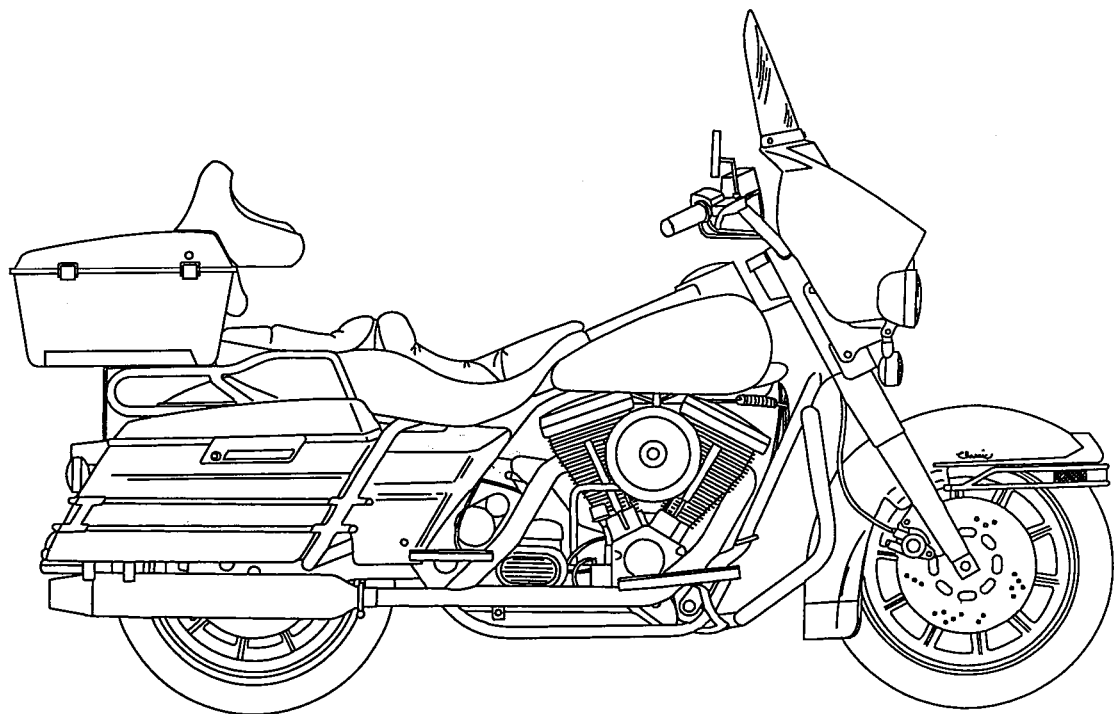


TECHNICAL TIPS

December 1994

TT#41



TECH TIPS #41

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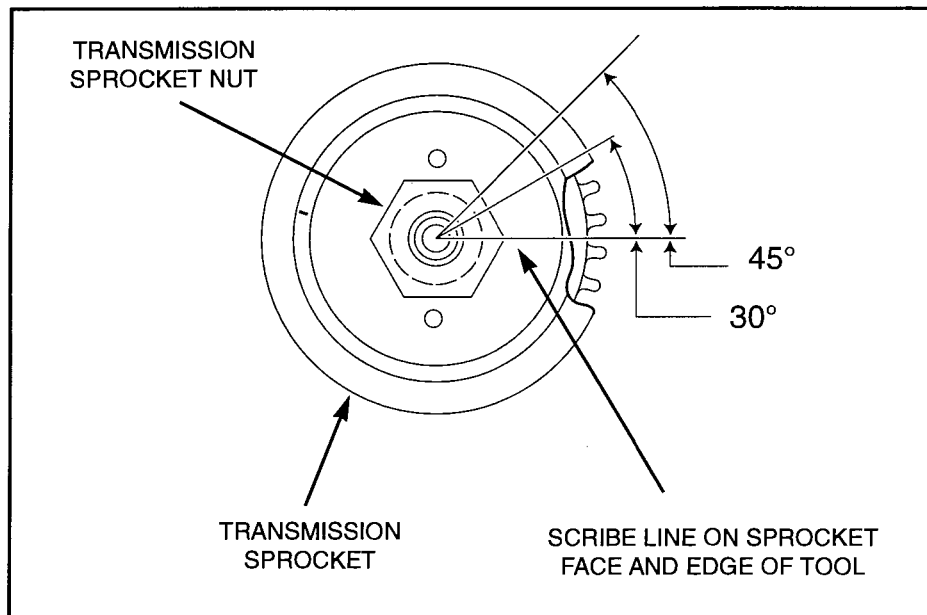
TECHNICAL TIPS #41

DECEMBER 1994

**** ALL MODELS ****

SPROCKET NUT TORQUING

A new "torque turn" method of sprocket nut assembly is being used in production. This same method can now be applied when servicing field vehicles. Instead of a final torque specification, a specified amount of rotation is called for. It is similar to the procedure for Evolution head bolts you're familiar with.



Final tightening of Transmission Sprocket Nut

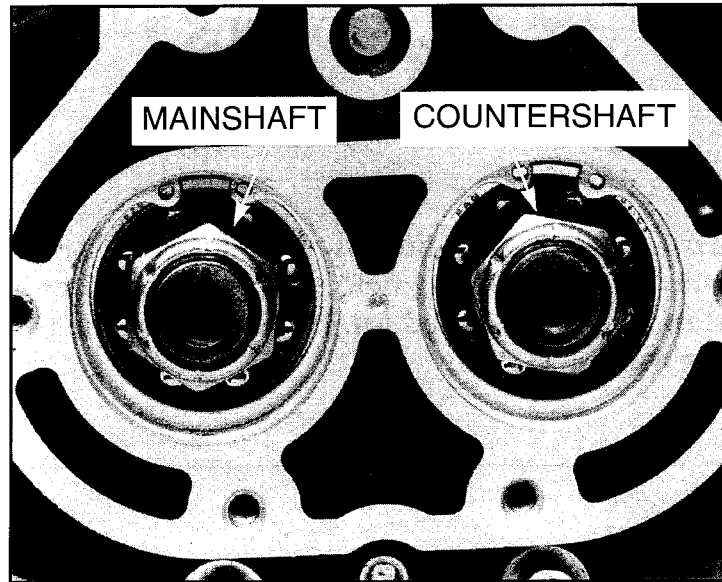
First apply Loctite Threadlocker 262 (red) to the left-handed threads of the Main Drive Gear. Lightly oil the mating flanged side of the nut. Initially torque the nut to 50 ft./lbs. (68 Nm) Then, step two, continue to tighten the nut an additional 30° - 40° degrees of rotation as shown in the illustration. Marking the sprocket face and **MAINSHAFT LOCKNUT WRENCH, HD 94660-37B**, as shown, will give you the reference points needed during final assembly. Remember, always continue to tighten the nut to align the lockplate, but never exceed 45° to do this. The new **BELT SPROCKET LOCKING TOOLS, HD 41184** (1340cc) and **HD 41321 (XL)** will be a big help when performing this new procedure.

**** 1340cc MODELS ****

TORQUE SPECIFICATION CHANGE

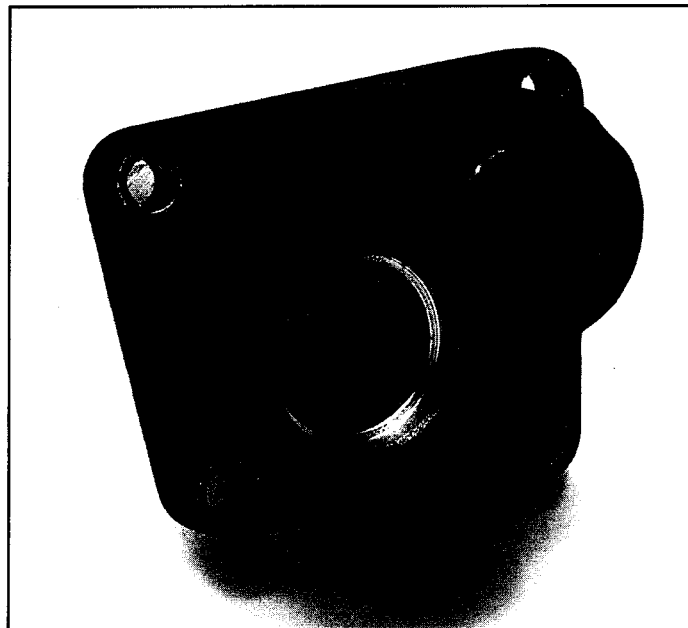
The torque for the countershaft and mainshaft bearing side door nuts has been changed from 27-33 ft./lbs. (37-45 Nm) to 45-55 ft./lbs. (61-75 Nm).

All 1340cc 5 speed transmissions are now using the higher torque. Earlier transmissions can also be updated and use the new torque.



KEEP 'EM CLEAN!

Sometimes, engines have to be stored before repairs can be finished. To prevent dirt or other contaminants from entering the crankcase, **Leonard Jacobs**, technician from **Central Maine H-D, Bangor, ME.** places a black Eagle Iron handlebar cap, into each lifter block bore.



**** FX MODELS ****

SERVICE MANUAL UPDATE

The 1995 Softail Service Manual incorrectly lists the size of the rear belt pulleys. Page 6-1 should indicate that all 1995 models are using a 65 tooth rear belt pulley.

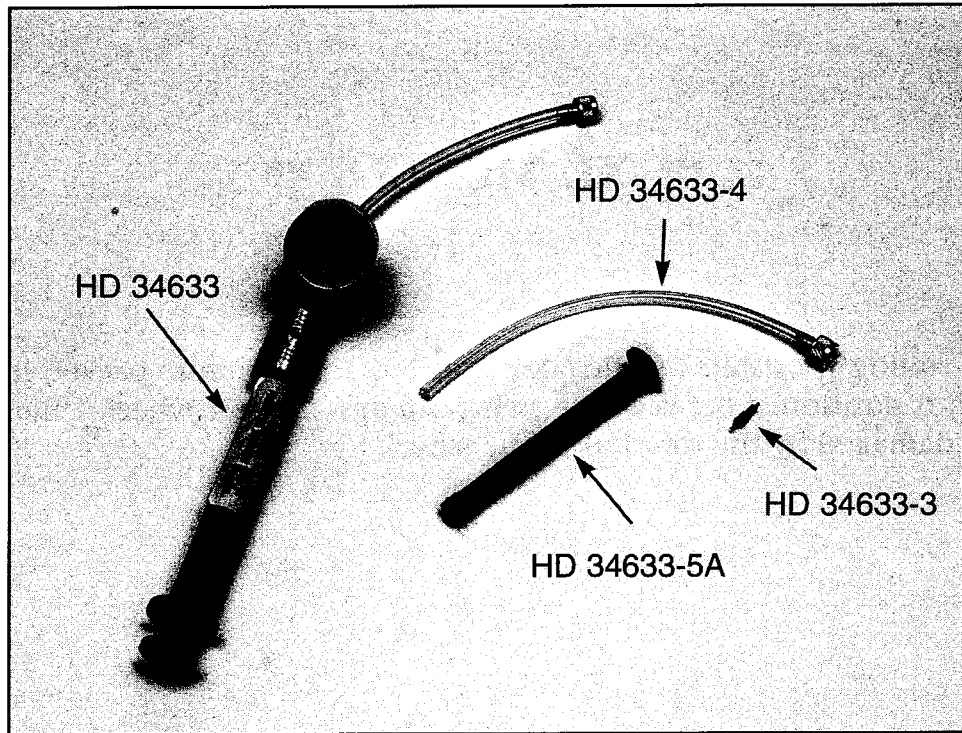
**** XL MODELS ****

UNCRATING

Be careful when rolling Sportsters off the crating pallet. The literature packet, including the Owner's Manual, is positioned between the swingarm and the rear wheel. Unless it is removed first, it could be damaged by the rotation of the wheel!

KENT-MOORE
**** SPECIALTY SERVICE TOOLS ****

REPLACEMENT PARTS



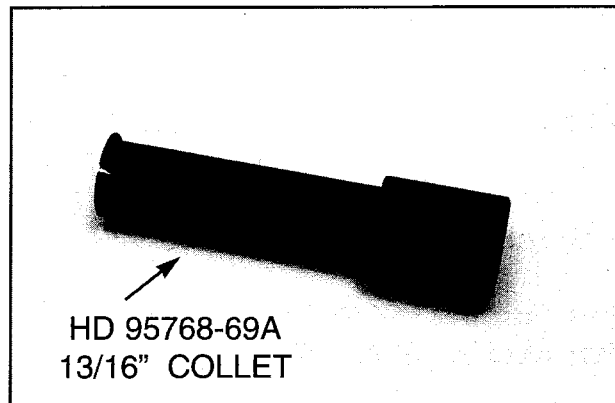
Separate replacement parts are now available for the **AIR SUSPENSION PUMP AND GAUGE** ; part number **HD 34633**. The following parts can now be purchased individually from Kent-Moore:

Valve	HD 34633-3
Hose & Fitting	HD 34633-4
Plunger assembly	HD 34633-5A

Look for a recent change to the Hookit pad parts that are part of the **PAINT REPAIR KIT, HD 39994**. The **Hookit Pad, HD 39994-4**, was redesigned to improve function and longevity. The shaft now threads into the body for a stronger fit. The Velcro pad surface has been changed to improve the retention of pads.

BEARING PULLER

An additional expandable collet has been added to the **BUSHING AND BEARING PULLER SET, HD 95760-69A**. This **13/16" collet** is for removal of the crankcase needle bearing that supports the inboard end of the 1340cc camshaft. It can be ordered separately under part number; **HD 95768-69A**.



**** FLUID REFERENCE GUIDE ****

<u>Dow Corning - Moly 44</u>	sold in 5.3 oz. tubes	used on brake pins
1-800-248-2481- to find a dealer in your area		
<u>NovaGard silicone (formerly GE Versa Lube G322L)</u>		used on brake seals
1-800-626-6527		
<u>3M 847-</u>	part number 99618-60	used to attach speaker grilles, Tour Pak trim, etc.
<u>Wheel Bearing Grease-</u> part numbers 99855-89 & 99856-92		
<u>Hylomar</u>	- can w/ brush- part number 99651-85 tube part number 99653-85	
<u>Seal All-</u>	part number 99835-94T	multi-purpose
<u>Tri-Flow</u>		used to lubricate lock mechanisms
<u>Electrical Contact Grease-</u>	part number 99861-90	used on electrical pins, bulb contacts, etc.
<u>Poly Oil-</u>	part number 99860-81	used on compensator sprockets
<u>Loctite Products-</u>	222 (purple)	low strength, for fasteners under 1/4" dia.
	242 (blue)	medium strength, for 1/4" dia. and larger fasteners
	271 (red)	very high strength, for 1" dia. and larger fasteners
	620 (green)	retaining compound, crankpin and flywheel nuts
Pipe Sealant w/ Teflon		general purpose sealant
Anti-Seize		prevents galling, seizing and corrosion
Safety Solvent		general purpose cleaner, dissolves grease, dirt and oil