SECTION 13-02 Speedometer/Odometer

VEHICLE APPLICATION

Taurus/Sable.

DESCRIPTION AND OPERATION

The speedometer is connected to the output shaft of the transaxle by means of a flexible shaft (core), and a drive gear located inside the transaxle. The core drives the speedometer and also drives an odometer.

The core or flexible shaft is housed in a flexible casing.

DIAGNOSIS AND TESTING

The Ford Car Master Parts catalog and the Lincoln/Mercury Parts and Accessories catalog show the proper speedometer transmission gears to use for various transaxle and tire size combinations. The correct gears must be used to comply with Federal law.

The diagnosis charts should be used to isolate concerns in the non-electronic speedometer.

PINPOINT TEST A: SPEEDOMETER/ODOMETER NOISY, ERRATIC, INOPERATIVE OR INACCURATE

TEST STEP	RESULT	▶	ACTION TO TAKE
A1 VERIFY CONDITION • Make sure quick connect is properly attached at speedometer head. Make sure cable is connected at the speed sensor, if applicable.	Noisy Erratic or pointer waver Inoperative speed indication Inoperative odometer Inaccurate speed indication	▶ ▶ ▶ ▶ ▶	GO to A2. GO to A3. GO to A7. GO to A8. GO to A15.
A2 CHECK FOR NOISE • With engine running in NEUTRAL, check for noise. • **Is noise present?**	Yes No	▶ ▶	CHECK for other causes of vehicle noise. GO to A3.
A3 CHECK CABLE • Check cable for kinks or bends. • **Is cable OK?**	Yes No	▶ ▶	GO to A4. If kinks are severe, REPLACE cable. For minor bends, ADJUST cable routing to obtain generous curves and RECHECK for condition resolution.