Packard SERVICE TECHNICAL Bulletin

54T-11
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To: ZONES ONLY

Subject: CHANGES IN ULTRAMATIC DRIVE UNIT

Listed below, for your ready reference, are recent changes in the Ultramatic Drive unit. If failure occurs on these units for the following reasons:

a. Converter pump cracked or broken

b. Governor valve sticking

it will require your special attention as we request a zone product report be submitted to us immediately.

1. The converter pumps are tested for cracks by using the ZYGLO Treatment. This test reveals any minute cracks that might occur in the metal both internally or externally.

   The ZYGLO tested converter pumps can be identified by "H-81" ink stamped on the machined outside diameter of the pump housing.

2. The governor housing and vent support are both ANODIZED. This treatment provides a satin-like surface which will reduce the sticking condition previously encountered.

   The ANODIZED governor can be identified by white paint on the transmission control arm, also the governor housing is a dark color instead of a straight aluminum color.

3. A few hundred converters have been built using the old original reactor shaft thrust ball bearing and spacer. These converters can be identified by white paint on the converter drain plug.

4. After the old original bearing supply was exhausted, production had to revert back to the bronze thrust washer. Lubrication was improved by drilling two holes and providing oil grooves in the two steel reactor washers, part number 423272. These converters can be identified by yellow paint on the converter drain plug.

5. Late production converters are equipped with reactor shaft thrust ball bearings and spacers similar to the original ball bearing except the bearing is 3/16" thinner than the original bearing. These converters can be identified by blue paint on the converter drain plug.

NOTE: A new converter reactor shaft thrust ball bearing kit using the thin ball bearing will be released for service in the near future to replace the bronze thrust washer.

Very truly yours,

D. S. McNally
General Parts and Service Manager

HGL:pf