

## REAR BRAKE SHUDDER and/or VIBRATION

FORD: 1985-86 MUSTANG, LTD, THUNDERBIRD

MERCURY: 1985-86 CAPRI, MARQUIS, COUGAR

LINCOLN: 1985-86 MARKVII, CONTINENTAL

Rear brake shudder and/or vibration may be caused by excessive axle shaft brake drum/rotor pilot runout and/or axle shaft flange face runout. This may be experienced during moderate braking action.

After having inspected the rear brake system thoroughly, test drive the subject vehicle at a slow speed (10 - 20 MPH/16 - 32 Km/h) and lightly apply the parking brake. If the shudder and/or vibration is felt, use the following procedures to check the axle shafts:

1. Remove the rear wheel and tire assemblies.
2. Remove the push-on brake drum nuts and discard. NOTE: Push-on brake drum nuts are used for shipping only and need not be replaced.
3. Remove brake drum/rotors. NOTE: If vehicle is equipped with rear disc brakes, check the appropriate service manual for proper rotor removing procedures.
4. Mount a dial indicator as illustrated in Figure 1.
5. With the drum or rotor removed, check drum/rotor pilot radial runout. If runout exceeds .007 inch, replace the axle shaft.
6. Reposition dial indicator as shown in Figure 2.
7. Check axle shaft flange face lateral runout. If runout exceeds .010 inch, replace the axle shaft.

