

TECHNICAL TIPS #23
FEBRUARY 1991

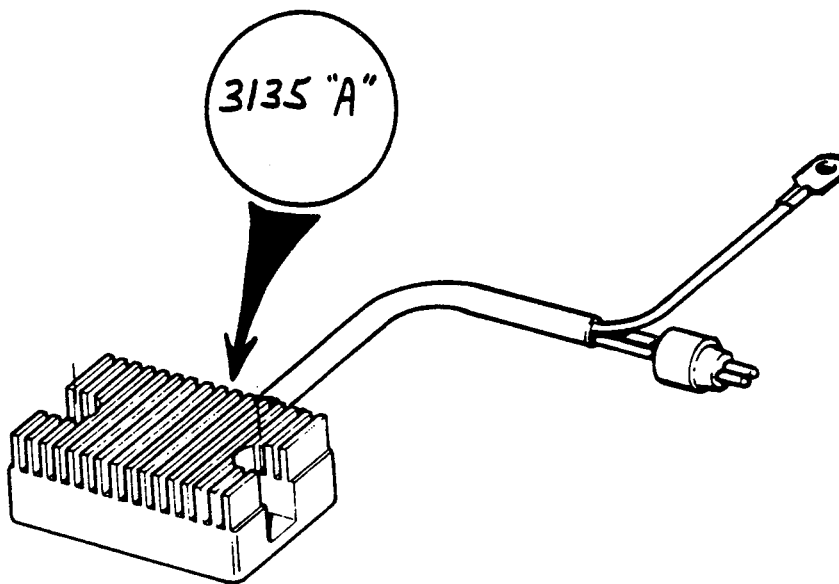
ALL MODELS

** A material change, for better sealing, has been implemented to both the head and base gaskets. The base gasket material is KEVLAR. The head gasket is GRAPHITE. The new part numbers are:

Head Gasket : XL - 16664-86A / 16770-84B
1340 - 16770-84B

Base Gasket : XL - 16774-86B
1340 - 16774-86B

** An internal change has been made to the circuit board of all voltage regulators. This is designed to extend the life of the regulator's SCRs and greatly reduce regulator failures. The new regulators can be identified by the "A" suffix added to the regulator's date code, not part number. (Example: date code 3115 has become 3115A)



FL/FX MODELS

Service Tip

** The tappet block fasteners torque has been INCREASED on all 1340 models. Fastener torque has been increased to 12 -15 ft./ lbs. from 90 - 120 in./ lbs.

** The FX speedometer anti-vibration collar is now in production and available through P&A. Part number, 67115-91, it can be retrofit to earlier vehicles.

** Starting on 1/3/91 several design and manufacturing running changes were implemented to improve the operation of the 1340 clutch release mechanism:

- * An additional hole was added to the transmission access door to provide lubrication to the release bearing.

- * The transmission end cover has been doweled in two locations to improve alignment.

- * An oil slinger was added to direct lubricant to the bearing. The slinger assembly part number is 37069-90.

** A new gas cap gasket, part number 61109-85C is now in production and available for retrofit. It can be identified by the white stripe found on it. This material change will help reduce fuel tank staining.

** Softail shock squeaks, on late '91 models should be eliminated. The vendor is applying grease to the inside of the shock covers.

** The operation of Tour Box latches can be improved by keeping the internal moving parts well lubricated. The Service Dept. recommends applying Harley-Davidson hi-temp wheel bearing grease into the sliding parts of the mechanisms. A small brush will work the grease into the latch's internal parts. Hi-temp wheel bearing grease is better than aerosol lubricants because of it's high melting point.

**** Warranty Flat Rate/ Labor Code Changes**

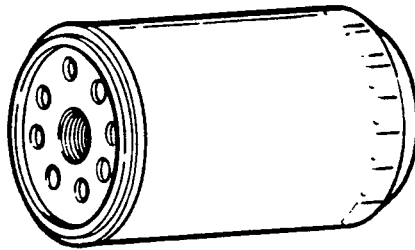
Adjustments have been made to the following warranty labor codes for 1991 FX Softail models. Please reflect these changes in your 1991 Job Time/ Code Manual. These labor time changes will be automatically adjusted for warranty claims submitted.

<u>LABOR CODE</u>	<u>MODEL</u>	<u>OLD TIME</u>	<u>NEW TIME</u>
2321 steering bearing replacement	BJL	2.2 hr.	1.9 hr.
	BKL	2.1 hr.	1.8 hr.
	BML	2.2 hr.	1.9 hr.
2332 steering bearing replacement	BLL	1.0 hr.	1.4 hr.

FXDB (DYNA STURGIS)

Service Tip

**** We've got a correction to the 1991 Dyna Glide Service Manual. When you're servicing Dyna Glide Sturgis models the oil filter should be tightened 2/3 to 1 full turn after the filter base contacts the mount. Short filters are still tightened 1/4 to 1/2 turn after base contact.**

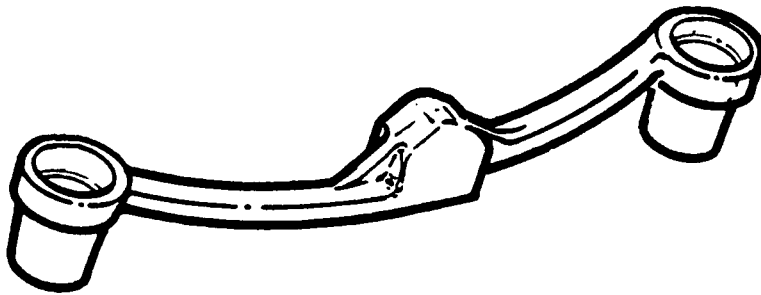


SPORTSTER MODELS

** Warranty Flat Rate Addition

A warranty flat rate labor code has been established for the replacement of the engine sprocket cover. Use labor code 2044 with a time of 0.6 hr. for this operation.

** The 4 speed Sportster transmission cam follower has had a material change. This will reduce wear and increase component life. Order the new part under part number 34063-84B.



TOOLS

** Kent-Moore Tool has released the FLUKE 23 multimeter, HD-35500-B, as a replacement for the Sanwa meter. American made, the FLUKE meter has been recommended by our Service School instructors. The cost is \$139.00.

