



**Packard** **SERVICE** **TECHNICAL**

**Bulletin**

56T-8  
Dealer 6  
February 10, 1956

To: ZONES AND DEALERS

Subject: SERVICING TWIN TRACTION DIFFERENTIAL

The field will soon receive in limited numbers production built cars equipped with Twin Traction Safety Differentials. The Twin Traction Safety Differential is entirely new and certain characteristics should be mentioned.

Under average driving conditions such as straight ahead, reverse, extreme right and left hand turns, the operation will be the same as with the standard differential. However, a little more backlash may be noticed due to the lateral movement of the pinion shafts. In addition, slight chatter may occur under surge torque with one wheel on slippery surface. The above conditions are considered normal.

The matter of servicing the unit will be handled in a different manner than standard differentials until you are otherwise notified. In the case of difficulty, requiring the removal and servicing of the unit, you will replace the inner differential assembly, which is supplied less the ring gear and side bearings. You will follow the Service Manual basically as to the removal and replacing of the unit using the service tools as required. The replacement should not be attempted without the required service tools.

Reset the lash between the ring gear and pinion and side bearing preload as described on pages 18 and 21 in the "Rear Axle" section of your Service Manual.

Important: Following the replacing of the rear cover plate, install the recommended break in oil included in the new unit kit. Twin Traction Differential Replacement Units will include two quarts of break in lubricant.

Do not attempt to break in a new Twin Traction unit with any fluid other than the recommended lubricant.

Following the break in period if, for some reason, it is found necessary to add or change the lubricant, a standard brand of Multi-Purpose type lubricant may be installed.

Return the old unit promptly, in the regular way, to the Returned Goods Department.

The new units can be ordered as follows:

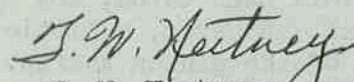
Part No. 6484487 Differential Case Assembly Kit  
Models 5680-88  
Ratio 2.87:1, 3.54:1, 3.31:1, 3.07:1

Part No. 6484488 Differential Case Assembly Kit  
Models 5680-88  
Ratio 4.09:1

Part No. 6484489 Differential Case Assembly Kit  
Models 5640-60  
Ratio 2.87:1, 3.54:1, 3.31:1, 3.07:1

Part No. 6484520 Differential Case Assembly Kit  
Models 5640-60  
Ratio 4.09:1

Very truly yours,



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Service Technical Manager

TWN:jb