

# SECTION 06-09 Brake System, Anti-Lock

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## VEHICLE APPLICATION

Taurus / Sable, Taurus SHO.

## 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 Taurus / Sable has a 4-wheel anti-lock brake system (ABS) as an option. The system is standard on Taurus SHO. The system prevents wheel lockup by automatically modulating the brake pressure during an emergency stop. By not locking the wheels, the driver can maintain steering control, and stop the vehicle in the shortest possible distance under most conditions.

The brake pedal force required to engage the ABS function may vary with the road surface conditions. A dry surface requires a higher force, while a slippery surface requires much less force.

During the ABS operation, the driver will sense a pulsation in the brake pedal, accompanied by a slight up and down movement in the pedal height and a clicking sound. The pedal effort and pedal feel during normal braking are similar to that of a conventional power brake system.

The ABS consists of the following major components:

- Vacuum booster and master cylinder assembly.
- Hydraulic Control Unit (HCU).
- ABS module.
- Wheel sensors.
- Pedal travel switch.

### Vacuum Booster

The diaphragm-type brake booster is self-contained and is mounted on the engine compartment side of the dash panel.

The vacuum brake booster uses engine intake manifold vacuum and atmospheric pressure for its power.

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