

Power Brake Exchange

260 Phelan Ave. San Jose, Ca. 95112 Ph. (408) 292-1305 Fax (408) 294-6817

Technical Bulletin –TB12

TROUBLESHOOTING THE POWER BOOSTER UNIT:

Here are some helpful hints in determining power booster problems:

*** LOW PEDAL (Excessive pedal travel to apply brakes)**

1. Air in the hydraulic system - (Bleed the hydraulic system thoroughly)
2. Brake shoes are out of adjustment - (Adjust Brake Shoes)
3. Low brake fluid level - (Fill Master Cylinder Reservoirs to proper levels)
4. Broken hydraulic lines - (Check and replace hydraulic lines)
5. Soft or weak hydraulic hose; expands under pressure - (Replace hose)

*** SPONGY PEDAL (Springy sensation to pedal upon application)**

1. Air in the hydraulic system - (Bleed the hydraulic system thoroughly)
2. Brake shoes are out of adjustment - (Adjust Brake Shoes)
3. Soft or weak hydraulic hose; expands under pressure - (Replace hose)

*** HARD PEDAL (Excessive pedal pressure needed to stop vehicle)**

1. Vacuum hose collapsed - (Replace the vacuum hose)
2. Faulty vacuum check valve - (Replace the check valve)
3. Cracked or broken plastic hub - (Replace the Booster unit)
4. Loose or plugged vacuum fittings - (Repair or tighten vacuum fittings)
5. Engine does not develop enough vacuum - (Tune-up required)
6. Swollen master cylinder cups by fluid contamination - (Flush hydraulic system with alcohol to remove contaminated fluid and replace cylinder)
7. Restricted air filter or manual brake boot is installed; boot without air inlet holes (replace the air filter or boot)
8. Damaged diaphragm - (Replace the Booster unit)
9. Damaged valve rod and plunger assembly - (Replace the Booster unit)
10. Binding pedal linkage - (Free up and lubricate the linkage)

*** FADING PEDAL (A falling away of pedal under steady foot pressure)**

1. Loose hydraulic connections; ruptured or damaged hoses or lines causing leakage (Repair or replace faulty parts)
2. Worn or damaged master cylinder - (Replace the master cylinder)

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*** PEDAL KICK-BACK**

1. Hydraulic valve seats damaged by dirt or fluid contamination - (Flush hydraulic system with alcohol to remove contaminated fluid and replace cylinder)

*** PEDAL APPLIES BY ITSELF**

1. Cracked or broken plastic hub - (Replace the Booster unit)
2. Damaged valve rod and plunger assembly - (Replace the Booster unit)

*** DRAGGING BRAKES (Slow or incomplete release of brakes)**

1. Swollen master cylinder cups by fluid contamination - (Flush hydraulic system and replace cylinder)
2. Kinked, collapsed, dented or clogged lines, hoses or connections - (Repair or replace faulty parts)
3. Broken brake return springs - (Replace wheel springs)
4. Binding pedal linkage - (Free up and lubricate the linkage)