

## HP Miscellaneous

### Stator

#### Part No.

## GM-ST-082

**NOTE:** "082" GM 245mm blade profile stator can replace the OE 245mm stator when assembling Sonnax non-lockup performance converter kits.

#### Associated Parts

- GM-MD-3 Mechanical Diode
- GM-MD-10S Mechanical Diode
- GM-MD-9-3 Mechanical Diode
- GMFD-MD-1 Mechanical Diode
- GMFD-MD-10S Mechanical Diode
- GMFD-MD-10SB Mechanical Diode
- CH-MD-1 Mechanical Diode
- GM-CS-3 Sprag Cartridge
- FD-CS-2 Sprag Cartridge



The Sonnax stator is designed for GM 245mm cores and allows the use of Sonnax mechanical diodes or Sonnax sprag cartridges. This stator assembly will be approximately .345" taller than the stock GM 245mm stator assembly when used with the Sonnax one-way clutches and components.

1. Center the turbine in a lathe and bore a 2.350"/2.355" diameter hole (**Figure 1**).
2. Insert the turbine hub into the turbine (**Figure 2**).
3. Fixture the hub and weld (**Figure 3**).
4. Remove .345" from the stator bearing face of the turbine assembly (**Figure 4**).
5. From this point, the racekit will assembly normally.



**NOTE:** If you use different components other than those included in Sonnax racekits and one-way clutches, the amount of machining can vary. In these cases the builder must measure and determine how much material must be removed and from which surfaces.

