

PREMIUM HARDWARE INSTALLATION GUIDE FITMENT

2018+ Harley-Davidson M8 Softail (Left-Side Frame Alignment Fasteners)

MATERIAL: Aerospace Grade 5 Titanium
(Ti-6Al-4V)-12-Point Flange

*Thank you for choosing our Premium
Titanium Rear Pulley Hardware Kit.*

Grade 5 Titanium delivers the strength of hardened structural steel at 45% of the weight, while completely eliminating the risk of frame rust or corrosion.

Because titanium features unique mechanical properties and elasticity compared to factory steel, you must strictly follow these instructions to ensure a safe installation and prevent chassis misalignment.



THE #1 RULE: ONE-AT-A-TIME

These fasteners secure a primary structural junction between your motorcycle's frame rail and the transmission housing. **NEVER** remove both factory bolts at the same time. Completely remove, clean, install, and torque the TOP bolt first. Do not loosen or touch the bottom bolt until the top bolt is fully torqued to specification. This preserves your bike's precise factory powertrain and belt alignment.

STEP 1: THREAD PREPARATION

Old, crusty factory thread-locking compound left inside the frame's blind holes creates intense friction. This tricks your torque wrench into "clicking" early, leaving your new bolts dangerously loose. Use a nylon/brass thread brush and brake cleaner to thoroughly clean out the internal frame holes. Blow out any debris and ensure the internal threads are completely spotless and dry before proceeding.

STEP 2: ANTI-GALLING & VIBRATION LOCKING

Titanium-to-steel threads are highly susceptible to friction galling (cold welding). However, standard anti-seize will cause these critical chassis bolts to back out over time from V-Twin vibrations.

DO NOT use standard anti-seize.

DO USE 2-3 drops of liquid medium-strength blue threadlocker (such as Loctite 243) directly onto the titanium threads. The liquid acts as a necessary lubricant to prevent galling during the complex torque sequence, then cures to permanently lock the bolts.

STEP 3: TOOL FITMENT & TORQUE

Custom 12-point titanium heads offer exceptional strength and a high-end look, but require precise tool engagement. **Tool Required:** Use only a premium-grade, sharp-edged 12-point socket on an extension. **Fitment:** Ensure the socket is pushed completely flush against the bolt flange face before applying force to prevent cosmetic marring or rounding. **Torque Value:** Using a manual, calibrated torque wrench, tighten smoothly to 24 ft-lbs (32.5 Nm). **IMPACT WARNING: NEVER use an impact gun.** High-speed impact tools can instantly strip the titanium head or damage the internal threads of your frame.

STEP 4: MANDATORY BREAK-IN INSPECTION.

All premium hardware undergoes a minor structural "settling" period as the chassis flexes during your first few miles on the road. **The 50-Mile Check:** After your first 50 miles (80 km) of riding, use a manual torque wrench to verify that both fasteners remain securely locked at 24 ft-lbs (32.5 Nm). **Routine Maintenance:** Include these fasteners in your standard 5,000-mile (8,000 km) service checklist for a quick visual

inspection. **Disclaimer: Professional installation is highly recommended. Incorrectly torqued drive hardware can lead to total loss of vehicle control, wheel destruction, or serious injury.**



www.kpr-ind.com.au | sales@kpr-ind.com.au | 07 3162 0077