's sprocket pin holes to prevent the balancer from turning out of synchronization with the flywheel.

750311 Jims balancer shaft retention pins



756306 Installer tool precisely mounts the balancer bearings in the proper location via case bolt and dowel locations without using a driver or press



JIMS CASE BORING TOOL

An easy to use tool that allow you to bore 2006 Dyna Twin Cam and all 2007 thru 2017 Twin Cam crankcases on a heavy-duty 16" drill press to accept up-to 4 1/8" bore cylinders.

750701 Twin Cam case boring tool



JIMS BALANCER INNER BEARING REMOVER/INSTALLER FOR TWIN CAM B

This Jims tool will accurately, and safely install or remove the inner balancer bearing mounted in the left engine case. This tool is designed for use on both early and late Twin Cam B crankcases and can all be done on a work bench without using an arbor press. Comes complete with instruction sheet.

751085 Jims Twin Cam B balancer inner bearing remover & installer tool



MILWAUKEE EIGHT BALANCER SCISSOR GEAR TOOL

Used to hold the two halves of the spring loaded balancer gear in alignment before removal for easy installation. Brightly colored to remind you that you have to remove it before sealing the engine case.

753685 Works on 2017 to present Milwaukee Eight engines in Touring and Trike models



JIMS CRANK SHAFT BUSHING TOOL FOR TWIN CAM

This Jims tool will remove and install crankshaft bushings in the support plate on Twin Cam models. Piloted for accurate operation.

720492 Crank shaft bushing tool



JIMS TWIN CAM "B" BALANCER SHAFT ALIGNMENT TOOL

This tool is a must have for maintaining a long life of your balancer drive chains and bearings. When using this tool there is no need for guessing for alignment because it will take all the guess work out of setting up your sprocket and chain alignment on a Twin Cam "B" engine.

750312 Jim's balancer shaft alignment tool



JIMS BREATHER REAMER TOOL FOR 1936-1999 BIG TWIN

Tool will repair a damaged breather hole in 1936 thru 1999 single cam Big Twin motors to use a .030" oversize breather gear (ZPN 760559 or ZPN 760561) without disassembly of the crankcase in less than an hour time.

756304 Complete Jims reamer tool kit for 1936-1999

756305 Replacement reamer only



JIMS BALANCER BEARING TOOLS FOR MILWAUKEE EIGHT

The Milwaukee Eight engine in 2017 to present Touring & Trike and 2018 to present Softail incorporates balancers to reduce vibrations. Incorrect installation of the balancer bearings can cause severe damage to the crankcase or even complete engine failure.

756309 Tool to remove the balancer bearings without damage to the crankcase



JIMS CASE SPLITTER TOOL FOR TWIN CAM

Use this tool to "break" the case sealant by pushing apart both crankcase halves. You just bolt the tool with the supplied hardware to the primary mounting holes. Thread-in the pushing screw by hand and the case will come part and flywheels will be pushed from the left case. No impact tools needed. Works on 2006 Dyna Twin Cam and all Twin Cam 2007 thru 2017.

750698 Jims crankcase splitter tool



JIMS BALANCER SHAFT BEARING REMOVER AND INSTALLER

This tool will pull the bearing from the Twin Cam "B" motor case in one easy smooth motion preventing any damage to the bearing bores. The installing portion of this tool is designed to push on the outer diameter of bearing preventing any damage to the bearing itself or it's bore.

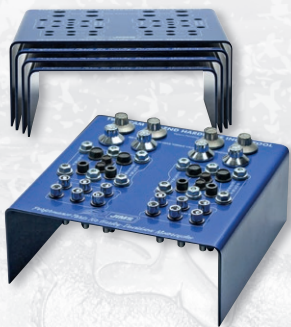
750313 Balancer shaft and bearing remover and installer tool.



JIMS WATER PUMP SEAL INSTALLER FOR INDIAN & VICTORY

The upper and lower water pump seals in the Indian Scout and Victory Octane require a tool for installation. This USA made Jims tool installs them in the proper location and depth.

753644 Jims Victory & Indian water pump seal tool



JIMS HARDWARE ORGANIZERS

These patent pending Jims hardware organizers will guarantee that all hardware is organized during power train teardown, storage, and final assembly. They are great time savers as there are specific stands for top end, cam chest, transmission, and primary. When combined, they all nest within each other taking up very little space and easily fit in a deep drawer of a tool box. When preparing for final assembly, the stands can be turned on their side for easy Loctite preparation. The surface is powder coated in Jims durable blue and includes silkscreened hardware position artwork and, best of all torque specifications.

751118 Cam chest hardware organizer for cam cover, cam support and tappet cover hardware of all 1999 thru 2017 Twin Cam

751119 Primary hardware organizer for inner and outer primary cover hardware on all 1980 thru 1999 Big Twins and 1999 thru 2017 Twin Cam

751120 Top end hardware organizer for top end and rocker cover on 1999 thru 2017 Twin Cam

751121 Transmission hardware organizer for transmission hardware on 2006 Dyna and all 2007 thru 2017 Twin Cam

751122 Complete kit, contains one of each hardware organizers listed above



TWIN CAM ENGINE AND TRANSMISSION PLUG KIT

A handy kit for engine and transmission rebuilders. No more hunting for rags to close the intake or plugs for speedo sensor, tappet bores, oil passages, spigot holes and so on, as this plug kit contains all plugs for all holes in both the engine and transmission when going through the steps of the rebuilding process. A professional solution for eliminating any destructive things from your assembly such as dirt, dust or miscellaneous hardware. Kit includes enough plugs for one Twin Cam A or B engine and transmission.

751129 Use on any Twin Cam engine and transmission from 1999 thru 2017



TOP DEAD CENTER INDICATOR

Top dead center indicators are fitted in the spark plug hole and to be used in conjunction with a degree wheel to accurately locate absolute top dead center. Available to work with either 12mm or 14mm spark plug, degree wheel not included.

721860 Top dead center indicator, 12mm

721861 Top dead center indicator, 14mm



SONIC COMPRESSION TEST DEVICE

The Sonic compression tester features a universal quick connect to easily reach sparkplug ports. A quick and easy way to diagnose worn piston rings, burned valves and bad head gaskets. Comes with a case for easy organization and storage. Includes 40 cm (9.44") flexible hose,

straight and 45 degree bend 13 cm (5.1") connectors and adapters for use in 10, 12, 14 and 18mm spark plug holes. Has 0-300 PSI pressure range and push button pressure release.

745648 Sonic compression test kit



NEW

COMPRESSION TEST TOOL

Semi-professional diagnostic compression test tool includes a pressure gauge 0-20 Bar (0-300 Psi) with a 17 3/4" (45cm) hose and one of each spark plug adapters M10x1.0, M12x1.25, M14x1.25 and M18x1.5. Comes in a sturdy, purpose-built plastic storage box.

754703 Compression test tool kit



JIMS CYLINDER TORQUE PLATES

Jims cylinder torque plates are essential to check cylinder measurements accurately. These torque plates simulate stress conditions when boring and honing and are lasered with the correct torquing sequence and fit both stock and most big bore cylinders.

720486 Cylinder torque plates for 1999-2017 Twin Cam

756308 Cylinder torque plates for 2017 to present Milwaukee Eight



CYLINDER HOLD DOWN NUTS

Set of 2 nuts to hold the cylinders in place when the heads are removed, even when you rotate the crankshaft. Very useful when installing the last cylinder over the piston and rings.

753683 Works on 1999 thru 2017 Twin Cam and 2017 to present Milwaukee Eight



JIMS WRIST PIN BUSHING TOOL FOR TWIN CAM

Use to remove and replace wrist pin bushings in 5 speed Twin Cam motors without removing the connecting rod from the crankcase.

720490 Wrist pin remover & installer

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S&S CYLINDER TORQUE PLATES

S&S cylinder torque plates simulate stress conditions when boring and honing cylinders. Machined from chrome-moly steel. S&S torque plates can be used in conjunction with an S&S boring fixture and a conventional boring bar, and they can be readily adapted to a Sunnen type honing machine. Kits contain a head end plate, base end plate, 4 long grade 8 socket head cap screws to hold the assembly together and to supply pressure, as well as a stop arm that keep the cylinder and plates from turning while honing.

Note: Special torque plates for use with S&S pattern Big Bore cylinders are available upon Special Order.

782477 3 1/2" bore and oversized 1984 thru 1999 Evolution Big Twin and 1986 thru 2003 Evolution Sportster

782478 3.927" thru 4.000" bore Twin Cam

782479 4.125" bore and oversized Twin Cam



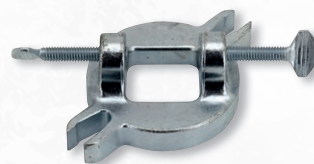
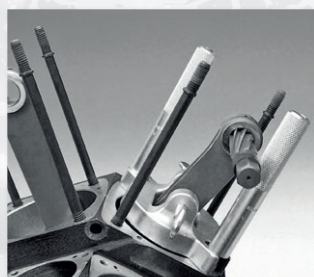
JIMS PISTON PIN BUSHING REAMER TOOL

These Jims piston pin bushing reamer tools can be used with the rods in or out of the motor. Reamers are easy to use with their specially designed lead in taper at the start of each tool. Will ream the piston pin hole to exact tolerances.

711283 For use on single cam Big Twins

711284 For use on Sportster models

711285 For use on 1999 thru 2006 Twin Cam



CONNECTING ROD CLAMPING TOOL

Holds connecting rods with flywheels installed in crankcase while removing and re-installing piston pin bushings. Works on all Flathead, Knucklehead, Panhead and Shovelhead engines.

781097 Connecting rod clamping tool (OEM 95952-33)



PISTON RING TOOL

This is a simple but time saving tool designed for semi-professional use. Just insert the ring ends in the jaws, then expand gently and slip over piston into groove. Wedge jaws handle piston rings ranging in thickness from 3/64" up to 1/4". Also works to remove piston rings without damage.

500413 Piston ring tool



JIMS PISTON PIN BUSHING TOOL

Use to remove and install wrist pin bushings on all Sportster and single Cam Big Twin models, without removing the rods from the crankcase.

237347 Piston pin brushing tool (OEM 95970-32C)



PISTON RING GRINDER

Piston rings in Harley-Davidsons, no matter if they are OEM or aftermarket, must always be checked for correct gap. So this hand operated grinder that allows accurate, perpendicular custom tailoring of piston ring end gap by rotary filing is a must for every serious engine builder.

782149 Piston ring grinder



ROD HOLDER TOOL

Used to keep connecting rods in place and eliminate twisting or bending of the connecting rod while reaming or honing the wrist pin bushings on all Big Twin, Sportster, Buell and Twin Cam models. Works well with ZPN720490 and 237347 wrist pin bushing tools, as well as ZPN711283, 711284, and 711285 Wrist pin bushing reamers.

741909 Rod holder tool



JIMS PISTON RING GROOVE CLEANER

This tool is specially designed to clean up the compression ring slots. It will remove the carbon build-up easily. The tool includes two cleaning spurs with sizes 5/64", 3/32", 1/8", 5/32", 3/16", 1/4", 1.5mm, 1.75mm, 2mm. Can be used on all pistons with 2 3/4" to 5" (70 to 127mm) diameter.

750327 Piston ring groove cleaner



JIMS PISTON SUPPORT PLATE

When installing rings and cylinders the support plate is a big help. The plate will give you a firm flat support to push the bottom of the piston against. This will make it much easier to install the rings and cylinder over the piston. No more turn over or damaging the pistons. Can be used on all H-D style engines.

750328 Piston support plate



JIMS WRIST PIN REMOVER

This Jims tool will cut the time it takes to remove the wrist pins as it can be used easily by one person. No need for another technician to hold the piston while you drift the pin out. Use on Twin Cam or with the adapter on Milwaukee Eight.

720482 Wrist pin remover for Twin Cam

753680 Adapter to use ZPN 720482 on Milwaukee Eight



JIMS PISTON PIN KEEPER TOOL

This tool helps you to install retaining ring in piston in one easy step without distorting ring. For the safest wrist pin retention possible. Useable for Big Twin 1983 to present, Sportster late 1985 to present and Buell 1987 to present.

233149 Piston pin keeper tool

**PISTON RING END GAP TOOL**

Made by Jims USA this tool makes measuring piston ring end gap faster and more accurate. The flanged design allows the piston ring to fit exactly square into the cylinder bore. Jims claims that this is the first tool that is designed to test the oil ring gaps by a proprietary cutout feature. Just install any ring, top, 2nd or oil control rails on the tool and then into the cylinder bore and view the key slot. Use a feeler gauge to get your end gap measured. Each side of the tool is made for checking standard size piston rings.

751100 Use on standard size Twin Cam pistons with 3.875" or 4.000" bore

751101 Use on standard size Twin Cam pistons with 4.125" or 4.310" bore

**JIMS HEAD HOLDER TOOL**

A very handy tool when working on cylinder heads. It holds the head through the spark plug hole and can be clamped in a vise.

239477 Has 12 and 14mm ends to be used on 1948 thru 1999 Big Twin, 1957 to present Sportster and 1999 thru 2017 Twin Cam

753697 Has 10 and 12mm ends to be used in 1986 to present Sportster, 1999 thru 2017 Twin Cam, 2017 to present Milwaukee Eight and 2015 to present Street

**JIMS HEAD BOLT TORQUE GAUGE FOR EVOLUTION ENGINES**

This accurate gauge is made by Jims and allows precise measuring of 90° when tightening head bolts on Twin Cam, Evolution Big Twin, Evolution Sportster and air cooled Buell models. The torquing sequence is lasered on the gauge and it comes with instructions.

233145 Head bolt torque gauge

**JIMS PISTON PIN CLIP REMOVER & INSTALLER**

Jims developed these tools to easily remove and install wire type wrist pin clips without damage to the piston.

750326 Use on OEM 1984 thru 1999 Evolution pistons

753698 Use on OEM 88, 96 and 103CI Twin Cam pistons

753688 Use on 110CI Screamin' Eagle pistons

**ACCEL ENGINE PORT POLISHING KIT**

This kit is designed for use on cast iron and aluminum components. It allows you to do your own detailed porting, polishing, and removal of flashing on all engine parts with the use of an electric drill. The kit contains one tapered cutting stone, one 1" (25.4mm) diameter mini grind-flex flat wheel, 31 assorted sizes grind-polishing rolls, and three various length mandrels.

797068 Accel engine port and polish kit

**JIMS VALVE SPRING COMPRESSOR TOOL**

American made valve spring tool necessary for removing or installing valves. Works on all overhead valve 1936 to present Big Twin models, including Twin Cam and 1986 to present Evolution Sportster models 1986 to present. Must be used in conjunction with an optional collar on 2005 thru 2017 Twin Cam, 2004 to present Sportster & Buell and 2017 to present Milwaukee Eight.

235849 Jims valve spring compressor tool (OEM 96600-36B)

750691 Optional collar for use on 2005 to present Twin Cam models and 2004 to present Sportster & Buell models

753682 Optional collar for use on 2017 to present Milwaukee Eight

**JIMS "ON BIKE" VALVE SPRING COMPRESSOR FOR MILWAUKEE EIGHT**

It has always been necessary to remove the cylinder head from the engine when changing valve springs or valve seals. This tool eliminates this step. Just simply remove the rocker box and rocker arms, and install this tool on the rocker arm shaft. Then fill the cylinder with compressed air and you can easily rotate the tool and compress the top collar of the valve spring exposing the keepers to remove the top collar, valve spring and seal. A true time saver!

756312 Fits Milwaukee Eight models 2017 to present

**JIMS VALVE SEAT LAPPING TOOL**

Use this tool to perform the final profile lapping of the valve seat. The suction cups affix to either dished or flat, and small or large valve faces. The comfortably shaped handle is ideal for quick and smooth rotations.

750316 Valve seat lapping tool

**JIMS MINI VALVE SPRING TESTER**

Jims makes these testers in a hex design for more versatile handling and applications. Can be used in a vise, arbor, or drill press. Cylinder body and piston are manufactured from 2024 aluminum and a steel perch to provide years of service. Includes instructions. Protective rubber gauge boot reduces shock to gauge during handling and use. Scale runs from 0-1000 PSI.

751093 Jims mini valve spring tester

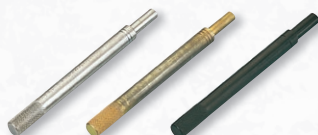
**JIMS COMPRESSION RELEASE VALVE TOOL KIT**

For proper installation of compression release valves ZPN750300 or ZPN741345 in Twin Cam cylinder heads, this tool kit is strongly recommended. It will guide you in drilling the right holes (depth/diameter) in the right position. Kit comes including instruction sheet.

750314 Compression release valve tool kit

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JIMS VALVE GUIDE DRIVER TOOL SET
Valve guide tool set for simple removal and installation of valve guides. Made from outstanding materials to insure a life time use.
235893 Jims valve guide driver tool set



VALVE GUIDE AND SEAL TOOL FOR EVOLUTION ENGINES
Time saving, American made, tools for proper installation of shoulderless valve guides and valve guide seals in Evolution Big Twin 1984 thru 1999, Twin Cam 1999 thru 2004 and Evolution Sportster 1986 thru 2003. The tool handle is used to remove the shoulderless guides as well as a driver for both valve guide and valve guide seal tool.
235790 Valve guide drive tool
235791 Valve guide mounting tool (Use with ZPN235790)
235792 Valve guide seal mounting tool (Use with ZPN235790)

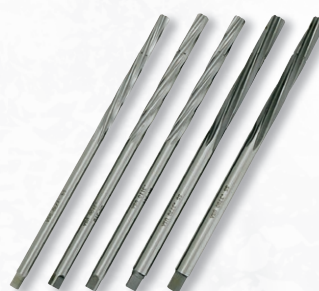
- 756325** Red installer for 1986 thru 2003 Evolution Sportster, Evolution Big Twin and 1999 thru 2004 Twin Cam
- 756326** Blue installer for 1340 Shovelhead
- 756327** White installer for Ironhead Sportster
- 756328** Black, for Panhead and 1200 Shovelhead



AV&V SOLID CARBIDE VALVE GUIDE REAMERS
Tired of loosing your time honing and fitting valve guides? Here is why AV&V reamers are now used by the top cylinder head shops in the industry. Designed by AV&V for use with manganese bronze material, these special reamers feature a unique design and a longer pilot for a perfect alignment with the valve guide while reaming. You will ream a valve guide to exact dimension without any taper in 4 to 5 seconds only. Guides will last longer than with the honing method because there is no crosshatch left after reaming. One size allows you to fit both intake & exhaust if you use AV&V valves & guides. **Note:** These reamers are for Manganese bronze only, do not use with cast iron guides.
749033 6mm for V-Rod & Milwaukee Eight
749035 7mm for Sportster and Twin Cam (actually 7mm +.001" = .2766")
749036 .3110" for Evolution Sportster, Big Twin and Twin Cam
749037 .3115" for Evolution Sportster, Big Twin and Twin Cam
749038 .3120" for all AV&V valves in Evolution Sportster, Big Twin and Twin Cam
749041 .3777" for Panhead and Shovelhead
749042 .3782" for all AV&V valves in Panhead and Shovelhead



ROCKER BUSHING REAMER TOOL
American made tool to ream newly installed rocker bushings in line with each other. For use on 1966 thru 1999 Big Twin, 1999 thru 2017 Twin Cam and 1957 to present Sportster (OEM 94804-57).
235794 Rocker bushing reamer tool



KIBBLEWHITE VALVE GUIDE REAMERS
Honing and fitting valve guides is a difficult and time-consuming job. With these Kibblewhite reamers you will ream a valve guide to exact dimension without any taper in 4 to 5 seconds only. Guides will last longer than with the honing method because there is no crosshatch left after reaming. One size allows you to fit both intake & exhaust if you use Kibblewhite valves & guides. These reamers are for Manganese bronze only, do not use with cast iron guides.

Matching valve guide reamers, only for use with Manganese Bronze guides
756380 .2770"
756381 .3100"
756382 .3110"
756383 .3770"
756384 .3780"



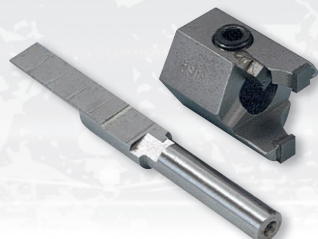
BALL HONES FOR MANGANESE BRONZE & CAST IRON VALVE GUIDES
These Silicon Carbide composite hones are ideal for finishing reamed valve guides and cleaning up used guides. Using a ball hone after reaming creates a uniform surface free of irregularities, which improves surface contact and reduces the risk of galling or seizure. Not suitable for C630 Bronze or Ampco-45 valve guides.
729564 6.0mm valve guide hone
729565 7mm valve guide hone
729566 5/16" (.3125") valve guide hone
729567 3/8" (.3750") valve guide hone



JIMS ROCKER ARM BUSHING INSTALLER
Use this tool to install rocker arm bushings in rocker arms with or without press. This tool will install each bushing to the correct depth for the best oil control. Use the puller ZPN237339 for removing bushings, and ream to size with the line reamer ZPN235794. This rocker arm bushing tool works on 1966-1999 Big Twin, 1999 thru 2017 Twin Cam and 1957 to present Sportster.
235825 Rocker arm bushing installer



VALVE SEAL INSTALLATION TOOL
231393 Installation tool for Sportster 1957-1985 and Big Twin 1980-1984 (white)
231394 Valve seal installation tool Big Twin 1948-1980 and Evolution powered Big Twin 1984-1999, Twin Cam 1999-2004 and Sportster 1984-2003 (black)



VALVE GUIDE MACHINING TOOL
Order a cutter body and cutter body pilot for your application to machine oil seal seats or to shorten valve guides. Works on valve guides that are already installed in the cylinder head.

Cutter bodies
231388 For Big Twin late 1979 thru 1984



Cutter body pilots

231392 For Sportster 1957 thru 1985 (exhaust)

**S&S ROCKER COVER WRENCH SET**

This set is helpful in areas where the motorcycle frame may prevent the use of conventional tools. Kit contains 4 wrenches, suitable for most models.
750030 Rocker wrench set

**JIMS ROCKER BOX ALIGNMENT SCREWS FOR TWIN CAM**

Production tolerances on Twin Cam rocker covers can allow them to shift when being tightened. This can cause misalignment, which not only looks bad but can compromise the sealing surface. And especially in engines with high lift cams having the rocker covers relieved, misaligned covers can cause rocker interference unless extra material has been removed. For these reasons Jims developed these alignment screws, your guarantee that rocker covers are aligned correctly. Comprehensive instructions included.

753607 Jims Twin Cam rocker cover alignment screws

**JIMS PUSHROD COVER CLIP INSTALL AND REMOVAL TOOL**

Why would I need this tool when I have been installing and removing pushrod covers for years with just a screw driver? Made from black delrin, this tool will NOT mar or slip and will install the clip professionally, with just one hand, in seconds! It's a luxury tool that you will appreciate for years to come. Works on all Harley models with clips on the pushrods.

751126 Jims Pushrod cover clip tool

**JIMS DRILL TOOL FOR CAM BUSHINGS**

Special tool for installing and drilling dowel pin hole in cam bushing to the factory location. Tool is supplied with drill number 31.

235798 Big Twin 1970 thru 1999, except Twin Cam

**JIMS PINION BUSHING DRILL TOOL FOR BIG TWIN**

Special tool for installing and drilling dowel pin hole in the pinion bushing to factory location on Big Twin motors from 1954 thru 1992. Tool is supplied with drill number #31.

235797 For use on 1954 thru 1992 Big Twins

**ROCKER ARM BUSHING & ROLLER BEARING PULLER**

Use to pull out the rocker arm bushing or roller bearing on 1957 to present Sportster, 1966 thru 1999 Big Twin and 1999 thru 2017 Twin Cam (OEM 95760-57).

237339 Rocker arm bushing & roller bearing puller

**JIMS PINION BUSHING PULLER**

Use to remove pinion bushing from cam cover in one easy operation on all Big Twin models from 1954 thru 1999, except Twin Cam.

237346 Jims pinion bushing puller

**JIMS CAM BEARING PULLER FOR BIG TWIN**

For removing the inner cam bearing from a 1958 thru 1999 Big Twin case set without splitting the cases, it also prevents the rollers from falling out while removing.

235787 Jims Cam bearing puller for Big Twin

**JIMS 5-SPEED TWIN CAM INNER CAM BEARING REMOVER**

Bearing remover for 1999 thru 2005 Dyna, 1999 thru 2006 Touring and 2000 thru 2006 Softail. Designed like Jims' popular Evolution cam bearing tool to remove the bearing easily without any damage to the crankcase. This precision built tool will also keep the pin rollers from accidentally falling into the crankcase.

720487 Inner cam bearing remover tool

**JIMS INNER CAM BEARING REMOVER TOOL**

This tool allows you to easily remove the inner cam bearing on Twin Cam models with roller chain driven cams, such as 2006 Dyna and all 2007 thru 2017 Twin Cam.

750696 Inner cam bearing tool

**SPORTSTER CAM BEARING PULLER**

Remove the inner cam bearing on your 1957 thru 1990 Sportster without splitting the cases. This tool easily pulls the bearing from the case, and it also keeps the rollers from coming out during removal. Works on all 4 Speed Sportster models 1957 thru 1990.

237338 Sportster cam bearing puller

**CAM BEARING INSTALL TOOL**

This tool makes it possible to install the cam needle bearing without damaging the bearing on all single cam Big Twin models 1958 thru 1999.

237351 Bearing install tool

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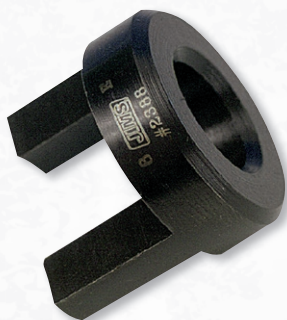
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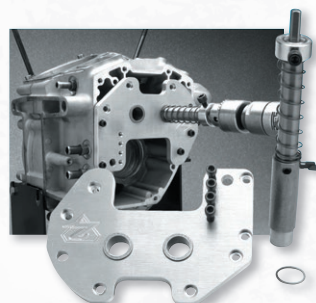
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JIMS TOOL DRIVER SPACER

The effectiveness of any bearing race remover tool is dependent on the ability to grip the race. This spacer applies outward force on the bearing race tool to allow easier removal. Must be used with handle ZPN235804. Works with most Jims bearing race tools, such as ZPN233171, 237351 and 235921.

237107 Spacer driver tool



750317 Single spindle Twin Cam cam relief tool

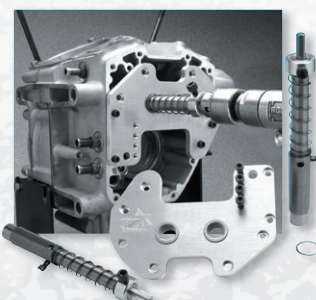


SINGLE CAM RELIEF TOOL FOR BIG TWIN ENGINES BY ZIPPER'S

The ultimate tool when installing High lift cams in Big Twin motors. With this cutting tool you can provide clearance for the cam's rear intake lobe by removing material from the engine case, a necessity when installing almost any aftermarket cam. It provides an easy and professional way to machine the engine case, even with the engine installed in the frame. It may also be used when assembling an engine from scratch, thereby eliminating the need to set-up the case half on a milling machine.

232057 Cam relief tool

232089 Cam tool cutter bit



750318 Dual spindle Twin Cam cam relief tool



CAM BUSHING REAMER FOR EARLY SPORTSTER

Quality tool to ream the #1, #3 and #4 cam cover bushings on K, KH and Sportster models 1952 thru 1990.

782480 Cam bushing reamer (OEM 94803-52)



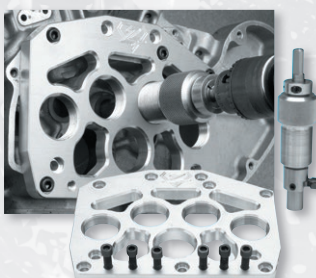
TAPPET BLOCK CLEARANCING CUTTER

Made by Jims in the USA, this tool is used to clearance tappet blocks for high-lift cams. Tool will remove only the material needed to allow the tappet roller to clear the tappet block. Professional results in a manner of minutes. Can be used with 1984 thru 1999 Evolution Big Twins and 1986 thru 1990 Sportster engines, including aftermarket and S&S engines.

750323 Tappet block clearancing cutter



750319 Cam relief tool for Evolution Big Twin style engines



750320 Cam relief tool for 1991 to present Sportster and 1995 to present Buell



JIMS PINION GEAR PULLER FOR BIG TWIN & SPORTSTER MODELS

Precision machined tool, used to remove pinion gear of all Big Twin and Sportster models. This tool also installs the pinion gear on 1951 thru 1955 Big Twin and all Sportster models, collar included.

237349 Pinion gear puller (OEM 96830-51)



JIMS SPROCKET SHAFT BEARING AND RACE PULLER TOOL

This tool has been designed to remove the flywheel sprocket shaft inner bearing race on all 1955 thru 1999 Big Twin and 1999 thru 2017 Twin Cam. Comes complete with JIMS T-bar and hardware. If heat is needed to remove race see tool ZPN 751111 surface temperature indicator strips.

- Also removes pinion shaft inner bearing race on 1954 to present Sportster and air cooled Buell's
- Also to remove press fit transmission gears and bearings from input and output shafts on all V-Rod models 2002 thru 2017

753617 Jims bearing and race puller tool



CAM GEAR REMOVER

Use to safely remove the cam gear from the camshaft on all single cam Big Twin models 1939 thru 1999. This precision tool acts as a stable base keeping the camshaft perfectly straight for easy removal. A 3/8" ball bearing is included to protect the

**JIMS CAM GEAR ALIGNMENT TOOL**

Another high precision tool from Jims. Designed to index the cam gear's position while removing or installing the cam gear on cam shafts used in 1970 thru 1999 single cam Big Twins. When the cam gear is removed, the gear can be repositioned to another camshaft in exactly the same spot. It is also possible to press the gear on in the advanced or retarded position. Easy to use, time saving and accurate. Use ZPN741904 to remove.

721540 Cam gear alignment tool 1970 thru 1999 single cam Big Twins

**JIMS PINION GEAR LOCK TOOL**

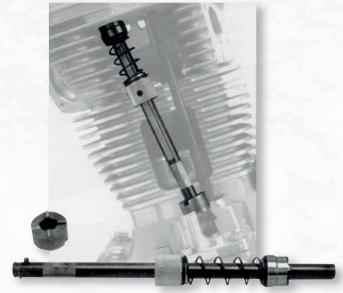
Use to lock pinion gear, necessary to torque the pinion nut. Tool is simple to use, just align underneath gear and screw into case. Use ZPN234994 to tighten pinion nut.

239475 Jims pinion gear lock tool for 1936 thru 1999 single cam Big Twin

**JIMS CAM SEAL REMOVER AND INSTALLER TOOL**

This tool is the first on the market to remove and install the cam seal on 1970 thru 1984 Shovelhead and 1984 thru 1999 Evolution Big Twins without removing the cam cover. Tool can also be used to remove the cam cover from the crankcase. Does NOT work on Twin Cam models.

235994 Cam seal remover & installer tool

**JIMS PUSHROD COVER SEAL SEAT CUTTER**

Use to correct any misalignment with pushrod cover O-ring seats when pushrod covers refuse to seal. Works with Evolution Big Twins 1984 thru 1999 and Sportster 1986 thru 1990. Instructions included.

750322 Pushrod cover seal seat cutter

**CAM COVER HOLDING TOOL**

This handy fixture is easily mounted in a vise, and is used when installing or removing the cam cover bushings on Shovelhead and Evolution Big Twins 1970 thru 1999. It holds the cam cover in a flat position and keeps it from being scratched (not Twin Cam).

721539 Cam cover holding tool for Big Twin 1970 thru 1999

**JIMS INNER CAM BEARING INSTALLER TOOLS FOR ALL TWIN CAMS**

This tool is used to install the two inner cam needle bearings on all Twin Cam engines. It perfectly aligns to the shaft bores for a precision press fit. Designed to press from the letter side of the inner cam bearing to eliminate any damage to the bearing, cam or case. Will set bearings .023" to .028" (0.58mm to 0.071mm) below case surface.

751094 Inner cam bearing installer tool

**JIMS CAM BEARING & BUSHING ALIGNMENT TOOL**

Use to check the alignment of the cam bearing to the cam cover bushing to well within .0003" of center line. Any binding of this tool indicates misalignment of cam cover, and or bushing. A must for engine builders. Use on Big Twins from 1970 thru 1999.

239481 Bearing & Bushing Alignment tool

**TAPPET ADJUSTING GAUGE**

A simple quality tool for checking and adjusting hydraulic tappets without removing them. Measures the clearance between the lifter and the pushrod. Works with all Big Twins 1953 thru 1984, except Evolution models (OEM 94438-79).

133019 Tappet adjusting gauge

**JIMS TAPPET ADJUSTMENT TOOL**

This patent pending hand tool simplifies the way to verify proper tappet adjustment. After adjusting the tappet, simply insert the tip of this tool under the hydraulic unit retaining clip, above the pushrod seat. In fact it is a "Go-or-no-go gauge", if the tip doesn't fit between the clip and the pushrod seat or when there is up and down end play, then the tappet is out of adjustment. Only when the tip fits nicely with no end play then the tappet is adjusted properly. Works on all hydraulic tappets except Jims Hydrosolids or hydraulic tappet with travel limiters installed.

751117 Jims tappet adjustment tool

**JIMS INNER CAM BEARING INSTALLATION TOOL**

This tool installs the inner cam bearing to the proper depth. Can be used on all single cam Big Twin engines from 1958 thru 1999.

239476 Jims inner cam bearing installation tool

**MILWAUKEE EIGHT CAMSHAFT BEARING TOOL**

Precision tool for installation or removal of the camshaft bearing. Holds tighter tolerances and simply works easier than the OEM tool. Features a new removal hole that also works as a window to let you see what you are doing.

753681 Works on 2017 to present Milwaukee Eight engines in Touring, Softail & Trike

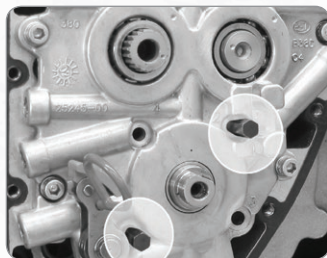
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JIMS TAPPET POSITION HOLDING TOOL

Expert technicians know that keeping the same parts operating in their original position and direction is a good idea. This is especially true with the tappets in Harley-Davidson engines. Whenever the tappets are removed the Jims holding tool allows the tappets and anti-rotation pins to be safely and accurately stored for proper reinstallation. Tappet locations are clearly referenced on the tool, which also serves to protect the tappets from damage when removed from the engine.

753633 Works on all 1999 thru 2017 Twin Cam, 2017 to present Milwaukee Eight, 2000 to present Sportster and 2000 thru 2010 air cooled Buells



TAPPET BLOCK AND OIL PUMP ALIGNMENT TOOL

Alignment tool to ensure that the tappet tracks on centerline of cam lobe on 1977 to present Big Twins. Must be used whenever one of the tappet blocks is removed. Use two of these alignment tools on 1999 thru 2017 Twin Cams to align the oil pump to cam support plate. Helps reduce oil scavenging problems associated with oil pump misalignment. (OEM 33443-84).

131110 Eco Line alignment tool

237039 S&S USA made alignment tool (S&S 530-0014)



235868 Jims USA made alignment tool



JIMS VACUUM TAPPET PUMP-UP TOOL

The technology from the Jims Vacuum Brake Bleeding tool has found its way to servicing the hydraulic tappets on Evolution and Twin Cam engines. A special vacuum jar can hold up to 4 hydraulic lifters in a convenient tray. Once vacuum is applied, bubbles can be seen escaping from the lifters until they are completely bled. No more abuse of the starting system to pump up the lifters and no risk of damage to the valve train by running the engine when the lifters have not been fully bled. Tool takes the hydraulic tappets used on Evolution and Twin Cam engines, as well as many other tappets with similar size and diameter. The Mityvac vacuum hand pump must be ordered separately but also be used for a various other applications such as brake bleeding, fluid transfers and vacuum diagnostics.

753649 Vacuum tappet Pump Up tool

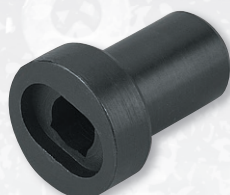
751136 Mityvac vacuum hand pump



TAPPET GUIDE PULLER FOR SPORTSTER MODELS

Removes press-fit tappet guides from the crankcase after tappet body adjusting screw is removed. Fits Sportster models from 1957 thru 1978 (OEM 95724-57).

235806 Tappet guide puller for sportster models



PINION NUT SOCKET TOOL

This tool is used to remove or install the pinion shaft cam gear nut in all Big Twin models from 1955 thru 1992 (OEM 94555-55).

234994 Pinion nut socket tool



JIMS TAPPET PUMP AND TEST STAND

This JIMS tappet pump and test tool allows you to test hydraulic tappets before assembling the valve train. By using pressurized oil, this unique tool allows you to fill the tappet with oil, while "feeling" the fitment of the hydraulic unit. You can easily diagnose loose or "spongy" tappets that could eventually lead to bleed down issues, or "sticky" tappets that won't pump up due to poor hydraulic unit fitment. Whether you simply change cams every once in a while, or you are an experienced engine builder, this tool will allow you to complete the final assembly of your cam chest and valve train with confidence knowing your tappets are pumped up, pass test and ready for action. Works with tappets for 1999 thru 2017 Twin Cams and 2017 to present Milwaukee Eight. A sleeve adapter to use the Jims test stand with 1984 thru 1999 Evolution Big Twin and 1986 thru 1990 Evolution Sportster tappets is available separately.

753678 Jims Tappet pump and test stand

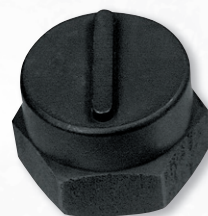
753679 Adapter sleeve for Evolution tappets



JIMS PINION GEAR NUT SOCKET 1954-1989 BIG TWIN

Use this tool to remove or secure pinion gear nut to pinion gear shaft. Tool has 1/2" drive and can be used with the pinion gear locker tool (ZPN239475) as shown elsewhere in this catalog (OEM 94555-55A).

235780 Pinion gear nut socket



JIMS TAPPET OIL FILTER SCREW PLUG TOOL

How easy can it get. Use this simple tool to remove tappet oil filter screen without removing your exhaust pipes.

Note: Only works with slotted screw.

236220 Tappet Oil filter screw plug tool



CAM GEAR SIZE MEASUREMENT PINS

These cam gear size measurement pins have to be used when measuring the sizes of your cam gears. Measurement should be done over the pins (as shown on photo). Installing the right cam gear will reduce noise. Gear size measurements (over pins) are listed in the 1990 Harley-Davidson workshop manual using .108" pins instead of .105" pins (as for earlier years).

232604 Cam gear size measurement pins .108" diameter

232605 Cam gear size measurement pins .105" diameter



JIMS CASE SAVER OVERSIZE TAPPET REAMER FOR TWIN CAM & MILWAUKEE EIGHT

This new tool can be a case saver if you have worn out or damaged tappet bores in your engine case. This reamer tool is designed to ream the case to fit +.010" oversize Twin Cam & Milwaukee Eight tappets.

751086 Jims +.010" case saver tappet reamer for Twin Cam 1999 thru 2017 and Milwaukee Eight 2017 to present



JIMS CAM SHAFT REMOVER AND INSTALLER TOOL FOR TWIN CAM

This multi-functional tool will remove and replace front and rear camshafts and the ball bearings in Twin Cam motors. It provides the precision alignment of the camshaft to insure a smooth press in and out of the support plate.

720485 Camshaft remover & installer



CAM CHAIN TENSIONER TOOL FOR TWIN CAM

This tool saves a load of time on 1999 thru 2017 Twin Cam models with spring loaded cam chain tensioners.

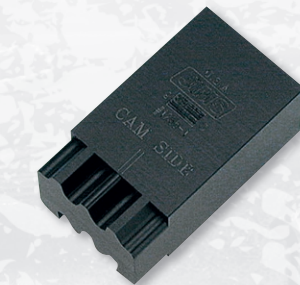
782146 Twin Cam chain shoe tool



JIMS CAM ASSEMBLY TOOL FOR ROLLER CHAIN DRIVE TWIN CAM

This tool is made from non-marring material to allow you to install camshafts in 2006 Dyna models and all 2007 thru 2017 Twin Cam models without damaging any of the cams' surfaces. It holds both cams in a position so you can lower the cam support plate over both guides and cam journal guides.

750692 Jims cam assembly tool for roller chain drive Twin Cam models

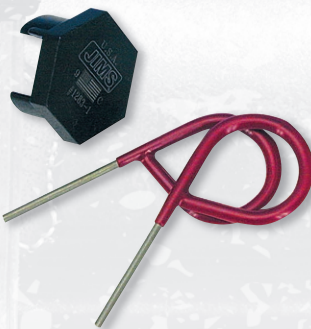


JIMS TWIN CAM CAMSHAFT/ CRANKSHAFT SPROCKET LOCK

This precision tool allows the technician to lock the cam shaft and cam shaft sprockets to properly remove, replace and torque the sprocket bolts. Made from non-marring Delrin. Available for use on Twin Cam with Silent Chain cam drive, and roller chain equipped models, such as FXD 2006 and all Twin Cam models.

720489 Cam/Crank sprocket lock tool

750694 Use on roller chain equipped Twin Cam models



JIMS TWIN CAM CAM CHAIN TENSIONER UNLOADER

This tool will unload the pressure on the primary and secondary cam chain tensioners to assemble and disassemble cams. This tool also checks spring loads on the chain tensioners.

720488 Jims Twin Cam cam chain tensioner tool



JIMS TWIN CAM OUTER CAM BEARING REMOVER

Once the camshafts are removed from the support plate, this specialty tool will remove the bearing from the camshaft. Unlike a general purpose puller this tool was designed to remove the bearing straight with no slipping or binding.

720491 Cam bearing puller



RESEAT TOOL FOR EARLY CAST IRON OIL PUMPS

Tool will facilitate ball burnishing of the relief valve seat on cast iron oil pumps as on 1936-1952 45CI (W-models), 1936-1964 45CI Servicars (G-models) and 1941-1968 FL's.

789826 Oil pump reseal tool



TWIN CAM PISTON JET TEST STAND

Do not let malfunctioning piston jets cause engines to sump or overheat, test them before you install them. Located deep inside the engine cases it is hard to verify whether these piston jets are functioning properly. Not any longer as this Jims piston jet test stand allows engine builders to test them for proper operation before installing them. The unit operates on both compressed air, and air over oil. When operating with air only, verification of proper flow through the piston jet can be witnessed. In the air over oil mode you can not only check for proper operation, but also physically see the oil spray pattern emanating from the jet. By adjusting the air regulator on the unit, mechanics are able to determine at what pressure the piston jet turns on and off. An additional benefit of the piston jet test stand is the ability to clear assembly lube from the jet's narrow oil passage.

753677 Jims piston jet stand



DRILLING JIG OIL PASSAGE

This crankcase oil passage drilling jig is used to perform crankcase drilling modifications when installing an S&S and other late oil pump assembly on early Big Twin crankcases. Made of steel and heat treated file hard for durability, this fixture enables the builder to do four modifications:

- Drill the primary oil supply passage from the breather valve gear cavity to the back side of the oil pump body on late generator and early alternator cases.
- Drill the pressure relief passage from behind the main oil pressure valve to the gear cavity on alternator cases.
- Drill the crankshaft and main bearings supply passage on generator cases.
- Drill the crankshaft and main bearings supply passage on early alternator cases
- This tool is a must for all workshops, engine builders and High Performance shops.

234930 Drilling jig oil passage



JIMS OIL PUMP SEAL INSTALLER

Easily install oil pump seal perfectly below gear surface for a no leak fit. This installer can be used on all aluminum Big Twin pumps.

236218 Jims oil pump seal installer

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JIMS OIL PUMP SNAP RING INSTALLER

This tool will help you to easily install the outer snap ring on all Big Twin oil pump shafts, without "over-stretching" the ring. Just apply oil to the ring expander, hold up to the end of the shaft, then push ring onto the shaft with sleeve.

236219 Oil pump snap ring installer



OIL FILTER SOCKET WRENCH

This 3" oil filter socket wrench works to install and remove most OEM and aftermarket 3" oil filter cartridges as well as our Spin-On replacement oil filter & oil cooler combinations. Not suitable for S&S oil filters.

743140 3" Oil filter socket wrench, made by Midlock

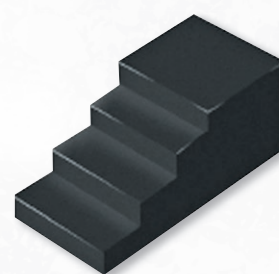
120106 3" Oil filter socket wrench with cut out for Crank Position Sensor, Genuine Zodiac



JIMS OIL FILTER CUTTER

Troubleshooting the oil management system requires looking into the oil filter. Use this tool to inspect for any damaging particles that may be trapped in the filter. This tool locks down the filter for a clean cut around the filter base by rotating the filter. Use this tool in combination with the oil filter cutting stand ZPN751079. Will fit oil filters up to 5 1/2" diameter.

751080 Oil filter cutter



JIMS PRIMARY DRIVE LOCKING TOOL

Tool made by Jims from non-marring Delrin to lock front primary chain and motor sprocket. Can be used on all primaries, except 2006 and later Dyna models, 2007 and later FLH/FLT series models and 2007 and later Softail models.

750331 Primary Drive Locking Tool



JIMS ENGINE DIPSTICK SOCKET

Tired of burning his hand while checking the oil level on Touring and Dyna models, Gary Smith developed this engine dipstick socket for Jims. This ingenious and patented tool allows both riders and mechanics to remove the engine oil level dipstick quickly and safely. This tool not only protects your hands from the heat, but aids riders with limited hand strength in easily checking their oil level. Features include a square hole for 3/8" ratchet fitment, 7/8" hex for wrench fitment, and a cutout for clearance around the exhaust pipe. Made of heat resistant and non-marring Delrin, ensuring strength and durability. Designed for use with the stock dipstick, not guaranteed to work with aftermarket dipsticks.

751127 Dipstick socket tool for 2007 thru 2016 Touring and 2006 thru 2017 Dyna



OIL FILTER SOCKET WRENCH FOR S&S OIL FILTERS

This oil filter socket wrench works to install and remove S&S oil filter cartridges. Not suitable for OEM, Zodiac and most other aftermarket oil filters.

743190 Oil filter socket wrench, made by Midlock



JIMS OIL FILTER CUTTING STAND

This stand makes the task of cutting open your oil filter easy. Prevents the slippery filter drop out of your hands while trying to cut it open. The stand can be mounted to a bench or used in a vice. The u-bolt quickly tightens the filter in place with the wing nuts provided. This tool should be used in combination with oil filter cutter ZPN751080. Fits all common OEM and aftermarket spin-on filters.

751079 Oil filter cutting stand



JIMS PRIMARY LOCKING BAR FOR SPORTSTER

This tool locks the primary drive on Sportster models to facilitate crankshaft sprocket nut removal and installation, along with clutch servicing. By shifting the transmission into top gear (direct drive) allows for removal, installation and accurate torque when tightening the final drive front sprocket nut. Fits all 2004 to present XL1200 and HD International Export (HDI) XL 883 models.

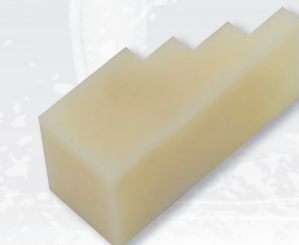
753641 Primary locking bar



SLIM-JIMS OIL FILTER WRENCH

The new Slim-JIMS Oil Filter Wrench is the slimmest on the market. Its exclusive design makes it much easier to navigate near the oil cooler and the crank position sensor, and allows for more room to work around the exhaust pipes, frame, hoses and brackets. It incorporates a 3/8" square drive and guarantees a good grip on spin-on oil filters with a 14-flute end. The Slim-JIMS Oil Filter Wrench is manufactured in the USA. Not suitable for S&S oil filters.

751109 Jims Slim Jims oil filter wrench



ZODIACS PRIMARY DRIVE LOCKING TOOL

Tool locks front primary chain and motor sprocket for all 45CI, Sportster, Flathead, Knucklehead, Panhead, Shovelhead, Evolution Big Twin and Twin Cam, except 2006 and later Dyna, 2007 and later Touring and 2007 and later Softail.

210077 Primary Drive Locking Tool



JIMS COMPENSATOR BOLT TORX SOCKET FOR TOURING

Since 2014, all Twin Cam models have had a change to the compensating sprocket retaining fastener to an internal drive, very large Torx-type bolt. The socket for this bolt can be difficult to find and is usually not included with tool boxes. Often it can only be purchased in an expensive set, hence we now offer it as a affordable, individually sold tool. Fits 2014 thru 2017 Twin Cam & 2017 to present Milwaukee Eight.

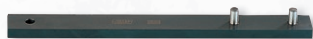
753650 Compensator bolt Torx socket



JIMS PRIMARY CHAIN LOCKING TOOL

Use to lock the clutch hub sprocket to the front engine sprocket to make it easier to remove, install or re-torque engine and clutch nuts on 2006 thru 2017 Dyna and 2007 thru 2017 Softail.

750700 Primary chain locking tool



COMPENSATING SPROCKET WRENCH
USA made compensating sprocket shaft nut wrench. Fits Big Twin models from 1955 thru early 1970 and Sportster models from 1957 thru 1976 (OEM 94557-55A).
235805 Compensating sprocket wrench



JIMS INNER PRIMARY COVER BEARING AND SEAL TOOL

Designed to safely remove and install the inner primary bearing without any damage to the new bearing. This is done by pushing on the outer perimeter of the bearing. Also removes and installs inner primary seal. Those who already have the ZPN 753620 tool can order the two drivers for the 2006-up models separately.

753620 For use on Softail late 1984 to present, FXR 1985 thru 1994, Dyna 1991 to present and Touring 1985 to present

753634 Driver #4 for 2006 thru 2007 Dyna, 2007 Softail and 2007 Touring

753635 Driver #5 for 2008 to present Twin Cam



JIMS OUTER PRIMARY COVER STARTER BEARING REMOVER TOOL

Very user-friendly tool to extract the starter bearing from the outer primary cover. Bearing can easily be removed, even if the cover has been chromed with bearing installed. Works on all Big Twins 1965 thru 1988 that use needle bearing OEM 9063 for the starter shaft. This tool will also remove the countershaft gear bearing (OEM 35961-52) used on Big Twins 1952 thru 1990 as well as 4 speed Sportster clutch gear.

750329 Outer primary cover starter bearing remover tool



SPORTSTER PRIMARY COVER INSPECTION PLUG TOOL

Designed to remove or install the OEM style primary cover clutch adjusters access plug and filler plug without distorting the plug's slot. Works on all 1954 thru 1990 Sportster and on K-models with aluminum primary covers.
741954 Colony XL primary inspection plug tool



PRIMO CLUTCH HUB PULLER & TOOL FOR PRO-CLUTCH & PRIMO BELT DRIVES

The clutch hub puller is manufactured from billet aluminum for durability. This unique puller attaches directly to the clutch hub studs. Turning the threaded center bolt puts pressure on the transmission main shaft and pulls the clutch hub off. This puller makes Pro-Clutch maintenance easy. The clutch hub tool engages and holds clutch hub splines to allow correct torque specifications to be applied to the clutch hub nut (left-hand thread) when installing a Pro-Clutch or Primo belt drive. Also holds clutch hub for dis-assembling. For use on all Big Twins with Pro Clutch or any Primo diaphragm spring operated primary belt drive system.

700528 Primo clutch hub puller (shown)

761013 Clutch hub tool



JIMS CLUTCH HUB PULLER

This American made Clutch hub puller is used to remove wet and dry clutch hub without removing clutch release rod. A must for Big Twin owners from 1936 thru 1990. This puller comes with 4 bolts (OEM 95960-52C).

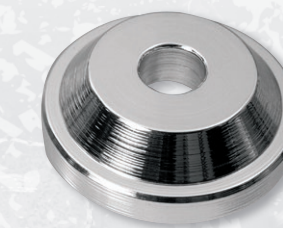
235857 Jims Clutch Hub Puller



SAMWEL CLUTCH HUB NUT TOOL FOR 45CI SIDEVALVE

This handy tool will help you to remove the castle nut from your W, WL, WLA, WLC, WR or G clutch hub. Works on all solo and Servicar 45CI models 1941 thru 1973.

780085 Clutch hub nut tool (OEM 12745-41 & 94645-41)



BARNETT CLUTCH TOOL

The clutch removal tool for Big Twin allows removal of clutch pressure plate, springs and spring retainer as one unit. Unique self-centering design, polished and chrome plated.

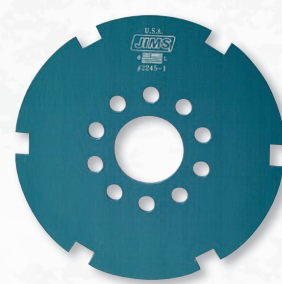
236473 Clutch removal tool for Big Twin 1941 thru 1984



"TAPER SHAFT" CLUTCH HUB REMOVAL TOOL

Simply mount the tool on the left hand threads of the transmission main shaft, and give the end of the tool a sharp tap with a medium weight hammer and the clutch hub simply "pops" off. Works with all taper shaft clutch hubs as used on 1936-1989 45CI, Sportster & Big Twin.

700542 Clutch hub remover tool



JIMS CLUTCH LOCK PLATE

Locks the clutch shell to the clutch hub on 4 Speed Big Twin models from 1941 thru 1984 when removing or installing the clutch hub nut.

239478 Lock plate



CLUTCH HUB & SPROCKET PULLER

For pulling clutches on all Big Twins and 45CI Side-Valve models, including hubs with 10 studs. Eliminates the need to remove kickstart cover when removing clutch hub. Can also be used to pull motor sprocket on Big Twin and Sportster, Sportster transmission sprocket and the rotor assemblies on 1970 to present Big Twins (OEM 95960-41A).

132107 Clutch Hub & Sprocket puller



CLUTCH HUB PULLER FOR "SCORPION" CLUTCH

Barnett Tool & Engineering developed this clutch hub puller to ease removal of their Scorpion clutches on all Harley and Buell models, except on 1971-1983 Ironhead Sportsters. Made from Billet Aluminum. Comes complete with a 7/16" hex bolt, protection cap and six socket head screws. Easy to use and won't damage your main shaft.

722099 Scorpion clutch hub puller

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GENUINE ZODIAC 2 YEARS WARRANTY

CLUTCH COMPRESSOR TOOL

Removal or installation of the clutch snap ring on 1990 thru 1997 Big Twins and 1991 to present Sportster and air cooled Buell is a breeze with this purpose built compressor tool.

210080 Clutch spring compressor tool for Big Twin & Sportster



JIMS CLUTCH SPRING COMPRESSOR FOR SPORTSTER

American made compressor, to be used for removal and installation of 1971 thru 1984 Sportster clutch parts.

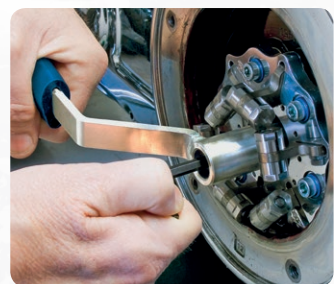
237350 Clutch spring compressor (OEM 97178-71)



BARNETT CLUTCH COMPRESSOR TOOL

USA made, makes it easy to remove and re-install clutch retainer ring on 1990-1997 Big Twin, 1991 to present Sportster and air cooled Buells.

232570 Fits 1990 thru 1997 Big Twins and 1991 to present Sportsters



JIMS ULTIMATE CLUTCH ADJUSTING TOOL

Jims came up with this tool as a real time saver. It allows the technician to quickly and accurately tighten the clutch adjusting screw jam nut without having the screw change position on 1985 thru 1999 Big Twin and 1999 to present Twin Cam. No more guessing or making multiple attempts to lock the nut and adjuster screw in the proper place. Tool includes the proper hex key "Allen" wrench for Harley-Davidson motorcycles which conveniently stores in the tool handle.

753626 Jims Ultimate Clutch Adjusting Tool



JIMS NEW DESIGN CLUTCH SPRING COMPRESSOR TOOL

A late model clutch spring tool that is designed around the human hand. It features additional access windows to ease removal and installation of the snap ring. Works on 1990 thru 1997 Big Twins. Can also be used on 1991 to present Sportster and air cooled Buell models when used in combination with Sportster clutch spring compressor nut ZPN 233155. Also works on 2001 thru 2017 Victory models (except Octane) with adapter ZPN 753647.

235788 Clutch spring compressor tool

233155 Sportster clutch spring compressor nut for use with ZPN 235788

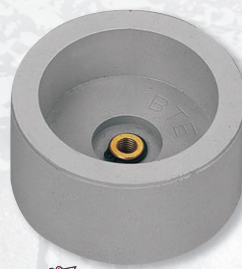


JIMS V-ROD CLUTCH HUB LOCKING TOOL

This tool is made to lock the hub assembly. When removing and installing the clutch hub nut this is the proper way. Available for 2002 to present V-Rods

750332 Clutch hub locking tool 2002 thru 2007

751063 Clutch hub locking tool 2008 to present



BARNETT CLUTCH TOOL FOR 1984-1990 SPORTSTER

USA made, makes it easy to remove and re-install clutch retainer ring on 1984-1990 4-speed Sportster.

232571 Barnett 1984-1990 4-speed Sportster clutch tool



JIMS V-ROD CLUTCH HUB ALIGNMENT TOOL

This handy tool is useful when working on the clutch basket of the V-Rod. It is designed for alignment of the clutch plates during assembly.

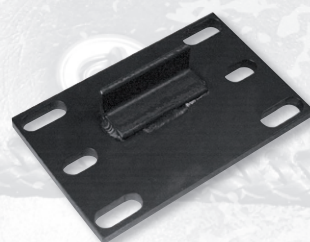
750334 Jims V-Rod clutch hub alignment tool



STARTER JACKSHAFT SEAL INSTALLER TOOL

This tool is designed to easily align and install the starter jackshaft seal ZPN231239 without distorting or damaging the seal. Use on all Evolution Big Twins 1994 thru 1999, Touring models 1999 thru 2006, Softail 2000 thru 2006 and Dyna models 1999 thru 2005.

751062 Starter jackshaft seal installer tool



JIMS BIG TWIN TRANSMISSION STAND

Top quality tool to clamp 4-speed Big Twin and 1985-1999 Softail transmissions in a vise.

235983 Transmission Stand 4+5 speed BigTwin



TRANSMISSION LAPPING TOOL

This transmission lapping tool insures proper fitting of roller bearing, stock or oversize, with transmission mainshaft races. Will lap races on all Big Twin transmissions.

234997 Complete tool (OEM 96710-77)

234998 Replacement lap head 1.870" (OEM 96710-79)



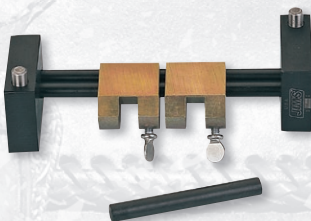
753647 Victory clutch spring adapter for use with ZPN 235788



JIMS CRUISE DRIVE VISE STAND

Jims has developed this stand to assist the assembly of the OEM 6-speed transmission gears and shafts. No more fumbling with parts on the bench or clamping in a vise with soft jaws, This tool holds the shafts in perfect alignment while protecting them from damage.

753622 Works on 2006 to present Dyna and 2007 to present Touring and Softail



SHIFT FORK GAUGES

These American made tools are ideal for setting and aligning shifter forks of 1939 thru 1986 4 Speed Big Twin transmissions.

235807 For use with 1939 thru 1978 transmission (OEM 96384-39)

235808 For use with 1979 thru 1986 transmission (OEM 96385-78A)



JIMS MAIN DRIVE GEAR INSTALLER TOOL FOR 6 SPEED

Tool to install main drive gear with the use of simple handle tools into the transmission case on 2006 Dyna and all 2007 to present Twin Cam models with 6 Speed transmission. Works also with the transmission still in the frame.

750695 Main drive gear installer for late 6-speed



JIMS 4 SPEED MAINSHAFT KICKSTARTER CLUTCH GEAR PULLER

This tool was designed specifically to remove the starter clutch ratchet gear without damage to the gear or shaft. Used on all kick starter equipped 4 Speed Big Twin models from 1936 thru 1986. Easy to use and will not slip of the gear.

233176 Clutch gear pulley



JIMS MAIN SHAFT BEARING RACE TOOL FOR BIG TWINS

American made tool to install or remove the bearing inner race on the transmission main shaft of late 1984 thru 1999 Big Twin and 1999 to present Twin Cam.

235789 Jims main shaft bearing race tool for Big Twins

753651 Replacement puller plate



JIMS SPORTSTER SPROCKET SHAFT SEAL INSTALLER

Installs the sprocket shaft seal on 1995-2003 Sportster and 1995-2002 Buell perfectly square and at the proper depth. Use in conjunction with ZPN 753605 installer tool.

753658 Sprocket shaft seal installer tool

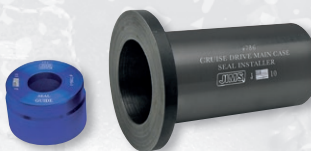
753605 Main seal installer tool



6-SPEED SHIFTER SHAFT SLEEVE REMOVER & INSTALLER TOOL

This tool from Jims allows you to remove and install the shifter shaft sleeve without removing the transmission case from the chassis. It installs the sleeve to the correct depth in the case without error or damage. Works on all Harley Cruise-Drive 6-speed transmissions on 2006 thru 2017 Dyna and 2007 to present Softail and Touring models.

751103 Jims shifter shaft sleeve Tool



JIMS 6 SPEED TRANSMISSION MAIN DRIVE GEAR SEAL INSTALLER

Installing the transmission main drive seal in the 6-speed transmission in 2006 thru 2017 Dyna, 2007 to present Softail and Touring comes very accurate as any pressure on the main drive gear bearing may result in a damaged bearing. This Jims tool installs the seal the correct way and in exactly the correct depth.

753613 Jims 6-speed transmission main drive seal installer



JIMS MAIN DRIVE GEAR BEARING TOOL

Tool to install inner and outer 5th gear bearings to factory depth on Big Twin 5 Speed models 1991 thru 2006, most aftermarket Big Twin 6 Speed transmissions and Sportster and Buell 1991 thru 2005. New bearing depth incorporated, will still work on early depth. Comes with comprehensive instruction sheet.

231461 Main drive gear bearing tool



JIMS CRUISE DRIVE 6-SPEED MAIN DRIVE GEAR REMOVER TOOL

This tool removes the main drive gear from the main bearing correctly while in the transmission case. This eliminates the need of an arbor press and the risk of transmission case damage. Comes complete with instruction sheet-Works on the 6-speed transmission as used in 2006 to present Dyna, 2007 to present Softail and 2007 to present Touring models.

751089 Jims main drive gear remover tool for late 6-speed



JIMS MAIN DRIVE GEAR BEARING & SEAL TOOL FOR 6 SPEED

Tool to install main drive gear bearings and seal with the use of a small 1-ton press on 2006 Dyna and all 2007 to present Twin Cam models with 6 Speed transmission.

750697 Main drive gear bearing & seal tool



JIMS MAIN DRIVE GEAR BEARING TOOL

This tool helps you to safely install a new main transmission case bearing in 2006 Dyna 6 Speed models, as well as all 2007 to present Twin Cam transmissions by using hand tools. The tool will hold the bearing exactly square to its bore, eliminating any marring of the bearing bore. Comes with comprehensive instruction sheet.

750699 Main bearing installer for late 6-speed

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MILWAUKEE EIGHT FIRST SCISSOR GEAR ALIGNMENT TOOL

Essential tool for the installation of the countershaft 1st scissor gear. Install before removal of the scissor gear to maintain alignment of the gear halves, which are under spring pressure. This ensures that the scissor gear teeth mesh correctly with the mainshaft 1st gear.

753689 Works on 2017 to present Milwaukee Eight Touring, Trike and Softail models



JIMS COUNTERSHAFT BEARING REMOVER & INSTALLER

This Jims tool will install the closed end countershaft bearing on all Big Twin and Twin Cam 5-speed, aftermarket 6-speed and 2006 and later Twin Cam "Cruise Drive" 6-speed transmissions without using a press or tapping it in with the transmission counter shaft. A precision hand tool that makes installation of the bearing square and at the correct depth. Comes complete with comprehensive instructions.

753608 Jims countershaft bearing tool



JIMS CRUISE DRIVE 6-SPEED TRAP DOOR BEARING REMOVER/INSTALLER KIT

An other innovative tool from Jims that will accurately install a lubed ball bearing into the transmission trap door. Also removes bearing without error and can be performed on a work bench, no need for an arbor press. Comes complete with instruction sheet-Works on the 6-speed transmission as used in 2006 to present Dyna, 2007 to present Softail and 2007 to present Touring models.

751091 Jims trap door bearing tool for late 6-speed



JIMS TRANSMISSION MAIN DRIVE GEAR SEAL INSTALLER

This Jims tool helps to install and protect the seal with correct alignment and in exactly the correct depth on OEM and aftermarket 5-speed transmissions, as well as in aftermarket 6-speeds.

753623 Jims transmission main drive seal installer



JIMS TRANSMISSION SHIFTER SHAFT SEAL INSTALLER

These tools align, center and install the shifter shaft oil seal at the correct depth in the transmission housing.

753610 [A.] Use in all OEM and aftermarket 5-speed transmissions and aftermarket 6-speeds in 1980 thru 2006 Big Twin and Twin Cam, except 2006 Dyna

753611 [B.] Use on 2006 to present Dyna, 2007 to present Softail and 2007 to present Touring

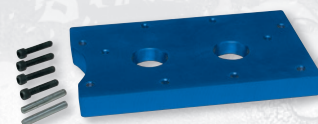


JIMS PINION SHAFT BEARING AND RACE PULLER TOOL

This tool has been designed to remove pinion shaft inner bearing race on 1954 to present Sportster and air cooled Buell's. Comes complete with JIMS T-bar and hardware. If heat is needed to remove race see tool ZPN 751111 surface temperature indicator strips.

- Also removes the flywheel sprocket shaft inner bearing race on all 1955 thru 1999 Big Twin and 1999 thru 2017 Twin Cam
- Also to remove press fit transmission gears and bearings from input and output shafts on all V-Rod models 2002 thru 2017

753617 Jims bearing and race puller tool



JIMS TRANSMISSION DOOR REMOVER TOOL

This handy tool allows you to easily remove the complete trap door with gears and shafts from the transmission housing on 2006 to present Dyna models, as well as all 2007 to present 6-Speed Twin Cam models.

750702 Transmission door puller for 2006 to present Dyna and 2007 to present Twin Cam



JIMS MAIN DRIVE GEAR & BEARING REMOVER/INSTALLER KIT

This is a complete kit for servicing the main drive gear or the main bearing on the transmission. Removes or installs both parts correctly without damaging the case. Comes complete with instruction sheet.

For 5-speed transmissions in 1980-2006 Touring, 1982-2000 FXR, 1985-2006 Softail, & 1991-2005 Dyna

756314 Jims main drive gear & bearing tool for 5-speed Big Twin (OEM 35316-80)

For 6-speed transmissions in 2006-2017 Dyna, 2007 to present Touring & 2007 to present Softail

751090 Jims main drive gear & bearing tool for 6-speed Twin Cam & Milwaukee Eight (OEM HD-35316-C)



JIMS TRAP DOOR PULLER

This handy tool easily removes the trapdoor from 5- and 6-Speed transmissions. This puller pulls the trapdoor with the gears and shafts attached without damaging the door bearing.

721546 Trap door puller for 1980 thru 2006 Big Twin 5 Speed and most aftermarket 6 Speed transmissions



JIMS 5 SPEED TRANSMISSION SHAFT INSTALLER

This tool allows easy installation of transmission shafts, without the need to use an arbor or hydraulic press. Can be used to install the mainshaft as well as the countershaft in 5 Speed and 6 Speed transmissions.

721545 5-speed Transmission shaft installer



JIMS TRANSMISSION DOOR BEARING TOOL

This tool is designed to remove and install the transmission door bearings. With this tool you can also remove the door for replacement without removing the complete transmission assembly. For use on 1980 thru 2006 Big Twins with stock or aftermarket 5- or aftermarket 6 Speed transmissions. Also works on transmissions with larger-than-stock size trapdoor bearings.

751083 Jims trapdoor bearing tool



JIMS SHIFTER MECHANISM SLEEVE TOOL FOR 6-SPEED

This tool will be a real time saver when removing and/or installing the shifter mechanism sleeve in the Cruise Drive 6-speed transmission. No need to disassemble the transmission, simply use this handy tool to remove the old one and later install the new shifter sleeve. Fits all 2006 to present Dyna, and all 2007 to present Softail and Touring.

753638 Shifter mechanism sleeve tool



JIMS TRANSMISSION STUD INSTALLER

This tool is for easy installation of the bottom mounting studs on all rigid mount transmissions. For use on all 1936 thru 1986 4 Speed transmissions, and 1985 thru 1999 5 Speed Softail transmissions.

721547 Transmission stud installer tool



JIMS TRANSMISSION MAIN DRIVE GEAR WRENCH TOOL FOR 6 SPEED MODELS

Wrench tool to remove the 2 1/4" hex nut that secures the final drive pulley on the end of the main drive gear. Fits OEM 6 speed transmission equipped 2006 Dyna's, all 2007 thru 2017 Twin Cam and 2017 to present Milwaukee Eight

750703 Main drive gear wrench tool



JIMS SHIFTER SHAFT REMOVER TOOL

Use this tool to loosen and remove both shifter shafts from the transmission door, allowing further disassembly. Works on 2006 Dyna 6 Speed transmissions, as well as on all Twin Cam 6 Speed transmissions 2007 to present.

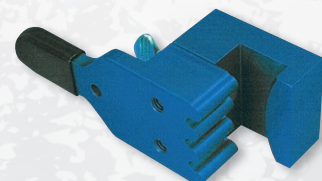
750693 Shifter shaft remover tool



JIMS SPROCKET NUT WRENCH

Genuine Zodiac tool, used to install or remove the 1 7/8" hex nut that secures the final drive sprocket or pulley on the transmission main shaft on all Big Twins from 1936 thru 2006, except 2006 Dyna. Zinc plated finish (OEM 94660-37).

131141 Transmission sprocket nut wrench



JIMS BIG TWIN SPROCKET LOCKER

Another great tool available. This Big Twin sprocket locker is for use on belt driven Big Twin models from 1980 to present and is used to lock the final drive sprocket when removing or installing the sprocket nut, use this locker with our lock nut wrench (ZPN235848).

235842 Sprocket locker



MAIN DRIVE GEAR BUSHING TOOL

Used for replacing and installing main drive gear bushings on all Big Twin models from 1936 thru 1986.

235802 Main drive gear bushing tool



JIMS SHIFTER SHAFT BUSHING TOOL

The gear shifter shaft bushings on 5 and 6 speed Touring models typically have a service life of 20000 miles (32000 KM) or less. Bushing wear results in an annoying rattle from the loose shifter, the linkage parts and accelerated wear of all related parts. Jims has this time-saving tool that easily removes worn bushings and quickly installs the new ones without having to remove the inner primary, saving you both time and costs. Fits all 1985 to present Touring models.

753639 Shifter Shaft Bushing Tool



FRONT FINAL DRIVE BELT SPROCKET TOOL

Designed to lock the transmission belt sprocket for removal and installation of the sprocket nut. Tool is adjustable for 30 thru 34 tooth pulleys.

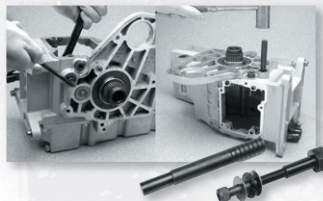
781092 V-Twin Mfg. final drive tool (OEM 41184)



JIMS PULLEY LOCK TOOL FOR SPORTSTER & BUELL

Another Jims quality tool. Use this one to lock the transmission final drive sprocket when removing and installing the sprocket nut. Works on all 1991 to present Sportster and all 1994 thru 2002 Buell with 28 or 29 tooth sprocket.

753606 Jims Sportster pulley lock tool



JIMS SHIFTER SHAFT SLEEVE TOOL

Use to remove and install the shifter shaft sleeve in all 5 speed Big Twin transmissions and most aftermarket 6 Speed transmissions. This tool may be used to remove or install replacement or upgrade shifter shaft sleeve, assembly and drum. Works for Big Twins 1980 thru 1999 as well as Twin Cam 1999 thru 2006, except 2006 Dyna models.

750335 Shifter shaft sleeve tool

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JIMS FINAL DRIVE SPROCKET LOCKNUT WRENCH

Heavy-Duty thick wall tube tool from Jims-USA. Extra long two piece design, inner collar will retain wrench to nut for safer service work. Used to install or remove the 1 7/8" hex nut that secures the final drive sprocket or pulley on the transmission main shaft on all Big Twins from 1936 thru 2006, except 2006 Dyna. Use with 1/2" drive ratchet.

235848 Main shaft sprocket locknut wrench (OEM 94660-37A)



BELT TENSION GAUGE

Designed to aid in properly adjusting secondary drive belt tension.

781093 Belt tension gauge tool (OEM 40006-85)



JIMS SPROCKET NUT SOCKET FOR SPORTSTER & BUELL

This short socket is designed specifically for XL-models to remove, install and properly tighten the front final drive sprocket pulley. Although a similar tool for Big Twins will also fit the nut, the main shaft on Sportster models does not extend through for the guidance collar to ensure correct alignment. This shorter socket tool is easier and safer to handle, providing full contact to the nut. Fits all 1991 to present Sportster and air cooled Buell models.

753637 Jims sprocket socket for Sportster



DRUM BRAKE SPROCKET RIVET TOOL
This 2 piece parkerized sprocket rivet tool set includes one rivet set for heading rivet and one dowel punch to align the rivet, so the sprocket and drum shell fit tightly together. Works on all 1930-1972 Big Twin and 45CI Solo.

789880 Sprocket rivet tool set



JIMS CHAIN PRESS TOOL KIT

Since about 1990 most new chains use press-fit type side plates on the connecting links. With this type of link the side plate can not be installed properly without the aid of this special tool. The chain manufacturers have determined a press-fit adds strength to the connecting link and should always be used. Suitable for 520 and 530 type chains, either standard or O-ring style.

751075 Jims Chain Press Tool kit



JIMS JUMBO CHAIN TOOL

This tool is designed to break roller chains up to 630 series and fits all standard and O-ring chain sizes 520, 530 and 630. The tool rivet chains up to 530. Master link side plate press kit is included to press-fit side plates on chains up to 530. The screws and attachments of the tool are heat treated for strength and durability. The extractor pin is precisely guided by a removable guide ensuring long pin life. The tool may be bolted to a workbench, supported in a vise, or held by handle. When bolted to a solid surface, air or electric wrenches may be used to break chain. This jumbo chain tool is recommended for heavy-duty use. Instructions are included.

751074 Jims Jumbo Chain Tool

745967 Tire pump (OEM 11553-41M)
745968 Set of 2 tire pump clamps (OEM 11557-40M)



KELLERMANN CHAIN TOOL

This chain tool will allow easy removal of a worn chain and precise assembly of a new chain with rivet-style link. No need to remove the swing arm when replacing the drive chain. The tool works with all 520, 525 and 530-series and 630-series chains from multiple brands, including our Tsubaki and Pingel chains. For 420, 425 and 428-series full rivet chains you will need the separately available chain tool extension set. The Kellermann chain tool works with a 3/4" (19mm) ring- or socket wrench.

742070 Kellermann chain tool

742071 Chain tool extension set



THE THIRD HAND CHAIN PULLER TOOL

A simple solution to hold chain halves together when installing the master link in a drive chain. Works with any size motorcycle chain.

361539 Chain puller tool



TSUBAKI CHAIN WEAR MEASURE TOOL

Eliminate any guess-work with this handy chain roller wear measuring tool. Simply put the wrench-side on a chain roller and use the measuring gauge to determine if the chain needs to be replaced. Measure at several points of the chain since these tend to wear unevenly. Replacing the chain in time will often save you from replacing the sprockets too.

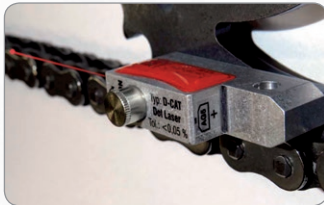
711779 Chain wear measure tool



TIRE PUMP FOR MILITARY 45CI MODELS

An exact copy of the stock tire pump and clamps as found on WLA and WLC models, made by vintage bike parts specialist Samwel Supplies. The tire pump clamps have to be ordered separately.





PROFI PRODUCTS

LASER ASSISTED DRIVE BELT OR DRIVE CHAIN ALIGNMENT TOOL

Whenever you have removed the rear wheel of your motorcycle, you need to re-align the chain or belt. This handy tool really takes the guesswork out of this job. By simply putting the Chain Alignment Tool on your sprocket or pulley, the laser beam indicates if everything is lined up properly. Correct alignment increases the lifetime of your complete drive train, tire, and wheel bearings, reduces fuel consumption and improves road holding. This Class-2 quality laser features a tolerance of less than 0.01mm per meter chain or belt and comes complete with three AG5 batteries. The Chain Alignment Tool is Made in Germany and economically priced—every bike owner should have one in his toolbox. It definitely is a must for professional workshops.

744397 Mark V Laser Drive Line Chain Alignment Tool



PROGRESSIVE suspension

GAUGE-MOUNTED AIR PUMPS

Simple to operate and extremely accurate. These air pumps produce pressure of up to 200 PSI. Ideal for setting the pressure on air forks and air shocks. Pumps have a swivel mounted flexible hose equipped with a no-loss connector that attaches to any standard Schrader valve. The integrated pressure release button allows you to regulate the pressure. Available with a gauge up to 30 psi (2 bar) or 100 psi (6.9 bar).

235438 With 0-30 psi (2 bar) gauge

235459 With 0-100 psi (6.9 bar) gauge



HIGH-PRESSURE HAND PUMP

This only 9" (23cm) long hand operated pump can, despite its small size, pump shocks, forks and tires up to an impressive 300 PSI (20.7 bar). Features a swivel mount 6" (15cm) long and flexible line that is screwed on to your valve, so you have both your hands free to operate the pump. Available with a quick-release detachable black gauge.

420024 With detachable gauge



AIR PUMPS FOR TIRES AND SUSPENSION

Billet aluminum air pumps with a LCD digital gauge that can be set to read pressure in PSI, Bar and KG/CM2. The inflator hose is foldable and swivels 360 degrees for easy use. The hose clips to the pump barrel for safe and easy storage. These high-pressure pumps can also be used for most air shocks and air assisted front forks.

420035 White, 300PSI=21.09KG/CM2=20.68bar, 8.5" (21.6cm) long with 6" (15.2cm) hose

420034 Silver, 200PSI=14.06KG/CM2=13.79bar, 10" (25.4cm) long with 7" (17.8cm) hose

420033 Black, 300PSI=21.09KG/CM2=20.68bar, 11" (27.9cm) long with 9" (22.9cm) hose



CRUZTOOLS

CRUZTOOLS TIREPRO LEVER SET

Tire levers are forged and heat treated, using carbon steel alloy. Very strong, yet flexible for complete control. Total length measures 240mm (9 1/2"). Sold in sets of 2.

740309 TirePro tire lever set



CRUZTOOLS

CRUZTOOLS TIRE PRO TIRE GAUGE

If you ever looked inside the toolbox of a mechanic, you would most likely find a tool like this precision tire pressure gauge. Not only does it provide quick and accurate readings, but also a valve holds the reading and allows bleeding of air until the desired pressure is reached. A 12" long flexible hose with a 40-degree brass chuck permits access to difficult places and every valve stem. The large 2" dial is very easy to read and is accurate over a 0-60PSI range.

740306 Tire Pro Tire gauge



ACCEL

TIRE PRESSURE GAUGE

Accel's Pro-Tire gauge is developed for professional race or high performance street bikes where high quality and accuracy within 2% are mandatory. The large, 4" (10cm) diameter stainless steel case protects the brass bourdon tube mechanism, which insures repeatability. Easy-to-read scale on 0-15 psi (0-1.03 bar) gauges is calibrated in 1/2 lb. increments. The 15" (38cm) long hose is ideal for the biggest custom wheels, and built-in plastic handgrip, air bleed valve, and swivel chuck make it easy to adjust tire pressure quickly. The separately available black rubber cover with molded ribs around the outside of the cover provide excellent protection from accidental drops and bumps at the workshop floor or race track.

797060 Tire gauge 0-15 psi (0-1.03 bar)



CRUZTOOLS

TIREPRO DIGITAL TIRE GAUGE

The TirePro Digital Tire Gauge is ideal for motorcycle and ATV use, with a large display and accuracy over a wide range of pressure levels. Readings are shown to 0.1 psi levels, with bar, Kpa, and Kg-cm2 scales also provided. Reads up to 99 psi. An ergonomic shape fits nicely in your hand.

740308 Digital tire gauge

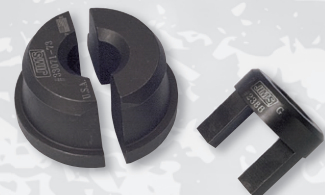


JIMS

RACE & BEARING INSTALLATION TOOL

This driver must be used with ZPN237107 wheel bearing race remover & installer tool (OEM 33416-80).

235804 Race & bearing installation tool



JIMS

WHEEL BEARING RACE REMOVER AND INSTALLER TOOL

Use to remove and install the bearing cups in cast wheels on 1973 thru 1999 Big Twin and Sportster models. Must be used with ZPN235804 (OEM 33071-73).

235921 Bearing race remover and installer tool



SPOKE WRENCH

781104 Multi-fit 6-Jaw type spoke wrench

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781099

781102



TIMKEN WHEEL BEARING INSTALLER
Use to remove and install the bearing cups in all wheels on 1973 thru 1999 Big Twin and Sportster models. Driver is sold separately.

781102 Puller and installer
(OEM 33071-73)

781099 Driver (OEM 33416-80)



JIMS WHEEL BEARING REMOVER AND INSTALLER KIT FOR 2000 TO PRESENT MODELS

Use to remove and install "new style" sealed wheel bearings, as used in both ABS and non-ABS equipped 2000 to present Harley-Davidson, Buell and 2014 to present Indian models, without damaging the wheel. The kit is used for bearings for 3/4", 1" as well as 25mm axles. Kits supplied before 2007 did not include the tools for 25mm but can be upgraded with the optional bearing installer and bearing puller kit. For the cast 5- and 7-lug wheels in 2010 to present CVO's and all 2014 to present Touring a tool support plate must be ordered separately. For 2014 to present Indian a hub protector must be ordered separately.

741912 Wheel bearing installer & remover kit for 3/4", 1" and 25mm axles

751077 Optional bearing installer & bearing puller for 25mm axle



WHEEL BEARING PULLER & INSTALLER

Removes and installs the wheel bearings on most 2000 to present models with sealed wheel bearings and 3/4", 25mm or 1" axles.

781103 Wheel bearing puller & installer



REAR WHEEL COMPENSATOR BEARING REMOVER AND INSTALLER TOOL

Use this tool to remove and install the compensator ball bearing, after the rear wheel drive bowl on 2008 to present V-Rod, Sportster and Touring models. This ball bearing is now positioned with the rubber isolators in the drive bowl. This tool will center and guide the installer plug with the center of the pulley for safe bearing removal and installation.

751078 Rear wheel compensator bearing remover and installer.



WHEEL TRUING STAND

Comes with tapered adapters and hub arbors.

781243 Wheel Truing/Balancing Stand Tool



753621 Tool support plate for 5- and 7-lug cast wheels



Colony

Samwel
SUPPLIES
MOTORCYCLE PARTS SADDLES & SADDLEBAGS

WHEEL LUG WRENCHES

Wrenches for the allen head wheel lug bolts as found on all 1935 thru 1972 models.

740047 Colony USA made T-bar wheel lug wrench (OEM 94621-35)

780115 Samwel European made T-bar wheel lug wrench (OEM 94621-35)

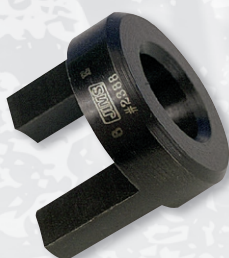
781107 V-Twin Mfg. 1/2" drive socket



JIMS 3RD HAND FLH/FLT REAR AXLE LOCKER TOOL

Torquing down the rear axle nut on all 2002 to present FLH/FLT models, for example after rear belt adjustment, the welded axle nut tends to move to the low side of the adjuster cam. This movement will allow the belt to loose adjustment. With this 3rd hand axle tool you are able to lock the axle without the assistance of any helper. This tool holds the nut without having to reach around the rear tire to hold the nut from moving. Simply place the 3rd hand over the welded nut on the left-hand side of the motorcycle. With the neck portion of the tool resting over the swingarm, hand tighten the adjuster screw to take up any slack in tool. Torque the axle nut from the right-hand side knowing that the welded nut will not turn. Instructions are included.

751072 3rd hand axle locker tool



JIMS TOOL DRIVER SPACER

The effectiveness of any bearing race remover tool is dependent on the ability to grip the race. This spacer applies outward force on the bearing race tool to allow easier removal. Must be used with handle ZPN235804. Works with most Jims bearing race tools, such as ZPN233171, 237351 and 235921.

237107 Spacer driver tool



753646 Hub protector for 2014 to present Indian



WHEEL BEARING WRENCH

Removes the slotted lock nuts on 1967 thru 1972 spoke wheels.

781100 Wheel bearing wrench (OEM 94630-67)



JIMS REAR WHEEL ALIGNMENT TOOL

Proper wheel alignment is necessary for safe handling of the motorcycle. It will also extend the life of the belt or chain, pulleys and sprockets. With this tool you can simply and accurately obtain the correct alignment. In combination with hollow axle plug ZPN751070 this rear wheel alignment tool suits the new hollow axles as found on 2003 to present Buells and 2008 to present Dyna and Sportster models.

751071 Rear wheel alignment tool



JIMS REAR AXLE NUT TORQUE ADAPTER

This Jims tool will make adjusting the drive belt tension or rear wheel alignment a bit easier. It will save you time by eliminating the need to remove the mufflers to perform this service. The tool is designed with a 1/2" drive receiver hole for inserting your torque wrench thus letting you torque the axle nut from an offset position. Comes complete with instruction sheet.

751088 Jims rear axle nut torque adapter



HOLLOW AXLE INSTALLATION GUIDE
Allows you to align wheels that feature hollow axles with swing arms, calipers and spacers without the assistance of a second person.

753691 Works on 25mm and 1" hollow axles on 2008 to present models



JIMS TIRE AND ENGINE ROTATOR

Use to rotate the front or rear tire. Have you ever wished you had a third hand? Well, with this Jims tool you do. Think about the possibilities of being able to put your motorcycle in high gear and turn the rear wheel with one hand and having the internal engine parts rotate. Check tappet adjustments, check cam timing, ignition timing, check primary chain adjustments, rear belt or chain adjustments, check spoke torque and install or remove any part or parts that need the engine rotated. Can also be used for finding the air fill and cleaning the wheel or tire. Ratchet, drive extension and socket not included.

753615 Jims tire and engine rotator



JIMS HOLLOW AXLE PLUG TOOL

Hollow wheel axles are on Buells since 2003 and Dyna and Sportster models 2008 to present. The use of hollow axles has eliminated the center point of the axle, a point that has always been preferred for wheel alignment. When you insert this tool in the ends of the hollow axle you have a correct center point again.

751070 Plug set for hollow axles



CRUZTOOLS AXLE HEX ADAPTER FOR INDIAN

This 14x16mm axle adapter is designed to make it easy to remove the front wheel on Indian Chief, Chieftain, Scout and Roadmaster models. Machined from high-strength steel. Compact size for easy storage on the bike.

740294 Axle hex adapter Indian 14mm x 16mm



SONIC ELECTRONIC BRAKE FLUID TESTER

Battery operated electronic tester that indicates the percentage of water in the brake fluid with bright LEDs. Can be used with DOT 3, 4 and 5.1 brake fluids.

745649 Sonic electric brake fluid tester



SBS BRAKE BLEEDER PUMP KIT

A unique tool which allows you to bleed the brake system after servicing the calipers or master cylinder. It also allows you to change your brake fluid quickly, securely and cleanly. This tool sucks the old brake fluid out of the system while you re-fill it with new brake fluid at the same time. Kit includes hoses, connectors and valve for dual or single brake systems. Very simple to operate and detailed instructions in 13 languages are included.

231267 Brake bleeder kit

231269 Replacement rubber seal



JIMS REVERSE BRAKE BLEEDING TOOL

The reverse brake bleeding tool will make the servicing and bleeding of brake lines an easy job. This tool will push the fluid from the caliper to the master cylinder, making sure all air bubbles will be removed from the system. There is no more guess work with covered brake systems, once there are no more bubbles rising in the master cylinder, the lines are properly bled.

Note: Most ABS systems on Harley-Davidsons also need Diag4Bike, Twin Scan II or III, or Harley's Digital Technician to perform a bleeding job.

751137 Jims Reverse brake bleeding tool

751138 Jims Spare fittings pack Reverse bleeder



MASTER CYLINDER BRAKE BLEEDING SOLUTION

At last there is now a hydraulic brake bleeding system where seeing is believing. This vacuum bleeding device consists of a transparent cap that forms a tight seal to the master cylinder and has a fitting to attach a vacuum pump. After the brake system has been filled with fluid and primed, the bleeder cap is installed on the master cylinder and the vacuum pump is applied. Under a vacuum of 30 to 40 inches Hg (a pressure differential of about 15 to 20 psi) air will be drawn out of the system and the bubbles will be visible through the transparent cap. When the bubbles subside, there is no more air in the system. This is especially advantageous with ABS and dual disc brake systems. It is also a cleaner way to purge the system of air with less fluid used and a reduced chance of cosmetic damage due to brake fluid spillage. Mityvac vacuum hand pump is not included but must be ordered separately.

753627 Master kit with all 5 caps

751136 Mityvac vacuum hand pump

Individual brake bleeder caps

753628 Fits the front master cylinder on 2008 to present Touring and 2006 to present V-Rod

753629 Fits the front master cylinder on 1996 thru 2003 Sportster, 2002 thru 2005 V-Rod, 1996 thru 2005 Softail, 1996 thru 2005 Dyna and 1996 thru 2004 Touring

753630 Fits the clutch master cylinder on 2014 to present Touring and 2006 to present V-Rod

753631 Fits the rear master cylinder on 2008 to present Touring

753632 Fits the rear master cylinder on 1999 thru 2007 Touring

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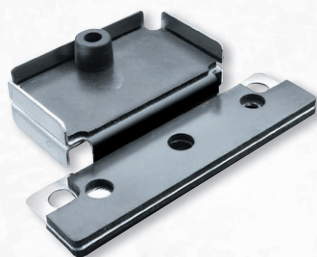
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JIMS BRAKE CALIPER PISTON REMOVER

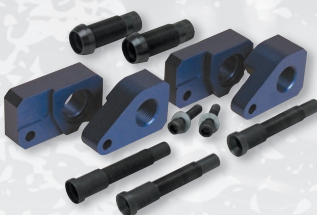
This tool will support the brake caliper pistons for removal by holding the pistons square to their bores. This prevents any damage to the pistons and the piston bores so seals can easily be replaced. For use on 4 piston brake calipers 2000 to present.

750336 Brake caliper piston remover



BRAKE CYLINDER HONE

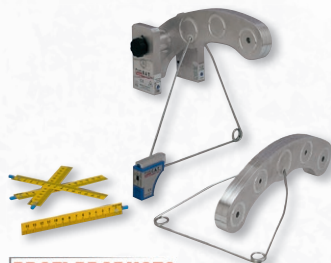
781105 Hone for use on 3/4" thru 3" (19.05-76.2mm) brake cylinders



JIMS FLH/FLT POWER TRAIN ALIGNMENT TOOL

This tool easily and safely aligns the Power Train to the correct position on most 1993 to present (rubber engine, transmission and swingarm mounted) Touring models. Alignment service must be performed when the engine, transmission, or swingarm have either been removed or repaired. Without accurate alignment the safety in handling and performance will be effected.

751073 Power train alignment tool



PROFESSIONAL BIKE ALIGNMENT TOOL WITH LASER

A professional tool for workshop use, allowing you to check wheel alignment within minutes. First you check if the final drive is in line with the included Chain Alignment Tool, then attach the CNC machined aluminum gauges to the front and rear wheel and switch on the laser and you can see at a glance if the wheels are in line or not. The two gauges with integrated class-2 lasers guarantee a measuring tolerance of less than 0.5mm/meter. No more hassling around with ropes or bars of steel, the Bike Alignment Tool (B.A.T.) gives secure information. Perfect for Custom Bike Builders, crash damage controls, and a real help in solving road-holding problems. Professionals know that professional tools require professional care, so the B.A.T. comes complete with a high impact plastic case to store it properly.

Complete kit contains:

- Laser Chain Alignment Tool with two 1.5 Volt LR44 batteries
- One pair front wheel gauges with clamps
- One pair rear wheel gauges with clamps
- High Impact plastic case
- Two laser equipped gauges

701226 Professional Bike Alignment Tool



FORK TUBE SPRING RETAINER REMOVER/INSTALLER TOOL

This tool has two pins to match the front fork spring retainer screw on early drum brake Sportsters and Superglides. Locate this tool with the pins facing down on top of the spring retainers inside the fork tube. You will then be able to remove or install this retainer to service the fork assembly.

751065 Fits Sportsters 1952 thru 1972, and Superglide FX models 1970 thru 1972



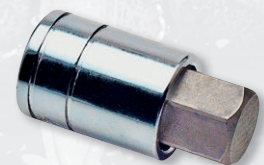
JIMS VACUUM FED FORK FILLING TOOL

This easy to use tool will eliminate the need on Touring models to remove the fairing in order to change the fork oil. To drain the fluid, simply insert the tapered fitting into the drain hole and create a vacuum using the separately available Mityvac vacuum hand pump. Once you reach approximately 23lbs. of vacuum pressure, rotate the valve and instantly the vacuum will draw the pre-measured amount of fork fluid into the fork tube. The Mityvac vacuum hand pump can also be used for a various other applications such as brake bleeding, fluid transfers and vacuum diagnostics.

Note: Not for use with cartridge type forks, Upside Down and other inverted fork assemblies

751135 Jims Vacuum fork filling tool

751136 Mityvac vacuum hand pump



JIMS FORK TUBE PLUG SOCKET FOR 49MM FORKS

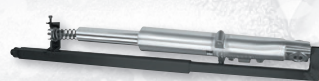
753696 Works on 2014 to present Touring and Trike



41MM FORK SEAL AND BUSHING INSTALLATION TOOL

Designed for easy installation of the fork slider bushing and oil seals on 1984 thru 2017 41mm forks. With the fork tube installed in the lower fork as a guide for the 2 kilos weighing tool you can use one side of the tool to install the fork slider bushing exactly on depth, the other side to install the fork seal. Use of the tool prevents for damage and guarantees a perfect square installation of both seals and bushings.

351144 41mm fork seal and bushing installation tool



JIMS FRONT FORK COMPRESSOR TOOLS

1984 to present fork springs in cartridge style 41mm fork assemblies require compression when servicing or re-building. This compressor can be mounted in a vice for easy hands free servicing. Includes an adapter for FL forks to eliminate direct contact with spring coil. Also includes a special rod to pull the fork damper rod. Tool works with stock length forks.

751066 Tool for stock length forks



FORK COMPRESSION SOCKET FOR INDIAN & VICTORY

Made by Jims USA, works on 2015 to present Indian Scout and Victory Octane.

753645 Jims fork compression socket

01	HELMETS, LUGGAGE, AUDIO & MORE
02	SEAT
03	EXHAUST
04	ELECTRIC & LIGHT
05	ENGINE ELECTRICS
06	INTAKE
07	ENGINE
08	PRIMARY
09	TRANSMISSION
10	FINAL DRIVE
11	WHEELS & TIRE
12	BRAKE
13	FOOT CONTROL
14	HANDLEBAR
15	FRONT SUSPENSION
16	CHASSIS/FRAME & SHOCKS
17	FENDER & STRUTS
18	GAS TANK & INSTRUMENT
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JIMS 49MM FORK DUST AND FORK SEAL INSTALLER TOOL

This two-piece tool is designed to install the lower leg 49mm fork seal squarely into the bore without damaging the seal lip surface. Works on 2016 to present XL1200X Forty-Eight, 2016 to present XL1200CX Roadster, 2006 thru 2017 Dyna, 2002 thru 2017 V-Rod, 2016-2017 FXSE Pro-Street Breakout, all 2018 to present Softail and 2014 to present Touring.

751128 Jims 49mm fork dust seal and oil seal installer



PROGRESSIVE SUSPENSION PROFESSIONAL FORK OIL LEVEL ADJUSTER

This tool is the quickest and most accurate way to set the oil level in each fork leg. Designed for the professional mechanic, works on most forks.

235189 Fork oil level adjuster



FORK LEG AND TUBE HOLDER TOOL

Use this tool to hold fork legs and tubes for easy hands free servicing or re-building. Mounts in a vise to hold the fork firmly during repair without causing damage to the fork assembly. Will not scratch finishes.

751064 Use on fork tubes with a maximum of 2" (50.8mm) diameter



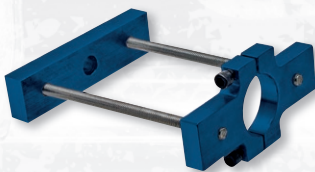
NEW



JIMS CASTLE NUT TOOL FOR HARLEY-DAVIDSON INVERTED FORKS

The right side fork leg on OEM Harley inverted forks features a special castle nut to secure and compress the fork spring. This solid steel socket helps to remove and install this special nut. Works on 2018 to present FLSB Sport Glide, 2019 to present FXDR, 2018 to present FXFB & FXFBS Fat Bob, 2016-2017 FXSE Pro Street Breakout, 2012-2017 VRSCDX Night Rod Special, 2009-2017 VRSCF V-Rod Muscle, 2016 to present XL1200CX Roadster and 2008-2010 XR1200.

756311 Castle nut tool for Upside Down Harley forks



JIMS FORK CAP INSTALLATION TOOL

Use this tool with a pair of Quick Clamps to install fork tube caps without removing the fork legs from the motorcycle.

753692 Works on all 49mm forks



Colony



TOP FORK TUBE PLUG SOCKET

This 3/8" drive 35mm socket is the best and safest way to remove or install the fork tube caps on all 39mm and 41mm Narrow Glide, Mid Glide and Wide Glide forks. Jims socket has a rubber protective coating on the inside to prevent damage to the nut, whereas the Colony sockets feature an installed O-ring for this. Sockets are low profile, to clear most handlebars.

235984 [A.] Hex top fork tube nut socket, Jims USA

747152 [B.] Hex top fork tube nut socket, Colony

747153 [C.] Hex top fork tube nut socket for Colony dome style fork tube plugs. Also works on Knucklehead rocker arm shaft nuts, Colony



JIMS FORK STEM BEARING REMOVER

This tool is required to remove the tapered lower fork stem bearing on all 1960 to present Big Twin models, 1982 to present Sportster and 2002 to present V-Rod. For removal of the lower fork stem bearings on early 1978 thru 1981 Sportster models an additional Hard End Cap is required. The Hard End Cap is sold separately.

751068 Fork stem bearing remover

233200 Hard end cap



JIMS NECK BEARING RACE TOOL FOR TOURING

The new frame design made a change in the steering head and neck bearings on Touring models which created the need for a new installation tool. Simply pounding the bearing races into place is often not enough and has a chance to damage the inside of the steering neck. Improving on the OEM tool, this tool aligns the races with their bore and presses them in for optimal fitment. Fits all 2014 to present Touring and Trike models.

753636 Neck bearing race installer



TOURING MODEL FORK STEM NUT WRENCH

This Jims USA fork stem nut wrench is a great time saver on radio equipped Touring models. With this tool you are able to loosen, tighten and torque the fork stem nut to spec. without removing the radio package, a time saving of 45 minutes for even an experienced mechanic. Works on all 1996 to present FLHT and 1994 to present FLHR models.

751102 Jims Touring fork stem nut wrench



NEW



CONE NUT SOCKET FOR OLD STYLE SPRINGER FORKS

Special 3/8" drive socket with pins for the cog style cone steering stem nut on 1936-1957 45CI Solo and Servicar and 1936 thru 1948 Big Twin.

782135 Springer cone nut socket



JIMS STEERING HEAD BEARING RACE TOOL

Makes removal and installation of steering head bearing races as used in 1949 to present Big Twin, 1978 to present Sportster and Buell models an easy job. Must be used with driver spacer (ZPN237107 & 235804).

233171 Steering head bearing race tool

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JIMS STEERING HEAD BEARING RACE INSTALLER

This tool is designed to pull steering head bearing cups straight and true into Big Twin frames from 1936 to present as well as most aftermarket frames.

233161 Jims steering head bearing race installer



JIMS PIVOT BEARING REMOVER

Removing and installing the swingarm pivot bearings ZPN782023 (OEM 9076) or ZPN231759 (OEM 9270A) on 1984 thru 2017 Softail models requires this tool. This tool can also be used to remove and install the front fender spherical bearings (OEM 9194) on 1997 thru 2011 FLSTS, FLSTSB and FLSTSC Softail Springer models.

751069 Jims pivot bearing remover



TRIPLE TREE BEARING INSTALLER TOOL

Installing the steering head bearing cups straight and true into stock and aftermarket Big Twin frames from 1936 to present is a breeze with this purpose built tool.

361538 Fork race installer tool



SOFTAIL SWING ARM BEARING TOOL

This tool allows you to install the spherical swing arm pivot bearings in 1984 thru 2017 Softail. Can also be used to remove and install the front fender spherical bearings (OEM 9194) on 1997 thru 2011 FLSTS, FLSTSB and FLSTSC Softail Springers. Guarantees a straight fit and easy removal without using brutal force, all you need is this tool and a pair of regular spanners.

351323 Softail swing arm bearing remover & installer



JIMS SWING ARM BEARING INSTALLER

Installs left and right side swing arm bearings at the correct, different depths. Includes a tool to press the spacers out of the bearings.

753693 Works on 2002 to present Touring models



JIMS SWINGARM CLEVE BLOC TOOLS

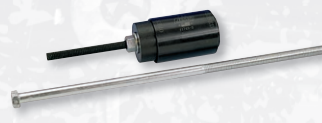
The removal & installation tool can be used with or without a press and presses on the outer sleeve of the bushing, preventing damage to the Cleve blocs. The spreading tool eases installation of the swing arm in the chassis. Tools work on 1980 thru 2001 FLH & FLT models, 1982 thru 1994 FXR and all FXR style aftermarket frames.



SHOCK ABSORBER PRE-LOAD SPANNER

Simple but very effective tool to adjust the shock absorber spring pre-load. Works on most shock absorbers.

235188 Pre-load Spanner



233162 Cleve bloc removal & installation tool



233167 Cleveblock spreading tool



SHOCK SPANNER

Works on Harley V-Twins to set more or less, spring compression on the rear shocks. Can be used on models 1958 thru 1984 and Sportster models 1958 thru 1974. Zinc plated finish.

133012 Shock spanner



PROGRESSIVE SUSPENSION STANDARD SHOCK TOOL

This USA made shock tool works on most shocks found in this catalog. No more hassle when changing springs, this tool makes it an easy job. Place shock in the holder, insert the pin through the hook, turn arm until holder compresses the spring far enough to remove the collars and release arm again. A must in every workshop.

235125 Standard shock tool



HIGH PRESSURE AIR PUMPS FOR AIR SHOCKS AND FORKS

These manual operated pumps are used to adjust the pressure to your needs in any air-shock or air-fork. The big pump easily pumps up to 850 PSI pressure (60 atm.), the smaller hand pump will pump up to 450 PSI. (32 atm.). They must be used to correct the pressure in the high pressure shock absorbers such as Fournale and Pan-Cruise shocks.

232279 Big pump 850 PSI (60 Atm.)

232466 Hand pump 450 PSI (32 Atm.)



SHOCK PRE-LOAD TOOLS

Single hand tools used to adjust the spring pre-load of the rear shock absorbers. Does not require jacking or lifting of the rear wheel off the ground. The universal type works on most Harley models, except XG500 & XG750 Street, XR1200 and 2016 to present XL models, nor XL and Dyna models equipped with Premium Emulsion Shocks. The Softail version works on all 1984 thru 2017 Softail models, including Deuce, Rocker and Breakout.

750803 [A.] Universal spring preload tool (OEM 94448-82B)

741884 [B.] Softail spring preload tool (OEM 94455-89)



PROGRESSIVE SUSPENSION SOFTAIL SHOCK TOOL

This Softail shock tool can be used to assemble and disassemble all shocks on 1984 thru 2017 Softail models.

741885 Shock tool



CABLE GUIDE BRACKET

Chrome plated bracket, used as a bungee cord tie-down (bolted to rear fender bolt) or as a cable guide. 10 Pack (OEM 38623-68).

090067 Cable guide bracket, chrome

090070 Cable guide bracket, black



CLYMER MANUALS

CLYMER REPAIR MANUALS

Clymer repair manuals provide step-by-step procedures based upon the complete disassembly of the motorcycle. This hands-on experience combined with extensive research results in a manual that is both detailed and user-friendly. Hundreds of original photos and illustrations guide the reader through every job, making it easy to reduce repair costs. Whether it is routine maintenance, such as tune-ups and brake service, or more extensive repairs involving engine and transmission disassembly. Clymer manuals provide reliable information required to perform the job. Accurate, clear and concise text, combined with detailed illustrations and photography, make it possible for the novice power sports enthusiast to safely and enjoyably service their vehicle. While at the same time, the in-depth coverage provides indispensable information for those tackling more complicated procedures. Clymer manuals are available in English only and include coloring wiring diagrams.

For Sportster

- 797002** 1959-1985 Sportster
797012 1986-2003 Evolution Sportster
796998 2004-2013 Evolution Sportster

For V-Rod

- 796999** 2002-2006 VRSCA, 2004-2005 VRSCB, 2007-2010 VRSCAW, 2005-2006 VRSCSE Screamin' Eagle, 2007 VRSCX Screamin' Eagle, 2006-2007 VRSCR Street Rod, 2006-2008 VRSCD Night Rod, 2009-2014 VRSCF Muscle, 2007-2014 VRSCDX Night Rod Special and 2012 VRSCDX-ANIV.

For single cam Big Twin

- 797000** 1948-1965 Panhead
797001 1966-1984 Shovelhead Big Twin
797006 1984-1998 Evolution Big Twin powered FLH, FLT and FXD series
797010 1984-1999 Evolution Big Twin powered Softail & 1984-1986 FXEF, FXWG, and FXSB
797008 1991-1998 Evolution Big Twin powered Dyna

For Twin Cam Big Twin

- 797007** 1999-2005 Twin Cam powered FLH & FLT series Touring
796996 2006-2009 Twin Cam powered FLH & FLT series Touring. Includes CD with wiring diagrams and diagnostic flow charts
797013 2010-2013 Twin Cam powered FLH & FLT series Touring
797009 1999-2005 Twin Cam powered Dyna
796995 2006-2011 Twin Cam powered Dyna
797011 2000-2006 Twin CamB, 95B & 103B powered Softail
796997 2007-2010 Twin Cam B powered Softail. Includes CD with wiring diagrams
797014 2011-2016 Twin Cam B powered Softail



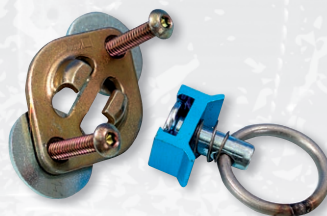
HAYNES DO-IT-YOURSELF REPAIR AND MAINTENANCE MANUALS

Haynes Do-It-Yourself Manuals for Harley-Davidson have clear instructions and hundreds of color photographs to help you perform anything from simple maintenance to basic repairs. Haynes manuals are intended for bike owners, for professionals we recommend our Clymer manuals. Available in English only.

Haynes Do-It-Yourself Manuals feature chapters on:

- Routine Maintenance and servicing
- Tune-up procedures
- Engine, clutch and transmission repair
- Fuel system and exhaust
- Ignition and electrical systems
- Brakes, wheels and tires
- Steering, suspension and final drive
- Frame and bodywork
- Wiring diagrams
- Reference Section

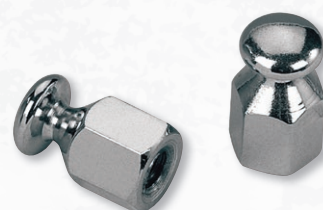
- 796951** For 1970 thru 2010 Harley-Davidson XL Sportster models with 883, 1000, 1100 or 1200cc engine
796952 For 1970 thru 1999 Harley-Davidson FL, FX, FLT, FLH, FXR, Touring, Dyna and Softail models with 74CI (1200cc) or 80CI (1340cc) Shovelhead or 80 CI (1340cc) Evolution Big Twin engine
796950 For 1999 thru 2010 Harley-Davidson Twin Cam powered Softail, Dyna Glide and Touring models with 88CI (1450cc) or 96CI (1550cc) engine



TIE DOWN FITTING KIT

These tie down fittings lock into the floor mounted anchor plate thus providing secure attachment of the tie down straps. Easy to install and easy to remove when not in use. Excellent for the use in vans, trailers and the back of pick-ups. Each kit includes lock ring, anchor plate and hardware.

- 236299** Tie Down Fitting Kit



CHROME BUNGEE NUTS

Made of high-grade carbon steel, then chrome plated. Bungee nuts can work as tie-down knob or an excellent spring anchor and can be used to replace shock absorber nuts. Sold in pairs.

- 345160** Bungee nuts 5/16"-18 UNC
345161 Bungee nuts 3/8"-24 UNF (OEM 98184-90T)
345162 Bungee nuts 3/8"-16 UNC (OEM 98185-90T)



Master Lock RATCHET TIE-DOWNS

These ratchet operated tie-downs provide a reliable way to secure your bike in truck, van or trailer or on the lift in your work-shop. Made by Master Lock using their high tensile strength Monster Weave™ strapping and featuring Razor Coat™ ratchet grip with a PVC coated handle. Straps are 4.25 meter (14 feet) long and have a tensile strength of 450 kg. All metal parts have a high corrosion resistant silver colored coating. Sold in sets of 2.

- 738012** Master Lock ratchet motor-cycle tie-downs, pair



Master Lock MASTER LOCK BRAIDED STEEL CABLE WITH U-BAR LOCK

A 150 cm (59") long, 20mm (over 3/4") thick braided steel cable with a protectant vinyl coating to prevent for scratching. Comes complete with a strong mini U-bar lock and 4 keys.

- 738050** Braided steel cable with U-bar lock

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LUGGAGE,
AUDIO & MORE

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ELECTRIC
& LIGHT

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ENGINE
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INTAKE

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ENGINE

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PRIMARY

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TRANSMISSION

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FINAL DRIVE

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WHEELS &
TIRE

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BRAKE

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FOOT
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HANDLEBAR

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FRONT
SUSPENSION

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CHASSIS/
FRAME
& SHOCKS

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FENDER
& STRUTS

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INSTRUMENT

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Master Lock

"JACK ASS" FLEXIBLE STEEL LOCK

American made hardened steel lock, looks like a cable but is in fact made of hardened cylindrical links that make the lock stronger and more flexible as an ordinary cable lock. The lock is 2 meters (6 feet) long and features a thick vinyl coat to protect against scratches.

738002 "Jack Ass" Flexible steel lock



UNIVERSAL HELMET LOCK

Handy lock designed to lock helmets to parked bikes. Features lockable hinged clasp to attach the helmet D-rings. Comes with tamper-proof hardware to mount the lock to 7/8" thru 1 1/4" (22 thru 32mm) diameter tubes. An extender to make access to the helmet lock easier is available separately.

370052 Chrome helmet lock (OEM 45732-86)

370049 Matte black helmet lock

370047 Gloss black helmet lock

370034 Chrome helmet lock extender



DEFENDER PADLOCK AND CHAIN

Heavy weight chain with over 1 cm thick square hardened shackles to secure your bike. Chain is covered with strong woven fabric to help protect your paint. Available with 1.5 meter (59") long chain or as padlock only. Lock comes with 3 keys, lock and chain combinations are ART-4 approved.

737181 Padlock with 1.5 meter (59") chain

737182 Padlock only



PINGEL REMOVABLE WHEEL CHOCK

The Pingel wheel chock secures a motorcycle in your van, truck or trailer, and features a quick and easy removal. The wheel chock is made from heavy duty thick wall steel construction and includes a near-flush floor mounting hardware for easy installation and removal. The wheel chocks are available in 2 dimensions: 3 1/2" and 6 1/2" wide. Extra wheel chock mounting hardware is separately available to enable the location of the wheel chock in alternate locations. There is also a mounting plate available that will take 3 1/2" or 5 1/2" wide wheel chocks. These wheel chocks are a Trademark of Pingel Enterprises Inc. and made in the USA.

236342 3 1/2" Wide, takes wheels with up-to 3 1/2" wide tires (8.5cm)

236344 6 1/2" Wide, takes wheels with up-to 6 1/2" wide tires (13.5cm to 16.5cm)

236345 Extra wheel Chock mounting hardware (pair)

236349 Wheel chock mounting plate 3 1/2" and 5 1/2"

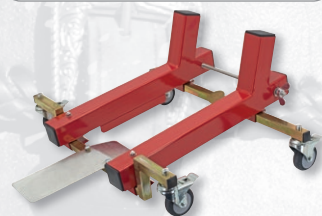


PINGEL® PERMANENT WHEEL CHOCK

The Pingel® wheel chocks are also available with drilled mounting holes. They mount permanently on the floor of your truck or trailer. The wheel chock is made from heavy duty thick wall steel construction and includes mounting hardware for easy installation. Available in 2 dimensions. These wheel chocks are a trademark of Pingel Enterprises Inc. and are made in the USA.

236346 3 1/2" Wide, takes wheels with up-to 3 1/2" wide tires

236348 6 1/2" Wide, takes wheels with up-to 6 1/2" wide tires (150/160mm)



B₂

B2 PRODUCTS REAR MOVER

No more lifting when parking your Harley, Victory, Indian or any other make heavyweight cruiser in places where space is limited. Simply back-up your bike onto the Rear Mover and it can be moved around so easily it's almost unbelievable. It can be pushed through narrow corners and turned 180° without any hassle. Also great for easy cleaning.

721698 B2 Products rear mover



B₂

B2 JACK CENTER STAND

An easy to use bike stand that can be used for storing or servicing your V-Twin. It is placed under the lower frame tubes and uses a handle to tilt the stand over. Stand is 9" (230 mm) high, enough to lift the rear wheel from the ground for easy chain or belt tensioning, rear brake service or rear wheel removal. Two piece construction made from heavy gauge zinc coated steel and covered with a high density plastic tube to prevent the frame paint from damaging.

721697 B2 Easy-Lift bike stand

B₂

B2 PRODUCTS MINI-LIFT CE

The CE Mini-Lift was originally designed for use in professional workshops but also found its way to the regular Harley owner. The Mini-Lift is an unbeatable tool when working on motorcycles without center stand.

Specifications: Folded height 3 1/2" (90mm), Lifting height 15 3/4" (400mm), Maximum load 882lbs (400kg), Platform size 5 7/8"x17 3/4" (150mmx450mm), Weight 29lbs (13kg).

238175 B2 Mini-Lift CE



B₂

B2 SUPERLIFT CE

Specially developed for Harley-Davidson and other heavy weight cruisers. With its lifting height of 50 cm, the Superlift is ideal for the biggest cleaning job! Its super-low minimum height makes it just perfect for the H-D lower specials. A wheel set to make it easier to move the lift is separately available.

Specifications: Folded height 3 3/8" (85mm), Lifting height 19 3/4" (500mm), Maximum load 1100lbs (500kg), platform 18"x30" (460x760mm), Weight 82lbs (37kg).

238177 CE Superlift

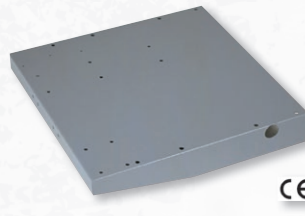


Handy

HANDY AIR ASSISTED WORKSHOP LIFT

The Handy AirLift is used in motorcycle workshops around the world. It has a lifting capacity of 1000 Lbs. (453 Kg) and an 80"x24" (203 cm x 61cm) deck, making it ideal for working on motorcycles, ATV's, snowmobiles, etc. The Handy lift is made of solid steel and is powered by air. Required air pressure is 100 Psi. (7 bar) and 6.7 CFM (190 liter/minute). Lift provides a safe and comfortable height to work on your bike. Complete the lift with a Cycle Vise to position bikes upright, the fully adjustable 13" Front extension, the Lift Dolly to make it easier to move the lift around your workshop. CE Approved.

741350 Handy Air Lift



13" Front Extension

If you need to work on a long bike, here's the secret. This Front Extension makes the Handy Lift 13" longer, which adds up to 93" (236cm). Front Extension is 3 3/4" (9.5cm) high, total length is 24" (61cm), and 24 1/2" (62cm) wide. 741352 13" Front Extension



The Handy Lift is heavy, so use the Lift Dolly to glide it around your workshop.

741353 Lift Dolly



"AIR FORCE BLASTER" BIKE DRYERS

The Metro Air Force Blaster motorcycle dryers are specifically designed for cleaning and drying motorcycles with dry, filtered air that is about 20-25 degrees above the ambient temperature. The Air Force Blaster is the quickest and most efficient method to dry motorcycles thoroughly and eliminates water spots, it will cut cleaning time by 80%. Five to seven minutes is all it takes to quickly and effectively dry motorcycles. No more water spots or stains, no more leaf blowers, no more compressors, just a lot of more time to ride. The Blaster is completely safe for all paint and chrome finishes. Air Force Blasters are available in three versions a 1.5 HP side kick, a 4.0 HP version for personal use, and a 8.0 HP version for professional use and those who do not want to lose a second drying their bike.

The Metro Blaster SideKick is a handheld companion to the larger Metro Air Force Blaster. The SideKick is perfect for someone looking for a compact, affordable, effective way of drying a motorcycle quickly. People who already own the Air Force Blaster will find the SideKick is a great substitute when traveling. The Metro Blaster SideKick has all the features that you could ask for in a compact dryer: it is lightweight, portable and convenient.

Features:

- 85CFM (2400L. per minute) Air Volume
- 200 MPH (320 KM/H) air speed
- 1.3 HP Motor•8 Amp, 240 Volts, 950 Watt
- 12 feet (3.66 meter) long grounded cord.
- 2 nozzles included

The 4.0 HP version features

- 4.0 Peak Horsepower (29, 000 FPM) Motor
- Rugged all Steel Construction
- 10 Foot (4.5 meter) Heavy Duty Hose
- Heavy Duty Neoprene Blower Nozzle
- 5 Piece Attachment KitFor the 4.0 HP version there is also an accessories package including a wall/table bracket, 10 feet (3 meter) hose extension kit and a carrying case available.



238178 Optional wheel set



CE

Cycle Vise
The essential lift accessory, positions bikes upright.
741349 Cycle Vise



JIMS

JIMS MOTORCYCLE LIFT TOOL AND LUBRICANT TRAY

Motorcycle lifts are typically just big enough to hold a bike and lift it up to a convenient level to perform service. There is little space left to keep tools, parts, fluids etc. organized. Even with a rollaway tool box, the limited area on the lift itself becomes cluttered and disorganized. This durable, powder coated steel tool tray might just be the solution you need. Easily installs by drilling two 7/16" (11mm) holes at the edge of your lift and hanging the tray in the holes. Drill additional holes to allow easily moving around so you always keep your tools and parts where and when you need them.

753640 Jims bike lift tool tray

B₂

B2 PRODUCTS MEGALIFT CE

Very stable and economically priced motorcycle lift with a lifting height of 15 3/4" (40cm). Comes complete with heavy duty wheels and foot operated hydraulic jack. The platform is covered with rubber pads.

Specifications: Folded height 3 1/2" (90mm), Lifting height 15 3/4" (400mm), Maximum load 1.100lbs. (500kg), platform 14 5/32"x23 5/8" (360x600mm), Weight 61lbs. (27.5kg)

722050 Megalift

01	HELMETS, LUGGAGE, AUDIO & MORE
02	SEAT
03	EXHAUST
04	ELECTRIC & LIGHT
05	ENGINE ELECTRICS
06	INTAKE
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CONTINUED ON NEXT PAGE »

The 8.0 HP AirForce Master Blaster This Motorcycle Dryer features a total of 8 peak horsepower. Two twin-fan, 4.0 Peak horsepower motors that deliver up to 58, 500 feet per minute of clean, filtered, warm airflow. Two switches allow users to set the airflow and temperature at 3 different levels. Use either motor (front or rear) independently or both simultaneously for maximum power. Five different nozzles enable users to position airflow where desired and eliminate water spots.

Features:

- 8 Peak Horsepower Dryer unit on wheels with 12 foot (3.65 meter) cord
- Rugged all Steel Construction
- 10-Foot Heavy Duty Hose
- Heavy Duty Neoprene Blower
- NozzleAir concentrator
- Air streamer tool
- Micro adapter
- Male/male adapter
- 5 Piece Attachment Kit



750669 1.5 HP Air Force Blaster SideKick

750670 4.0 HP Air Force Blaster

750671 8.0 HP Air Force Master Blaster

750672 Accessories kit for 4.0 HP Air Force Blaster including a wall/table bracket and 10 feet (3 meter) hose extension kit

NEW



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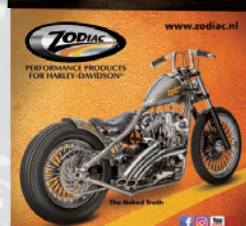
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ZODIAC SHOW BIKE STICKERS

Full color stickers measure 10.4 x 10.4 cm.



999912

999918 Set of six with one of each
999912 Black Prince, 10-pack



999913

999913 Beach Cruiser, 10-pack



999914

999914 The Bobber, 10-pack



999915

999915 Orange Crush, 10-pack



999916

999916 The Naked Truth, 10-pack



999917

999917 Zodiac's 50th Anniversary Gold Digger, 10-pack



ZODIAC POINT OF SALE ADVERTISING PRODUCTS

Newly designed Zodiac point of sale flags, stickers and dealer signs. Stickers are available in different sizes that have either normal or "wrong" sticky side for inside the window use.

Note to consumers: When you are in a Harley Shop or Harley Workshop and you don't see one of these signs, you must really start to wonder if you are in the right place!!

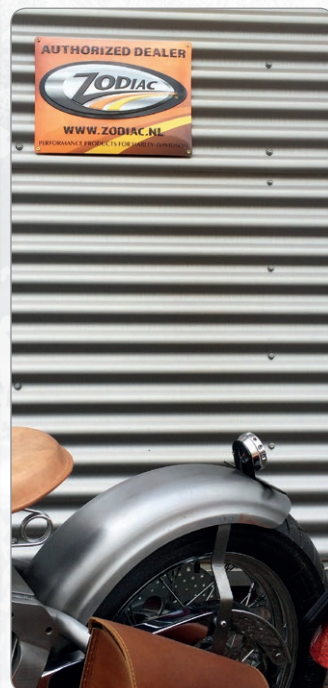


999964 Zodiac Authorized Dealer sticker, 8 1/4" x 11 11/16" (21 x 29.7cm)

999963 Zodiac Authorized Dealer sticker, 8 1/4" x 11 11/16" (21 x 29.7cm) sticks to the inside of a window

999966 Zodiac Authorized Dealer sticker, 17 5/16" x 23 5/8" (44 x 60cm)

999965 Zodiac Authorized Dealer sticker, 17 5/16" x 23 5/8" (44 x 60cm) sticks to the inside of a window



999987 Metal embossed Zodiac Authorized Dealer sign, 15 3/4" x 11 13/16" (40 x 30cm)





999986 Metal embossed dual sided Zodiac Dealer Opening Hours sign, 11.8" x 7.87" (30x20cm)



999960 Zodiac sticker, 8 1/4" x 11/16" (21x29.7cm)

999991 Zodiac sticker, 17 5/16" x 23 5/8" (44 x 60)



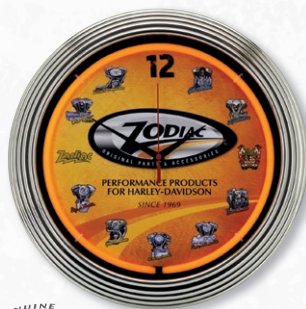
999921 Zodiac stickers, oval 5 3/4" x 2.4" (14.5 x 6.1cm), dealer 100 pack



999923 Zodiac stickers, oval 5 3/4" x 3 3/4" (14.5 x 9.5cm), dealer 100 pack



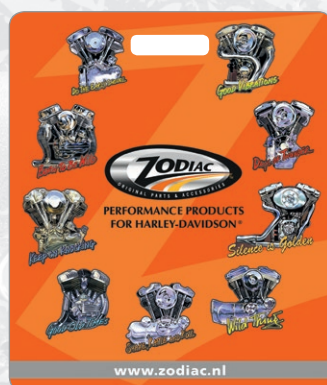
999976 Zodiac flag 40" x 60" (100 x 150cm)



ZODIAC "THRU THE TIME" NEON WALL CLOCK

Retro styled wall clock with bright shining orange neon ring and beautiful chrome bezel. Shows the Ironhead and EVO Sportster engines, all Big Twin engines from Flathead thru Twin Cam, as well as all Zodiac logos used since 1969. Comes complete with AA size battery for the clock and 220-240V power adapter for the neon ring. Housing 38 cm, scale 30 cm in diameter.

999970 Zodiac "Thru the Time" wall clock



ZODIAC SHOPPING BAGS

Made from fully recyclable Low Density Polyethylene these shopping bags are full color printed with the Zodiac logo surrounded by artist's impressions from nine different Harley engines: Ironhead Sportster, Evolution Sportster, Flathead, Panhead, Knucklehead, early, - and late Shovel, Evolution Big-Twin and Twin-Cam. These bags look so good, they will be a collector's item soon. Bags are 16 1/8" wide and 18 1/2" high. Sold to dealers in packs of 25 pieces.

999822 Zodiac shopping bags, 25-pack



ZODIAC LOGO BANNER

This banner shows the Zodiac logo and is made from strong vinyl with pressed-in copper eyelets. Measures 200 x 100 cm (79" x 39").

999824 Zodiac Logo Banner 200x100cm



ZODIAC RE-CYCLE SHOPPER BACKPACK

It's a beautiful day, the sun is shining so you take your Bobber or Dresser for a ride. Your not going on holidays, so you leave your bags home. You stop at your motorcycle dealer and buy yourself some bits and pieces. But how to take them home? You have gained some weight, so they don't fit under your jacket. Are you going to ruin your paintwork using duct tape or bungee cords to stick that plastic bag onto your fender? No f...g way! We have a better solution. This made of nylon 13.4"x17.3" (34x44cm) gimmick backpack is small enough to fit in your pocket or tool roll or under your seat, but also big and strong enough to bring stuff even bigger as the Zodiac catalog home.

999990 Zodiac re-cycle shopper backpack



ZODIAC EZ-UP SHELTER

The Ez-Up Eclipse professional shelter is considered the Best in Class in portable instant shelters. We have personalized this with Zodiac colors and logos to an all purpose business-to-business professional shelter. The eclipse instant shelter heavy-duty framework, solid construction and professional grade materials makes this the popular choice when quality, durability and innovation matter.

Features a patented one-piece high strength carbon steel frame that sets up in seconds, professional grade composite polyester fabric top and up to 5 height leg adjustment. Measures 3 x 3 meter.

999815 Zodiac EZ-UP Eclipse



ZODIAC BANNER

A huge, 6 meter (almost 20 feet) long and 1 meter (over 3 feet) high banner with pressed in copper eyelets. Features twice the Zodiac logo and our slogan "performance products for Harley-Davidson". Made of strong woven polyester with high quality imprint that will last for years, no matter if the banner is used indoors or outdoors.

999989 Zodiac banner



METAL S&S LOGO

Embossed aluminum S&S logo in blue and white. Measures 16.5" x 11" (42x28cm). Has 4 pre-drilled mounting holes.

760586 S&S Logo Sign



SPECTRO METAL DEALER SIGN

Metal Spectro sign measuring 30" x 14" (76 x 36cm) and available to Spectro selling Zodiac dealers only.

999908 Spectro metal dealer sign

01
HELMETS,
LUGGAGE,
AUDIO & MORE

02
SEAT

03
EXHAUST

04
ELECTRIC
& LIGHT

05
ENGINE
ELECTRICS

06
INTAKE

07
ENGINE

08
PRIMARY

09
TRANSMISSION

10
FINAL DRIVE

11
WHEELS &
TIRE

12
BRAKE

13
FOOT
CONTROL

14
HANDLEBAR

15
FRONT
SUSPENSION

16
CHASSIS/
FRAME &
SHOCKS

17
FENDER
& STRUTS

18
GAS TANK &
INSTRUMENT

19
OIL TANK, FILTER
& LINE

20
FASTENERS

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MIRROR

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WINDSHIELD

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OIL, CHEMICALS
& TOOLS

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Genuine
JAMES GASKETS

JAMES GASKET DISPLAY BOARDS

James Gaskets' sturdy, three-color gasket boards measure 32" (81cm) tall and 48" (122cm) wide and come ready to mount on 1/8" (3mm) or 1/4" (6mm) thick pegboard with 1" (25.4mm) center-to-center holes. Each gasket board comes with all of the mounting hardware, metal hooks and clamshell blister packs for the smaller items. Boards are made of 20 mil vinyl for a great appearance and years of service.

- 742870** Engine gaskets & seals 1965 thru 1984 Shovelhead Big Twins
- 742871** Engine gaskets & seals 1936 thru 1964 Panheads and Knuckleheads
- 742872** Engine & primary gaskets & seals 1986 thru 2003 Sportsters
- 742954** Engine & Primary gaskets & seals 2004 to present Sportster
- 742873** Engine gaskets & seals 1984 thru 1999 Evolution Big Twins
- 742874** Engine gaskets & seals 1999 thru 2017 Twin Cams



999910 Rolling display features full metal frame with smooth rolling casters and catalog holder. Can be used on two sides. Includes signs as shown

TBR **NEW**

TWO BROTHERS RACING EXHAUST DISPLAYS

A good product deserves proper display in your showroom.



999909 Wall display kit includes 9 rubber coated hanging hooks and a TBR sign



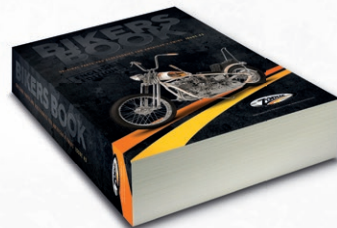
SPECTRO
Performance Oils

SPECTRO DISPLAY RACK

Order a shop supply of 12 cases of oil and get this Spectro display rack for free. The display rack holds 96 quarts and features a great looking header, showing the Spectro logo. A great promotional item for every shop. If you want this display rack for free just put on your order form "Free display rack" along with any selection of 12 cases of oil, and we will get it out to you today.

Note: Only 1 rack per shop and offer is valid as long as racks are in stock. Once sold out, we can no longer offer it. So, order quickly to be sure to receive this rack!

999978 Spectro Display Rack



THE 2021-2022 ZODIAC BIKERS BOOK

The Zodiac Bikers Book is the best aftermarket catalog ever made. This 2021-2022 edition contains more than 40,000 parts and accessories and is one of the most extensive catalogs available for the Harley-Davidson and American V-Twin aftermarket. The Zodiac Bikers Book catalog is available in English, German, French, Italian and Spanish. We are constantly enlarging and adjusting our line of products to keep up with the demands of today's Harley-Davidson owner, but do not forget Buell, Indian and Victory riders.

Order now:

http://www.zodiac.nl/ordernow

- 999999-E** Zodiac 2021-2022 Catalog, English
- 999999-F** Zodiac 2021-2022 Catalogue, French
- 999999-D** Zodiac 2021-2022 Katalog, German
- 999999-I** Zodiac Catalogo 2021-2022, Italiano
- 999999-S** Zodiac Catalogo 2021-2022, Español



SPECTRO
Performance Oils

SPECTRO HAND PUMP AND SPIGOT TAP FOR OIL DRUMS

For "no spill" oil pumping or tapping from the 60L. Spectro drums. The hand pump can be used with the drum staying upright and the spigot tap must be used with the drum laying down.

235218 Hand pump (dealer use)

235219 Spigot tap (dealer use)