

Steering and Suspension: All Technical Service Bulletins

Steering Wheel Oscillation/Vibration With EVO Steering

Bulletin: 92-3-21

Date: May '93

Ref.No.: 92-348-3

Corp.Ref.No.: 333206

SUBJECT:
STEERING WHEEL OSCILLATION/VIBRATION (NEW STEERING DAMPER)

MODELS AFFECTED:
1992 ROADMASTERS WITH EVO STEERING (RPO NV7)

CONDITION:

Some 1992 Roadmasters with variable effort Power Steering (RPO NV7), may exhibit a slight steering wheel oscillation/vibration apparent when operated over irregular/rough road surfaces.

CAUSE:

Reduced power assist requirements result in greater road feel inputs being transmitted through the steering system.

CORRECTION:

Install a steering damper and required attaching components noted in the service procedure as indicated.

<u>P/N</u>	<u>Part Description</u>	<u>Quantity</u>
10245794	Damper Frame Bracket	1
4993536	Steering Damper	1
26037685	Steering Relay Rod Kit	1
454947	Bolt	1
9422299	Nut	1

Parts Required

Service Procedure:

1. Disconnect battery.
2. Remove steering linkage relay rod following applicable Service Manual procedure in Section 3B3, "Steering Linkage".

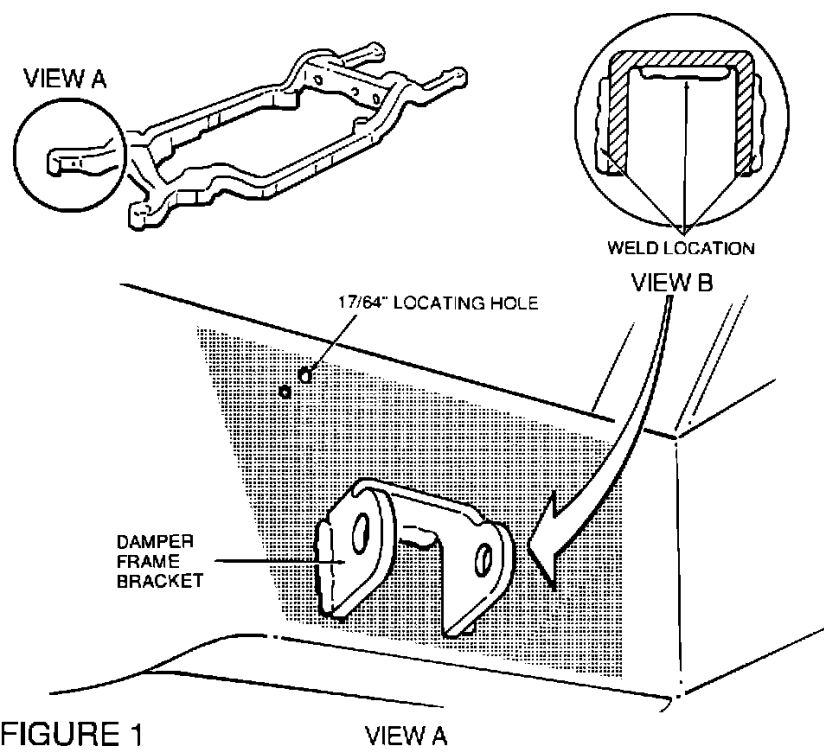
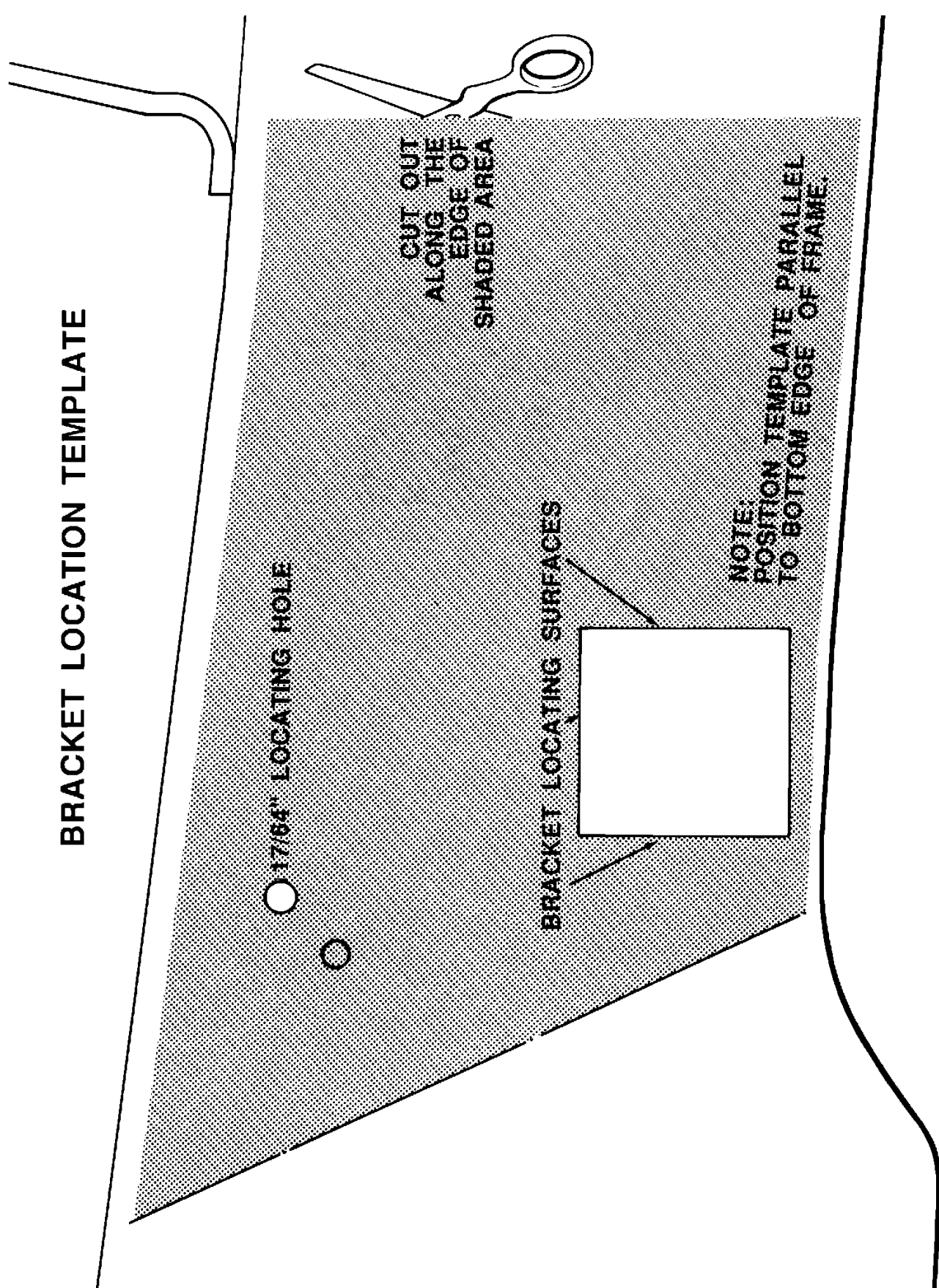


FIGURE 1

VIEW A

3. Referring to Figure 1, locate approximate area where damper bracket is to be welded to R.H. inner frame rail. Clean area with GM Tar and Road Oil Remover, P/N 1050172, or equivalent, insuring all dirt and wax coating is removed.

BRACKET LOCATION TEMPLATE



4. Position provided template on frame rail with a 17/64" drill bit inserted into hole in the frame and template. Rotate template so that bottom edge of template is parallel to the bottom edge of frame rail. Mark/scribe the location of the upper and two sides noted on the template as being the locating points for the bracket.
5. Secure and shield fuel lines upward and out of the way of the area where bracket is to be welded.
6. Position damper bracket onto frame rail and M.I.G. weld bracket to frame using American Welding Society Standard ER70S-6 wire

and 75 percent argon 25 percent CO₂ gas. Refer to Figure 1 for proper weld bead location.

NOTE:

Only M.I.G welding is approved for this application. The welder must be properly grounded to the front suspension crossmember of the frame. Grounding to any bolted on part is not approved.

7. Apply GM Anti-Corrosion Compound, P/N 12345489 (16 oz. aerosol can) or equivalent to frame and bracket, insuring all bare metal surfaces are covered.
8. Remove shielding utilized to protect fuel lines and position fuel lines in original location.

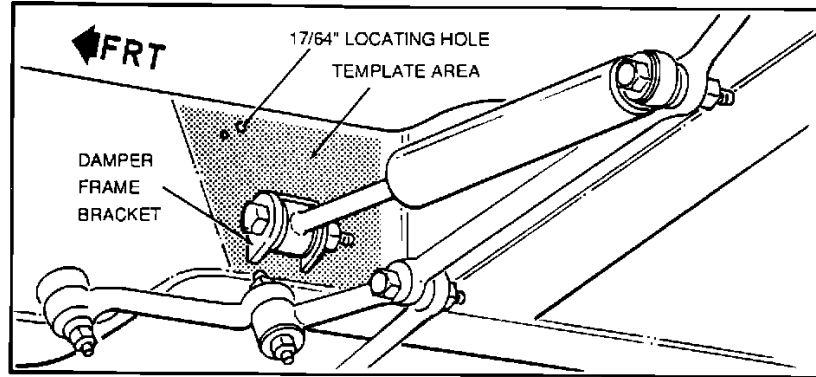


FIGURE 2

TORQUE SPECIFICATIONS:

BOLT, DAMPER FRAME BRACKET - 40 lb. ft. (54 N•M)

NUT, DAMPER RELAY ROD - 40 lb. ft. (54N•M)

ALL OTHER RELAY ROD ATTACHMENTS - 35 lb. ft. (47N•M)

9. Install steering relay rod and steering damper following applicable Service Manual procedures in Section 3B3, "Steering Linkage", and those noted in Figure 2.

Torque Specifications:

Bolt, Damper Frame Bracket 54 N-m (40 lb.ft.) Nut, Damper Relay Rod 54 N-m (40 lb.ft.) All Other Relay Rod Attachments 47 N-m (35 lb.ft.)

10. Reconnect battery.

Parts are expected to be available on 6/7/93.

WARRANTY INFORMATION:

Labor Operation: T3329

Labor Time: 1.7 hrs.