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Coding Information

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Title: Hood Adjustment 4300 and 4400
Applies To: 4300 4400

DESCRIPTION

Hood Adjustment Procedures

PROCEDURE

Condition: Lower Front Edge Of Hood Is Not Parallel To Bumper

1. Verify that bumper is properly mounted and not bent due to accident damage.
2. Remove grille. Refer to Service Manual [S09003](#).
3. Open the hood and disengage the torsion bar assist system (remove the hairpin retainer behind the bumper and pull the torsion bar up out of the chassis bracket).



WARNING:

To avoid personal injury and/or property damage use care when closing the hood.

Close the hood.

4. Loosen the three hood-hinge-bracket to hood crossmember mounting bolts.
5. Remove the bolt closest to the low side of the hood.
6. Add spacer washers between the hood hinge bracket and the hood crossmember until the hood to bumper gap is even.

NOTE:

Overall thickness of spacer washers must not exceed 1/8 inch.

Reinstall the bolt making sure it goes through the spacer washer.

8. Remove the middle bolt from the hinge bracket and install spacer washers that are half the thickness of the one installed for the end bolt.
9. Reinstall the middle bolt making sure it goes through the spacer washer.
10. Push the hood rearward to the hood support stops.
11. Tighten the three hood-bracket-to-crossmember mounting bolts to 35 to 43 Lbf-ft (47 to 58 Nm).
12. Open the hood and re-engage the torsion bar assist system. (Push the short arm of the torsion bar into position and install the hairpin retainer.)
13. Close the hood and reinstall grille.

Condition: The Hood To Cowl Gap at Top of Hood is Uneven

1. Remove grille. Refer to Service Manual [S09003](#).
2. Open the hood and disengage the torsion bar assist system (remove the hairpin retainer behind the bumper and pull the torsion bar up out of the chassis bracket.)



WARNING:

To avoid personal injury and/or property damage use care when closing the hood.

3. Close the hood.
4. Loosen the three hood-hinge-bracket to hood crossmember mounting bolts.
5. Reposition the hood so that the hood to cowl gap at top edges of hood is even on both sides.
6. Tighten the three hood-bracket-to-crossmember mounting bolts to 35 to 43 Lbf-ft (47 to 58 Nm).
7. Open the hood and re-engage the torsion bar assist system. (Push the short arm of the torsion bar into position and install the hairpin retainer.)
8. Close the hood and reinstall grille.

Condition: Hood Is Shifted To The Left Or Right At Cab

1. Remove grille. Refer to Service Manual [S09003](#).
2. Loosen the three hood hinge bracket to hood crossmember mounting bolts.
3. Remove the four hood support bracket bolts on the side where the hood is closest to the cowl.
4. Shim out the hood support bracket until both sides of the hood are even.
5. Tighten the four hood support bracket bolts to 28 to 35 Lbf-ft (38 to 47 Nm).
6. Push the hood rearward to the hood support stops.
7. Hold hood in proper alignment and tighten the three hood-bracket-to-crossmember mounting bolts to 35 to 43 Lbf-ft (47 to 58 N-m).
8. Reinstall grille.

Condition: The Hood Style Line Does Not Match The Cab Style Line

1. Raise the hood and slightly loosen all four hood-support-bracket to cab cowl-mounting bolts for side that the style line does not match.
2. Raise or lower the hood support bracket to achieve proper style line alignment. Since the hood must be raised in order to adjust the hood support bracket, it may require more than one attempt to achieve proper style line alignment.
3. When proper style line alignment is achieved, tighten the four hood support bracket bolts to 28 to 35 Lbf-ft (38 to 47 Nm).

OTHER RESOURCES

- [TSI 01-09-03](#)



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