

SECTION 06-07 Brake System, Power

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VEHICLE APPLICATION

Taurus/Sable.

DESCRIPTION

WARNING: BRAKE FLUID CONTAINS POLYGLYCOL ETHERS AND POLYGLYCOLS. AVOID CONTACT WITH EYES. WASH HANDS THOROUGHLY AFTER HANDLING. IF BRAKE FLUID CONTACTS EYES, FLUSH EYES WITH RUNNING WATER FOR 15 MINUTES. GET MEDICAL ATTENTION IF IRRITATION PERSISTS. IF TAKEN INTERNALLY, DRINK WATER AND INDUCE VOMITING. GET MEDICAL ATTENTION IMMEDIATELY.

The diaphragm-type brake booster is self-contained and is mounted on the engine side of the dash panel. The vacuum brake booster uses engine intake manifold vacuum and atmospheric pressure for its power.

Adjustment of the push rod (non-ABS) and replacement of the check valve are the only services permitted on the brake booster.

If any brake booster is damaged or inoperative, replace it with a new booster. The brake booster (including the check valve) is serviced only as an assembly.

DIAGNOSIS AND TESTING

Refer to Section 06-00.

REMOVAL AND INSTALLATION

Brake Booster, Vacuum

Removal

1. Disconnect battery ground cable and remove tubes from primary and secondary outlet ports of master cylinder.
2. Disconnect manifold vacuum hose from booster check valve.
3. Disconnect warning indicator.
4. Remove two nuts retaining master cylinder to brake booster assembly and remove master cylinder.
5. Working inside vehicle below instrument panel, remove stoplamp switch wiring connector from switch. Remove push rod retainer and outer nylon washer from pedal pin. Slide stoplamp switch along brake pedal pin just far enough for outer hole to clear pin. Refer to Section 17-01. Remove stoplamp switch by sliding it upward. Be careful not to damage stoplamp switch during removal.

6. Remove booster-to-dash panel retaining nuts. Slide booster push rod and push rod bushing off brake pedal pin.
7. Working inside engine compartment, remove two screws from manifold vacuum fitting at dash panel, and position out of way.
8. Position wiring harness out of the way.
9. Remove transmission shift cable and bracket assembly. Refer to Section 07-05.
10. Move booster forward until booster studs clear dash panel and remove booster.

Installation

1. Align pedal support inside vehicle and place booster in position on dash panel. Hand-start retaining nuts.
NOTE: The head of the push rod bushing must be on the booster, push rod away from the pedal.