

SERVICE BULLETIN



M-1107

February 20, 2001

STATOR/VOLTAGE REGULATOR CONNECTOR RELOCATION

General

Harley-Davidson has learned that the routing of the stator wires and the placement of the stator/voltage regulator connector may allow primary chaincase lubricant to seep from the chaincase into the connector on some 1999 or later FLT model vehicles. To prevent this condition from occurring, the stator/voltage regulator connector has since been relocated (raised) on all production touring models.

If the seepage condition is found on a vehicle built prior to the production change, relocate the stator/voltage regulator connector and reroute the wiring as described below.

Connector Relocation/Cable Routing

1. Moving to right side of vehicle, carefully cut two cable straps holding stator/voltage regulator connector/clip and cables to lower frame tube. See Figure 1.
2. Pull connector clip toward front of vehicle to release from T-stud on inboard side of frame tube. Remove clip from connector. Discard clip.
3. Depress the external latch and use a rocking motion to separate pin and socket halves of connector.

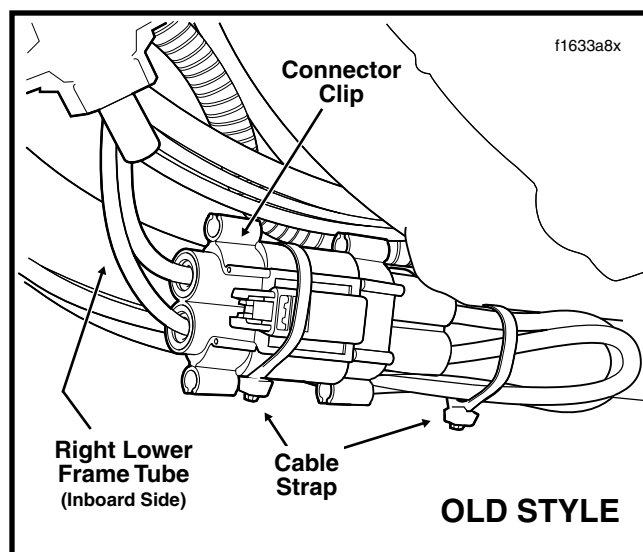


Figure 1. Stator/Voltage Regulator Connector (Left Side View)

4. Free stator/voltage regulator cables from cable clips on inboard side of lower frame crossmember. Remove cable clips from T-studs and discard.
5. Keeping voltage regulator cables and pin housing on right side of vehicle, draw socket housing and stator cables to left side.
6. Obtain five **new** cable straps.

Voltage Regulator Cables To Pin Housing - Right Side

7. From cable clip at front right side of lower frame crossmember, start cables up the front of the right frame downtube crossing to the rear about two inches from the bottom. Capturing frame tube and voltage regulator cables, install first cable strap at this location. See number 1 in Figure 2.
8. Following the rear of the downtube, route the cables up to the cross brace between downtubes.
9. Insert second cable strap through hole on bottom right side of brace loosely capturing clutch cable at front of brace and voltage regulator cables at rear.

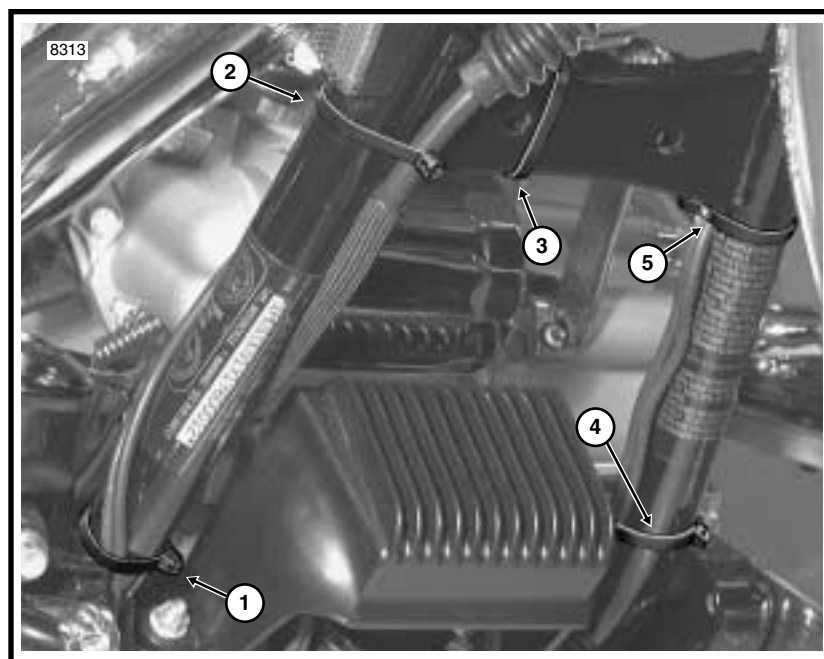


Figure 2. Cable Routing and Cable Strap Location (Right Front View)

(First remove existing cable strap at this location, if present.) See number 2 in Figure 2.

10. Loosely install third cable strap around brace capturing pin housing on inboard side. See number 3 in Figure 2.

Stator Cables To Socket Housing - Left Side

11. Remove locknut from left side leg of voltage regulator. Loosen right side locknut. Raise voltage regulator as necessary to free left side leg from stud on lower frame crossmember.
12. Move to left side of vehicle. Feed socket housing and cable conduit up and then forward between lower frame crossmember and engine stabilizer link to left frame downtube. Capturing stator cables, install fourth cable strap about two inches from bottom of frame downtube. See number 4 in Figure 2.
13. Raise voltage regulator as necessary to install left side leg onto stud. Install locknut. Alternately tighten both left and right side locknuts to 7-10 ft-lbs (10-14 Nm).
14. Route stator cables up the rear of the left frame downtube to the cross brace. Install fifth cable strap where downtube meets bottom of cross brace. See number 5 in Figure 2.
15. With the external latch facing rearward, mate pin and socket halves of connector at back of cross brace. Push halves together until the latch "clicks."
16. Tighten the five cable straps. Cut any excess cable strap material.
17. See CREDIT PROCEDURE on this page.

NOTE

Side car routing is the same as that described with the following exceptions:

- Cables are routed in front of the stabilizer adjuster and inboard of both the left and right stabilizers. See Figure 3.
- Connector is cable strapped at bottom of cross brace.
- The cable strap on the top right side (identified as number 2 in this document) captures voltage regulator cables only and is installed where the downtube meets bottom of cross brace, like the left side.

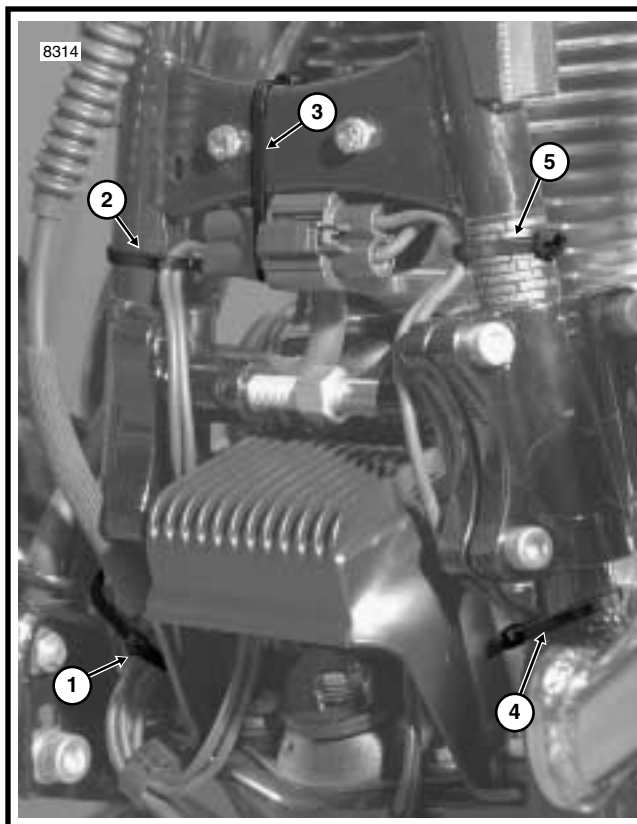


Figure 3. Side Car Cable Routing and Cable Strap Location (Left Front View)

Credit Procedure

Credit will be paid for affected vehicles still in warranty. Use condition/labor code 5311 and file a Warranty Claim following the normal warranty procedures.

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