WAGNER® Brake Fax #38 SM
SERVICE TIPS FOR THE PROFESSIONAL TECHNICIAN
WAGNER® Brake Products
The #1 Choice

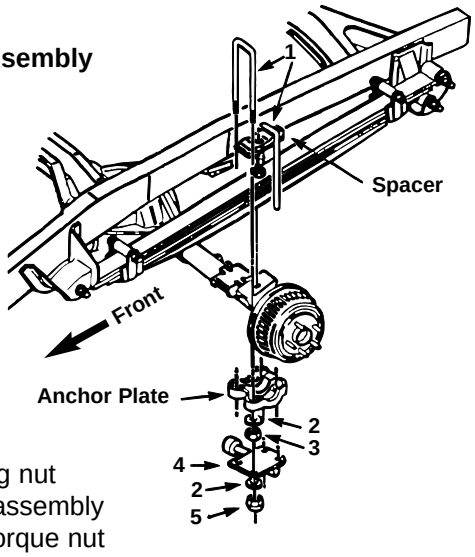
1988-1990 One Ton Chevrolet Trucks

Chevrolet Truck Brake Noise

A moan or howling noise may be heard during brake application at low speeds on some 1988-1990 one ton Chevrolet Trucks, both two wheel drive and four wheel drive models. The noise is caused by normal brake drum vibrations which make the rear brake backing plates oscillate at an audible frequency. This noise will not damage or destroy any of the vehicle components. To correct this condition, General Motors has modified the rear axle assemblies on C30 and K30 trucks in order to change the resonant frequency. Vehicles built after the following VIN brake points have the new axle assemblies already installed:
VIN: 1 GCGK34N6LE244095 -Pontiac East Assembly Plant
VIN: 2GCGC39N6LI 252916 -Oshawa Truck Assembly Plant
To correct this condition in service. a tuned dampener assembly has been developed.When installed at the rear leaf spring “U” bolts, the dampener will oscillate 180 degrees out of phase with the resonant frequency, effectively eliminating the generation of the noise.
Refer to the following service procedure in Figure

1. Be sure to take all safety precautions, then raise the vehicle on a hoist and support the rear axle independently to relieve the tension on the leaf spring.
2. Remove the existing nuts and washers from the “U” bolts.
3. Remove the existing anchor plates.
4. Remove existing “U” bolts and existing spacers.
5. Clean anchor plates, spacers and axle mating surfaces with a wire brush.
6. Install spacers and replacement “U” bolts (1).
7. Install anchor plates.
8. Install replacement washers (2) and free running replacement nuts (3).
9. Torque nuts to 20Nm (15 ft. lbs.), then tighten them in a diagonal sequence to a torque on 160 Nm (188 ft. lbs.).
10. Install dampener assembly (4) with the dampening arm toward the driveshaft (Figure 1).
11. Install replacement washers (2) and existing torque nuts (5).
12. Torque nuts to 20Nm (15 ft. lbs.), then tighten them in a diagonal sequence to a torque on 160 Nm (188 ft. lbs.).
13. Remove axle support and lower hoist.
14. Road test vehicle to verify the repair.

Dampener Assembly Installation



1. "U" Bolt
2. Washer
3. Free running nut
4. Dampener assembly
5. Prevailing torque nut

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