

General Information

When replacing a hood pivot on a Western Star 4900 vehicle, discard the old fasteners and replace them with the new fasteners listed in [Table 1](#) and [Table 2](#), using the procedure in this bulletin.

Procedure

1. Park the vehicle on a level surface, shut down the engine, and set the parking brake. Chock the tires.
2. Place a support between the floor and the front of the hood; see [Fig. 1](#).
The support should be as wide and as long as the front of the hood, and should be the same height as the lowest edge of the hood. Place cardboard, carpet, rags or other padding on top of the support to protect the hood.
3. Tip the hood back about half-way, until it is balanced over the pivot, to remove the tension on the torsion springs. Prop the hood in this position or have another person support it there.
4. Remove the bolts that attach the springs and the safety cable to the radiator mounted bracket. See [Fig. 2](#).

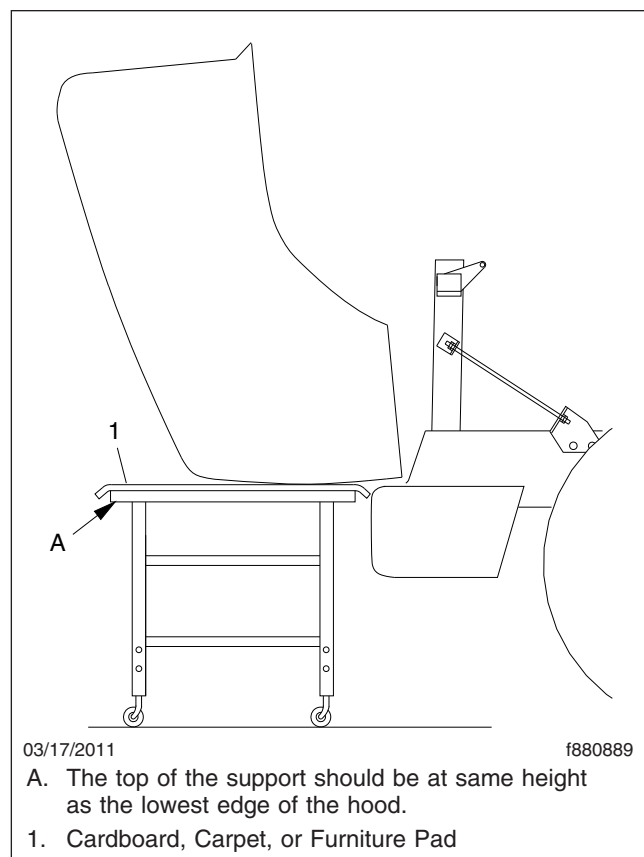


Fig. 1, Supporting the Hood

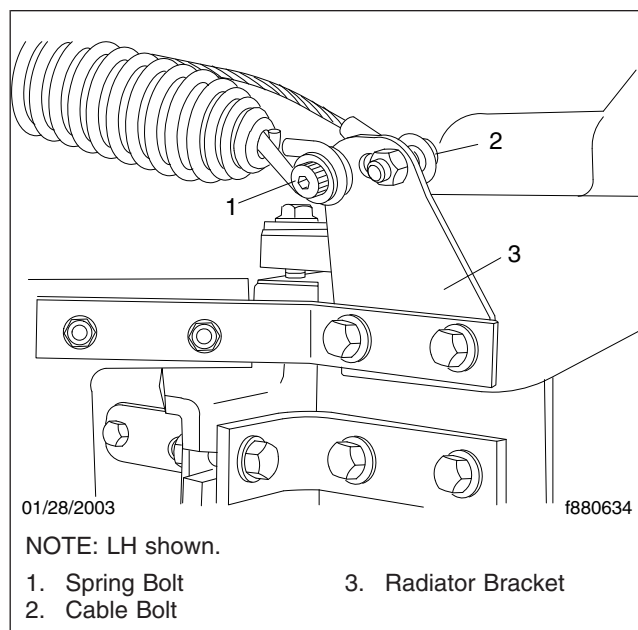


Fig. 2, Torsion Spring and Safety Cable

5. Rest the hood fully open on the support.
6. Cut the tie straps that retain the headlight harness, and unplug the headlight connectors.

7. Remove the hood pivot nut, bolt, and washer. See [Fig. 3](#).
8. Carefully roll or slide the hood support and hood away from the vehicle.
9. Remove the hood pivot from the pivot mount. Discard the capscrew and washer. See [Fig. 4](#).

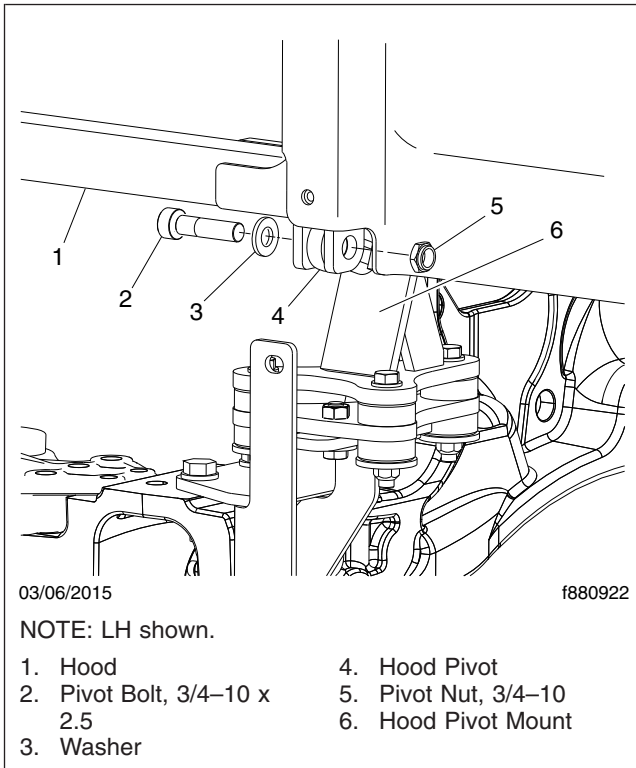


Fig. 3, Hood Pivot

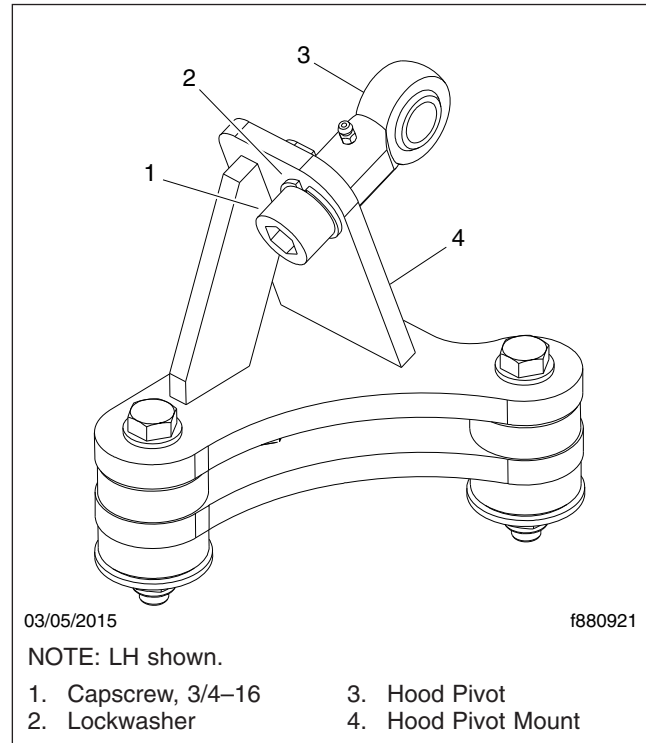


Fig. 4, Hood Pivot Mounting

10. Using a new capscrew and lockwasher (see [Table 1](#)), install the hood pivot on the mount. Tighten the capscrew 170 to 180 lbf-ft (230 to 244 N·m). See [Fig. 4](#).
11. Supporting the hood, align the pivot bracket on the hood with the pivot.
12. Using new fasteners (see [Table 2](#)), insert the pivot bolt and washer, and secure with the nut. See [Fig. 3](#). Tighten the nut 260 lbf-ft (350 N·m).
13. Plug in the headlight harness connectors and use tie straps to fasten them securely to the hood.
14. Close the hood half-way and support it. Bolt the torsion springs and safety cables to the radiator bracket. Tighten the torsion spring and safety cables 16 lbf-ft (21 N·m).
15. Remove the hood support and close and latch the hood.
16. Check and adjust the hood alignment following the instructions in *Western Star Workshop Manual*, **Section 88.00, Subject 120**.

Replacement Parts

Parts are available through the PDCs.

See [Table 1](#) and [Fig. 4](#) for hood pivot replacement parts.

See [Table 2](#) and [Fig. 3](#) for the pivot mounting replacement parts.

Parts for Pivot Mounting, 4900 Models		
Part Number	Description	Qty.
23-09447-125	SCREW-CAP, HEX, GRADE 8, 3/4-16 UNF	2
WWS 131046	WASHER-HELSPG LOCK ZN 0.75	2

Table 1, Parts for Pivot Mounting, 4900 Models

Parts for Hood Pivot Replacement, 4900 Models		
Part Number	Description	Qty.
23-14085-250	SCREW-CAP, HEXSOCH, 3/4-10 x 2.5	2
23-09114-014	WASHER-HRDN, 0.81 x 1.13 x 0.177, ZN	2
23-13577-111	NUT-PTRQ 3/4-10NC GRC	2

Table 2, Parts for Hood Pivot Replacement, 4900 Models

Warranty

This bulletin is informational only. Warranty does not apply.