



# MGM Brakes

A Division of Indian Head Industries, Inc.

## SERVICE BULLETIN

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**SUBJECT: MGM BRAKES SERVICE CHAMBER DIAPHRAGM REPLACEMENT PROCEDURE**

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- 1.0 Place chocks under the vehicle wheels to prevent runaway.
- 2.0 To facilitate ease of installation, the service chamber pushrod should be extended (either by service air pressure or manually by pushing the slack adjuster away from the brake chamber). Use vise-grip pliers to lock the pushrod in place. Lock grips on pushrod against mounting bracket face.  
  
**Important:** After vise-grip pliers are applied, remove (release) all air pressure from the service chamber.
- 3.0 Remove clamp band nuts and remove the clamp band, pressure cap, and diaphragm from the service chamber.
- 4.0 Discard diaphragm and inspect all visible components for damage i.e. (return spring, non-pressure chamber, pushrod plate, and pressure cap). Replace severely worn or damaged components.
- 5.0 Install a new service chamber diaphragm in the pressure cap and align the pressure cap and diaphragm with the non-pressure chamber.
- 6.0 Install clamp band. Tap the clamp band around its circumference while tightening the clamp band nuts to ensure proper seating. Tighten nuts to 20-25 lb-ft. torque.
- 7.0 Release vise-grip pliers from the service chamber pushrod.
- 8.0 Apply air pressure to the service chamber and check for air leakage.
- 9.0 Make sure the foundation brakes are adjusted to the vehicle manufacturers specifications.