

REAR AXLE

No.254

September 6, 1961

TO ALL ROOTES GROUP DEALERS

HYPOID REAR AXLES - PRELOADING CHANGES

PINION BEARING PRELOAD

As a result of Service experience, the preload applied to the differential pinion bearings on hypoid rear axles during assembly has been reduced.

When adjusting hypoid rear axle pinions for preload in service, the following settings are recommended:

With new bearings fitted	6-12 lbs. ins. (.07 - .014 kg.m)
With original bearings fitted	4 - 8 lbs. ins. (.05- .09 kg.m)

When using a spring balance to measure preload (as described in the Workshop Manual), the spring balance scale readings should be as follows:

With new bearings fitted	1½ - 3 lbs. (.65 - 1.3 kg.)
With original bearings fitted	1 - 2 lbs. (.45 - .9 kg.)

ALL THE ABOVE SETTINGS ARE WITHOUT THE PINION OIL SEAL FITTED.

The tightening torque for the pinion nut has also been reduced and a tolerance allowed. The new torque figures are:

105 - 115 lbs. ft. (14.5 - 15.9 kg.m)

PINION MARKINGS

Any variation (in thousandths of an inch) of the position of the tooth form relative to the pinion inner bearing shoulder, which may have occurred during manufacture, is engraved on the head of the pinion.

Before assembling hypoid bevel pinions the head of the pinion should

be examined for any such markings.

If the marking is preceded by a PLUS sign, SUBTRACT this amount from the measurement taken using the dummy pinion (as described in Section G of the Workshop Manual).

If the marking is preceded by a MINUS sign, ADD this amount to the measurement taken using the dummy pinion.

This supersedes all previous information given on pinion markings.

Kindly bring the above to the attention of all Service personnel at your location.

ROOTES MOTORS INCORPORATED



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