

TECHNICAL TIPS

- OCTOBER 1992 -



#32

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** ALL MODELS **

STEERING BEARING GREASE FITTINGS

All current production Harley-Davidson motorcycles, except Dyna models have grease fittings to lubricate the steering head bearings. However, on FXR models the fitting is not installed at the factory because of possible interference with the throttle cables. Instead a black plug, part number 50963-92 is placed into the tapped hole located on the right side of the steering head. At required service intervals, the plug can be removed and a grease fitting, part number 50972-75, should be installed to perform the required lubrication. Remember to remove the fitting afterwards and replace the plug. If the fitting is painted, it should be removed and cleaned. The fitting will not accept grease until the paint is removed.

EVOLUTION STANDARD VALVE GUIDES

Standard size replacement valve guides for all Evolution models have a new part number. Part number, 18112-92 replaces 18101-83B. The unfinished inside diameter (I.D.) of the guides was increased for improved serviceability when reaming to final size.

SERVICE LITERATURE PRICE CHANGES

Due to increased production and printing costs the price of both Service and Parts Manuals was increased as of August 7, 1992. The dealer net price of both publications was changed from \$12.00 to \$14.00.

** FLT MODELS **

TOUR PAK HINGE KIT

A new Tour Pak hinge kit is being used in production.

Hinge kit - p.n. 8500A

consisting of: Screw - p.n. 3595 (1)
Hinge pin - p.n. 8538 (1)

This kit eliminates the need to peen over the old style large hinge pin. The kit fits 1988 and later Tour Paks.

VOLTAGE REGULATOR WIRE ROUTING

The FLT, FLHT, FLHS and Ultra models have the voltage regulator's charging wire routed past the circuit breaker rather than through the breaker as on all other models. This means that the wire is connected to the copper stud of the breaker not the silver stud. This change was made to reduce headset noise.

** DYNA GLIDE MODELS **

DYNA EXHAUST SHIELD CHANGES

Experiencing loosening of the cross-over heat shields on Dyna models?? A improved update/repair kit is now available; part number 65213-92. The kit consists of the following parts:

8203	rivet	4
10119	clamp	4
65376-92	shield	1
65379-92	shield	1

A new front exhaust pipe heat shield, part number 65746-90A has been authorized. This shield has been modified to prevent contact with the frame downtube. It is important that only this shield be used for replacement on 1993 Dyna models with the new engine isolator mounts.

**** FX MODELS ****

1993 SERVICE MANUAL CORRECTIONS

Page 3-43 of the 1993 FX and Dyna Glide Service Manuals incorrectly list the part numbers for the pinion gears. Please note these corrections for your dealership's Service Manuals.

CAM/PINION GEAR COLOR CODE CHART

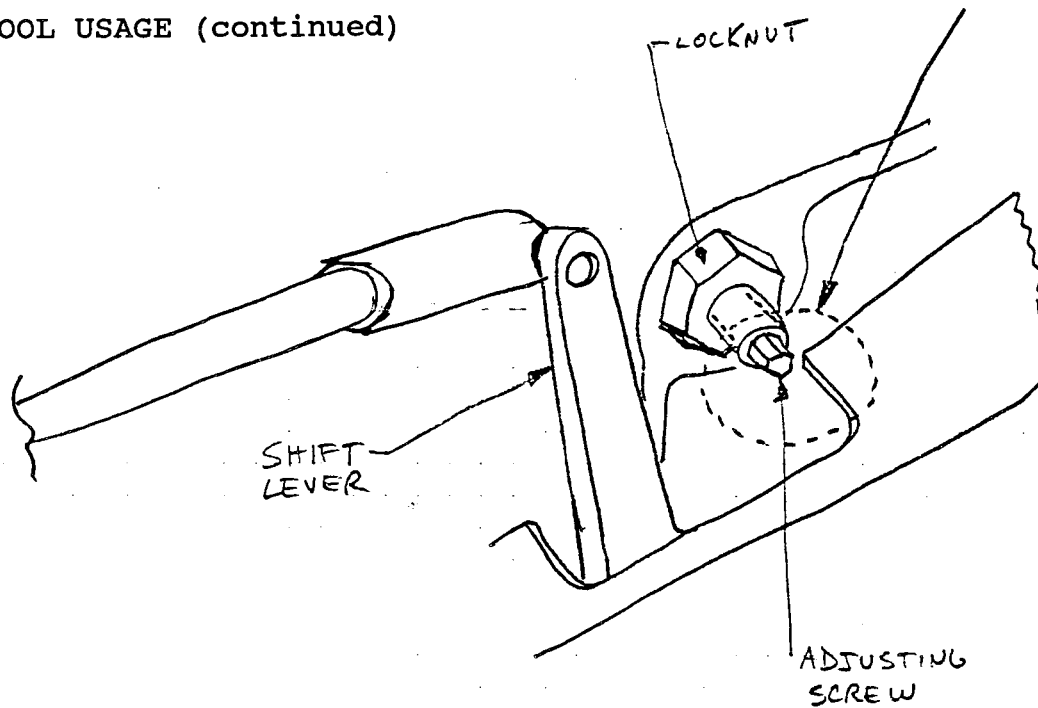
COLOR CODE	PINION GEAR	CAM GEAR	
<i>NOTE</i>		<i>(matched sets)</i>	
<ul style="list-style-type: none"> • Use 0.108 in. pins to measure. • Cam gears have two grooves on face. 			
	Part no.	Size (in.)	Size (in.)
ORANGE	24040-90	1.4853/1.4850	<i>NOTE</i> 2.7472/2.7476
WHITE	24041-90	1.4849/1.4846	<i>Check parts</i> 2.7477/2.7481
YELLOW	24042-90	1.4845/1.4842	<i>catalog for</i> 2.7482/2.7486
RED	24043-90	1.4841/1.4838	<i>cam and pin-</i> 2.7487/2.7491
BLUE	24044-90	1.4837/1.4834	<i>ion sets part</i> 2.7492/2.7496
GREEN	24045-90	1.4833/1.4830	<i>numbers.</i> 2.7497/2.7501
BLACK	24046-90	1.4829/1.4826	2.7502/2.7506

**** MISCELLANEOUS ****

KENT-MOORE TOOL USAGE

Due to tolerance stackups, it is possible on some early 1993 Softtail models that the inner primary may be so close to the new style transmission pawl adjuster that the new pawl adjusting service tool cannot be used.

TOOL USAGE (continued)



A die grinder can be used to remove a small amount of material from the inner primary lip to permit tool's usage to adjust the shifter pawl linkage.

Changes have been made to the inner primary in order to eliminate any potential interference problem.

DUNLOP TIRES

A small quantity of D402 21" tires used on 1993 FXSTC's and FXSTS's may be subject to a blemish problem in the central tread area. Small portions of rubber, adjacent to the central tread groove are being worn off prematurely. This "chipping" becomes evident at very low mileages, usually under 500 miles.

(continued)

Although this "chipping" is cosmetically unacceptable, this type of blemish has NO adverse affect on the handling or strength of the tire. Should you encounter such a tire, replace it using normal warranty procedures. Only tires exhibiting this condition in service will be warrantied. The tire, replacement labor and rebalancing of the wheel should be listed on the claim.

Please note that although the standard K181 tire will be phased out in the near future, the K181 PT tire will continue to be available through Parts & Accessories. The K181 PT, part number 40548-84 (front) and 40549-84 (rear) are the only approved tires for use on FXRP motorcycles.