



TORQUE CONVERTER PARTS

GM-WS-39

TURBINE STIFFENER PLATE

Installation Instructions

The **GM-WS-39** turbine stiffener plate will fit the GM 400, AT 540, and Cummins diesel lockup turbines without modifications. The turbine on the Cummins diesel non-lockup converter is the same as the GM400, AT540 and Cummins lockup turbine but, due to a small profile difference on the front cover near the pilot, some modification is necessary for clearance for the Cummins diesel non-lockup application.

To adapt the stiffener plate for the Cummins diesel non-lockup application, machine the outside diameter down to approximately 6.200" and put a small chamfer on the turbine side of the inside diameter. This will give sufficient clearance between the cover and the stiffener plate.

A stock 350 transmission forward clutch piston may be used as tooling to hold the **GM-WS-39** in place for tacking and welding purposes, whether it is modified or not. Tack welding four to six segments on both the inside and outside diameters of the stiffener plate should be adequate. However, some may elect to weld completely around both diameters for maximum strength.



Turbine with **GM-WS-39** in place.



Both modified and standard **GM-WS-39**.



Turbine showing 350 clutch piston tooling.



Inside view of tooling.