

51T-49 Dealer 43 December 26, 1951

To: ZONES AND DEALERS

Subject: OVERDRIVE DISTURBANCE - 24TH SERIES

A few cases of overdrive roar or disturbance have been reported on 24th Series cars which generally occur between 35 and 45 m.p.h. on acceleration or with a steady throttle.

The disturbance is caused by a torsional period of the overdrive main shaft and ring gear in the overdrive case.

A new overdrive case and ring gear have been designed to correct this condition. The new overdrive case has been reinforced with an internal rib which has a milled internal surface. The new ring gear has been machined to a smaller outside diameter which gives an .008" clearance between the ring gear and the rib in the case.

Due to the small clearance, the ring gear will contact the rib in the case slightly whenever the torsional period occurs in the overdrive main shaft and ring gear.

The new parts are available and may be ordered from your Zone Warehouse as follows:

Part No. 443185

Transmission overdrive unit case and

bushing assembly

Part No. 443182

Transmission overdrive unit ring gear

NOTE: The early type ring gear cannot be used with the new type overdrive case.

When an overdrive disturbance complaint exists, it is recommended that the new overdrive parts be installed and that the clutch driven plate also be replaced by a new special plate that has the friction lag held to closer limits.

Part No. 443175 clutch driven plate and hub assembly is available in limited quantities and should only be used when an overdrive noise complaint exists.

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