



**BRAKES**

# ENGINEERED SOLUTIONS

**No. BES 11-04**

**Subject:** High Pitch Ringing Noise Front Brakes

**Vehicles Involved:** 2001-2003 MITSUBISHI GALLANT w/ V6 engine built before 7/23/02, GALLANT, ECLIPSE and ECLIPSE SPYDER w/ 4 cylinders built before 7/23/02

**Condition:** High pitch noise from the front brakes during light brake application, at low speeds coming to a stop.

**Repair:**

1. Apply the brakes several times after the rotors are warm, than lightly apply the brakes while driving between 5-35 mph or 8 km/h to 54 km/h. If the noise is high pitch or similar to the sounds of a rotor being turned on a brake lathe, replace both front brake caliper support brackets.
2. Remove front wheels and tires.
3. Inspect brake pads and rotors for glazing, replace or machine rotors if necessary.
4. Remove the front brake caliper support bolts. Hang the Caliper so not to damage the brake hose.
5. Remove the caliper support bracket from the front knuckle assembly and replace with the new improved part.
6. MITSUBISHI PART NUMBER: MN102821
7. Reassemble the caliper to the support bracket.
8. Apply a light coat of high temp silicone to the caliper pins and support pin holes.
9. Lubricate and attach the rubber pin boots, secure to their proper position.
10. Road test vehicle to verify proper brake operation and confirm that the noise has been eliminated.