NO: 02-11-99 Rev A

SUBJECT: Improved Track Bar And Upper Control Arm To Reduce Front Driveline NVH

DATE: Dec. 31, 1999

THIS BULLETIN SUPERSEDES TECHNICAL SERVICE BULLETIN 02-11-99, DATED JULY 30, 1999, WHICH SHOULD BE REMOVED FROM YOUR FILES. ALL REVISIONS ARE MARKED WITH **ASTERISKS AND INVOLVE A PART AND REPAIR CHANGE.**

OVERVIEW:

This bulletin involves installing a front track bar damper and both front upper control arms.

NOTE: THE TRACK BAR REPAIR APPLIES TO VEHICLES BUILT PRIOR TO SEPTEMBER 25, 1998 (MDH 0925XX). THE UPPER CONTROL ARM REPAIR APPLIES TO VEHICLES BUILT PRIOR TO JANUARY 12, 1999 (MDH 0112XX).

SYMPTOM/CONDITION:

While driving, the vehicle operator may identify front driveline noise, vibration, or harshness (NVH) which is being transmitted into the passenger compartment. The front driveline NVH condition may occur at different vehicle speeds and during different driving modes (i.e. during coast, float, drive, or cruise).

DIAGNOSIS:

Road test the vehicle to determine the degree of front driveline NVH transmission into the passenger compartment. Normally, this repair will have greatest impact with light to moderate NVH transmission from the front axle. Verify no metal-to-metal contact exists between the front axle lower control arms and the sill area immediately above where the control arms attach to the vehicle body. If there is a significant amount of front axle NVH present, then further driveline diagnosis is required to determine its cause.

NOTE: THIS REPAIR, BY ITSELF, WILL NOT CORRECT SIGNIFICANT FRONT DRIVELINE NVH. IN THOSE INCIDENCES, THIS REPAIR MAY BE MOST BENEFICIAL WHEN PERFORMED WITH AN AXLE REBUILD REPAIR.

The revised track bar has a two piece cylindrical dampening weight strapped near the right end of the bar. The revised upper control arm metal thickness is 2.3 mm (0.091 in.) versus the original upper control arm thickness of 1.5 mm (0.060 in.).

If the front axle noise is light to moderate, and the vehicle parts and/or vehicle repair history does not indicate previous replacement of parts listed below, then perform the Repair Procedure.

PARTS REQUIRED:

Qty	Part No.	Description
**1	05017512AA	Package, Front Track Bar Damper**
2	52088208AC	Arm, Upper Control

REPAIR PROCEDURE:

1. Raise and support the vehicle.
2. Support the front axle as required.

3. **Install the front track bar damper (p/n 05017712AA) on to the front track bar per instructions supplied with package.**
4. Remove the left jounce bumper.
5. Remove the left upper control arm mounting nut and bolt used to attach the control arm to the axle.
6. Remove the left upper control arm mounting nut and bolt used to attach the control arm to the frame rail.
7. Remove the left upper control arm.
8. Position the left upper control arm (p/n 52088208AC) at the axle and frame rail.
9. Install, finger tight, the nuts and bolts attaching the control arm to the axle and frame rail.
10. Remove the right upper control arm mounting nut and bolt used to attach the control arm to the axle.
11. Remove the right jounce bumper.
12. Remove the right upper control arm mounting nut and bolt used to attach the control arm to the frame rail.
13. Remove the right upper control arm.
14. Position the new right upper control arm (p/n 52088208AC) at the axle and frame rail.
15. Install, finger tight, the nuts and bolts attaching the control arm to the axle and frame rail.

    NOTE: BEFORE LOWERING THE VEHICLE OFF OF THE HOIST, INSPECT THE LOWER CONTROL ARMS OF THE FRONT AXLE FOR CLEARANCE. CHECK FOR A MINIMUM CLEARANCE OF 0.075 MM (0.003 IN.) BETWEEN THE SILL RAIL (FRAME) AND THE REAR LOWER CONTROL ARM ATTACHMENT.

16. Lower the vehicle.

    NOTE: ONLY WHEN THE VEHICLE HAS BEEN LOWERED, AND THE FRONT AXLE IS SUPPORTING ITS NORMAL WEIGHT, SHOULD ALL ATTACHING BOLTS BE TIGHTENED TO THEIR PROPER TORQUE. THIS IS CRITICAL IN OBTAINING MAXIMUM AXLE ISOLATION FROM THESE COMPONENTS.

17. Install both jounce bumpers.
18. Tighten each upper control arm attaching bolt (four in total) to 75 Nm (55 ft. lbs.).
19. Check wheel alignment of the vehicle.

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Op. No.	Time
02-10-76-96	1.3 Hrs.

FAILURE CODE:

Code	Description
P8	New Part