

SERVICE BULLETIN



M-1028

September 18, 1992

SUPPLEMENTARY SERVICE BULLETIN FILE WITH SERVICE BULLETIN M-1026 (SAFETY RECALL CODE 079)

General

Supplementary Service Bulletin M-1028 contains revised and additional information regarding Service Bulletin M-1026 (Safety Recall Code 079).

In Service Bulletin M-1026, Hardware Kit 93665 is incorrectly specified for installation on 1987 FXLR models. Instead, Hardware Kit 93666 should be used on 1987 FXLR models. Continue to use Hardware Kit 93665 on 1988 - Early 1992 FXLR models. Please correct the table shown on page 1 of Service Bulletin M-1026.

In addition to the affected models specified in Service Bulletin M-1026, Harley-Davidson has determined that the following models are also affected:

- 1987 - Early 1993 FXR and FXD Dyna Glide models on which accessory Convertible Windshield Kit 91849-85A has been installed.
- 1987 - Early 1993 FXR models on which accessory Compact Windshield Kit 58006-87 has been installed.

Please contact customers whose motorcycles are equipped with either of the above accessory kits, and arrange to have the windshield brackets/clamps updated. Refer to the following information in order to identify and service the affected vehicles.

ACCESSORY CONVERTIBLE WINDSHIELD KIT

See Figure 1. FXR and FXD models equipped with accessory Convertible Windshield Kit 91849-85A will have the old style windshield mounting bracket clamps (1) installed and will require replacement of the clamps; refer below.

FXR and FXD models equipped with accessory Convertible Windshield Kit 91849-85B (shipped to dealers since April 1992) will have the new style windshield mounting bracket clamps (3) installed and will not require replacement of the clamps. However, these models may still require installation of the new button head TORX front fork pinch screws, as specified in Service Bulletin M-1026 (Safety Recall Code 079).

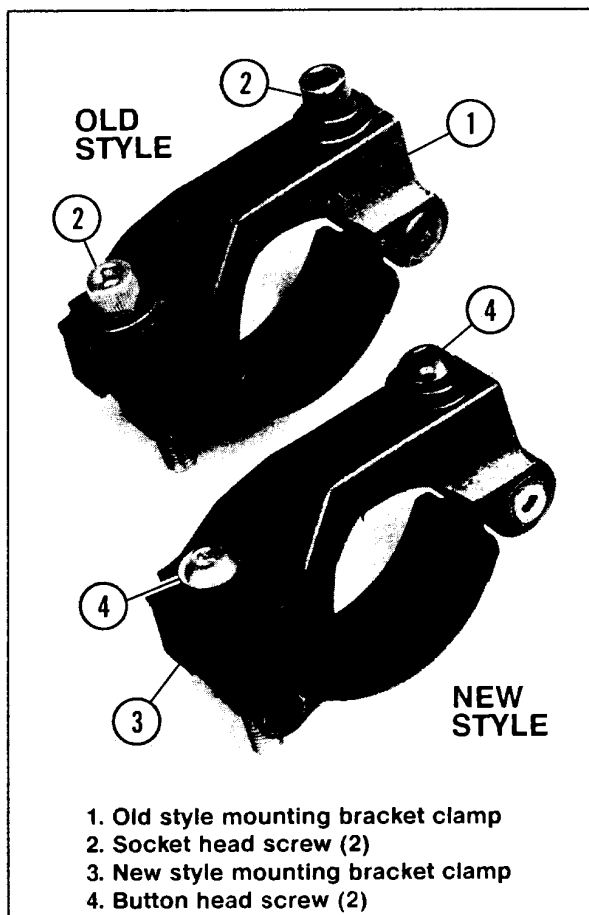


Figure 1. Convertible Windshield Mounting Bracket Clamps - Old Style (from Kit 91849-85A) and New Style (from Kit 91849-85B)

NOTE

In order to distinguish between old style mounting bracket clamps (1) of Kit 91849-85A and new style mounting bracket clamps (3) of Kit 91849-85B, note the type of screws used in each style of clamp -- socket head screws (2) are used in old style clamps (1) of Kit 91849-85A; button head screws (4) are used in new style clamps (3) of Kit 91849-85B.

ROUTING	SERVICE MANAGER	SALES MANAGER	PARTS MANAGER	LEAD TECHNICIAN	TECHNICIAN NO. 1	TECHNICIAN NO. 2	TECHNICIAN NO. 3	TECHNICIAN NO. 4	RETURN THIS TO
INITIAL HERE									

1992 Harley-Davidson®, Inc.

1987 - Early 1992 FXR and FXD Models

1987 - Early 1992 FXR and FXD models were originally equipped with hex socket head pinch screws on the front fork brackets. Replace the original equipment front fork bracket pinch screws and the accessory windshield mounting bracket clamps on 1987 - Early 1992 FXR and FXD models equipped with accessory Convertible Windshield Kit 91849-85A. Install Hardware Kit 93668 according to the procedure stated in Service Bulletin M-1026 (Safety Recall Code 079).

NOTE

- If Service Bulletin M-1026 (Safety Recall Code 079) has already been performed on the motorcycle -- that is, the hex socket head pinch screws of the front fork bracket have been replaced with button head TORX screws -- then you will only need to replace the windshield mounting bracket clamps.
- Hardware Kit 93668 includes two 3/8 - 16 x 1-1/2 in. pinch screws and two 3/8 - 16 x 2 in. pinch screws; the longer pinch screws are needed when the motorcycle has fork-mounted directional lamps. If the motorcycle has handlebar-mounted directional lamps, you will need a total of four 3/8 - 16 x 1-1/2 in. pinch screws (part no. 4351) for that application; since Hardware Kit 93668 includes only two of the shorter pinch screws, you will need two more of the shorter pinch screws. Order these screws (part no. 4351) from Harley-Davidson.

Late 1992 - Early 1993 FXR and FXD Models

Late 1992 - Early 1993 FXR and FXD models were originally equipped with the new button head TORX pinch screws on the front fork brackets. Verify that the front fork bracket pinch screws on your particular vehicle are of the new button head TORX style; you will not need to replace these pinch screws. Replace only the windshield mounting bracket clamps on Late 1992 - Early 1993 FXR and FXD models equipped with accessory Convertible Windshield Kit 91849-85A. Install the windshield mounting bracket clamps from Hardware Kit 93668 according to the procedure stated in Service Bulletin M-1026 (Safety Recall Code 079).

ACCESSORY COMPACT WINDSHIELD KIT

See Figure 2. 1987 - Early 1993 FXR models equipped with accessory Compact Windshield Kit 58006-87 will have hex socket head front fork bracket pinch screws (2) and old style windshield mounting brackets (4) installed. Replace the pinch screws and windshield mounting brackets on these models. Install Hardware Kit 93679, which contains the following components:

QTY	DESCRIPTION
4	Bolt, hex 5/16 - 18 x 5/8 in.
2	Screw, button head TORX 3/8 - 16 x 2 in.
4	Screw, button head TORX 3/8 - 16 x 1-1/2 in.
8	Washer, Belleville
4	Locknut, hex nylon 1/4 - 20
4	Locknut, hex nylon 5/16 - 18
4	Bolt, shoulder 1/4 - 20 x 13/16 in.
1	Bracket, right windshield mounting
1	Bracket, left windshield mounting
2	Clamp, windshield mounting bracket

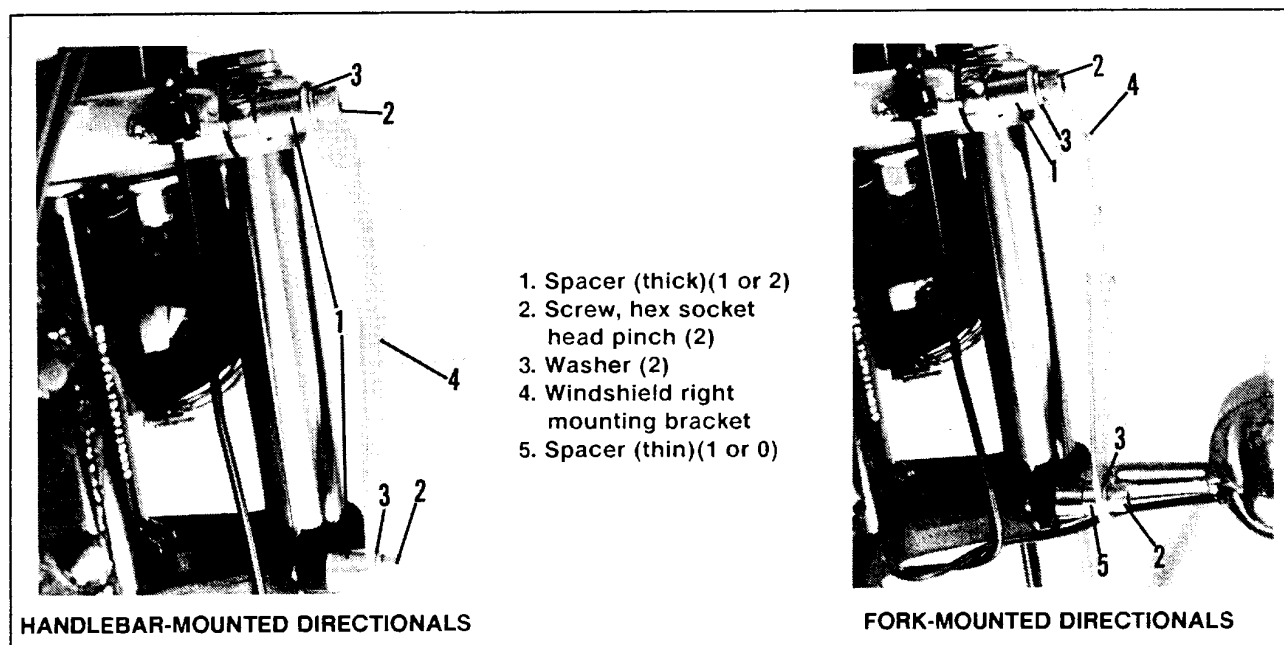


Figure 2. Accessory Compact Windshield Kit 58006-87 -- Right Side Mounting Hardware

Hardware Kit 93679 will be available after September 24, 1992 from Harley-Davidson Parts and Accessories. Use standard ordering procedures; you will be credited for the cost of this kit when, after you have completed the kit installation, Harley-Davidson receives your properly completed Dealer Service Card (see CREDIT PROCEDURE Section).

Install Hardware Kit 93679 according to the following procedure:

1. Support motorcycle on a center stand such that front wheel is raised slightly off the ground.
2. See Figure 2. Remove and discard fasteners which attach right side of windshield assembly to windshield right mounting bracket (4).
3. Remove hex socket head pinch screw (2), washer (3), and spacer (1) from right side of front fork upper bracket; discard screw, washer, and spacer.

NOTE

Do not overloosen or remove pinch screw (2) on right side of front fork lower bracket at this time; otherwise, fork tube may slide downward within fork brackets. If this occurs, front fork tube extension above front fork upper bracket will have to be readjusted according to appropriate Service Manual procedures.

4. Loosen hex socket head pinch screw (2) on right side of front fork lower bracket only enough to allow you to pivot the windshield right mounting bracket (4) forward somewhat. Pivot the mounting bracket (4) forward to expose open pinch screw hole in right side of front fork upper bracket.
5. Install new 1-1/2 in. long button head TORX screw from kit into pinch screw hole in right side of front fork upper bracket. Verify that proper right front fork tube extension exists above front fork upper bracket (must be identical to left front fork tube extension). Tighten new pinch screw to 30 - 35 ft-lbs torque.
6. Remove hex socket head pinch screw (2), washer (3), windshield right mounting bracket (4), and spacer (1 or 5) from front fork lower bracket; discard screw, washer, mounting bracket, and spacer. On models with fork-mounted directionals, lift right directional lamp assembly away from front fork lower bracket; let directional lamp hang by its wiring.
7.
 - On models with handlebar-mounted directionals, install new 1-1/2 in. long button head TORX screw from kit into pinch screw hole in right side of front fork lower bracket. Tighten screw to 30 - 35 ft-lbs torque.
 - On models with fork-mounted directionals, insert new 2 in. long button head TORX screw from kit through mounting hole of right directional lamp assembly and into right side pinch screw hole of front fork lower bracket; make sure directional lamp lens is aimed directly forward. Tighten screw to 30 - 35 ft-lbs torque.

8. See Figure 3. Loosely install new windshield right mounting bracket (2) and a windshield mounting bracket clamp (3) from kit onto right front fork tube using two 5/16 - 18 x 5/8 in. hex flange bolts (7) and two 5/16 - 18 locknuts (8) from kit.

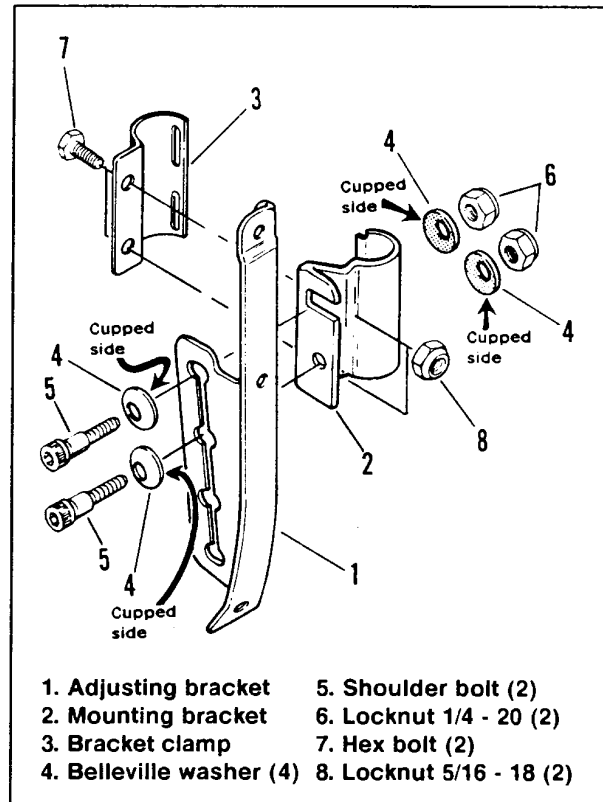


Figure 3. New Compact Windshield Mounting Hardware -- Right Side

9. Position original windshield right adjusting bracket (1) (part of windshield assembly) over outboard side of new windshield right mounting bracket (2).

WARNING

Do not substitute any ordinary fasteners in place of the special shoulder bolts (5) and Belleville washers (4) included with this special kit. These bolts and washers are designed to maintain a specific clamping force in this windshield mounting application.

10. Insert a shoulder bolt (5) through one Belleville washer (4) (with concave [cupped] side of washer facing away from bolt head), through slot of adjusting bracket (1), and slotted, upper hole in mounting bracket (2). Install another Belleville washer (4) (with concave [cupped] side of washer facing windshield right mounting bracket) and a locknut (6) over end of bolt. Do not final tighten at this time.
11. Install the same fastener arrangement (as in the previous step) through slot of adjusting bracket (1) and round, lower hole of mounting bracket (2). Do not final tighten at this time.

12. Verify that windshield is properly positioned (and not distorted) on motorcycle. Secure mounting bracket (2) and clamp (3) to front fork tube by tightening locknuts (8) to 12 ft-lbs torque.

WARNING

Before tightening shoulder bolts (5) and locknuts (6), verify that the outer Belleville washer (4), the adjusting bracket (1), the mounting bracket (2), and the inner Belleville washer (4) are positioned over the unthreaded, larger O.D. shaft section of each shoulder bolt (5); also verify that the mating surface (shoulder) of each shoulder bolt (5) contacts the mating surface of the attached locknut (6).

13. Secure adjusting bracket (1) to mounting bracket (2) by tightening shoulder bolts (5) and locknuts (6) to 8 - 10 ft-lbs torque.
14. Repeat all the above steps for left side of vehicle.

Fill in information and send to HARLEY-DAVIDSON, INC. immediately upon completion of required service on motorcycle.

DEALER SERVICE CARD

VIN NUMBER _____

DEALER ACCT. NO. _____

DEalersHIP NAME _____

SERVICE CODE _____

ADDRESS _____

CITY, STATE, ZIP CODE _____

CUSTOMER NAME _____

ADDRESS _____

CITY, STATE, ZIP CODE _____

Owner Information _____

Service has been performed as follows: (insert appropriate letter & quantity in Box)

I = Inspect _____

C = Correct _____

LETTER box QTY. box

Dealer Signature _____ Date _____

THE RECOMMENDED SERVICE HAS BEEN PERFORMED

Customer Signature _____ Date _____

FACTORY COPY

P. AMOUNT box

LETTER box

QTY. box

Figure 4. Dealer Service Card

Credit Procedure

1987 - EARLY 1992 FXR AND FXD MODELS (MODELS COVERED BY SERVICE BULLETIN M-1026 [RECALL CODE 079])

See Figure 4. After servicing each vehicle, complete the Dealer Service Card provided. Place a "C" in the "LETTER" box and a "1" in the "QTY." box. Fill in your Dealer Account Number, the VIN (vehicle identification number), your dealership name and address, and the owner information, if blank.

In addition, write either "CONV" (for a Convertible windshield model) or "COMP" (for a Compact windshield model) in the "P. AMOUNT" box. This will alert the Harley-Davidson Warranty Department to issue the proper additional labor credit.

Do not return the replaced components to Harley-Davidson, Inc.

When Harley-Davidson receives your properly completed Dealer Service Card, you will be credited with the 0.2 hour standard labor time listed in the table on page 5 of Service Bulletin M-1026 **plus** an additional 0.2 hour labor time to cover the windshield removal and installation. On models equipped with accessory Compact Windshield Kit 58006-87 in which you have installed Hardware Kit 93679, you will also receive credit for the cost of Hardware Kit 93679.

LATE 1992 - EARLY 1993 FXR AND FXD MODELS (MODELS NOT COVERED BY SERVICE BULLETIN M-1026 [RECALL CODE 079])

After servicing each vehicle, complete a regular warranty claim form **referencing Service Bulletin M-1028**, and return the completed form to Harley-Davidson. You will be credited with 0.4 hour labor time. On models equipped with accessory Compact Windshield Kit 58006-87 in which you have installed Hardware Kit 93679, you will also receive credit for the cost of Hardware Kit 93679.

Dealer Inventory

Do not sell any Convertible Windshield Kits 91849-85A or Compact Windshield Kits 58006-87. Instead, return all inventory of these kits, along with a properly completed "E" form **referencing Service Bulletin M-1028**, to Harley-Davidson Parts and Accessories Return Department. You will receive full credit for each returned kit.

If you wish to replace your returned inventory, order the following kits which contain the new style windshield mounting hardware:

Convertible Windshield Kit -- Part No. 91849-85B

Compact Windshield Kit -- Part No. 58006-87A