



GM-ST-086

"086" GM 245MM STATOR

H I G H P E R F O R M A N C E C O N V E R T E R P A R T S

Part No.

GM-ST-086

Stator

INSTRUCTIONS

The **GM-ST-086** stator is designed for GM 245mm cores and allows the use of Sonnax mechanical diodes (**GM-MD-3**, **GMFD-MD-1**, **CH-MD-1**) or Sonnax sprag cartridges (**GM-CS-3**, **FD-CS-2**, **CH-CS-1**). This stator assembly will be approximately .345" taller than the stock GM 245mm stator assembly when used with the following Sonnax one-way clutches and components:

GM-MD-3 (with **GM-WA-15**, **GM-WS-7** stator caps and **CH-N-1** thrust bearings)

GMFD-MD-1 (with **GM-WA-26**, **GM-WS-28** stator caps and **CH-N-1** thrust bearings)

CH-CS-1 (with **CH-N-1** thrust bearings)

FD-CS-2 (with **CH-N-1** thrust bearings)

GM-CS-3 (with **CH-N-1** thrust bearings)

NOTE: When used with Sonnax Racekits, the turbine assembly **MUST** be modified.

TURBINE ASSEMBLY INSTRUCTIONS:

1. Center the turbine in a lathe and bore a 2.350"/2.355" diameter hole (see Figure 1).

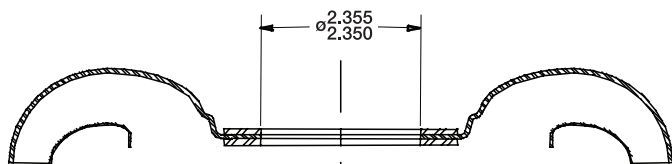


Figure 1

3. Fixture the hub and weld (see Figure 3).

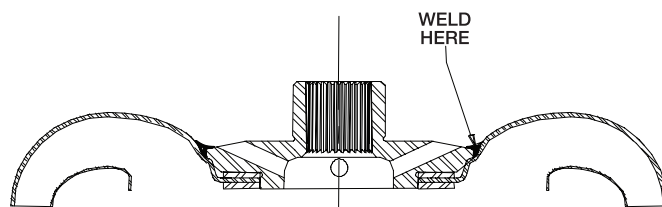


Figure 3

2. Insert the turbine hub into the turbine (see Figure 2).

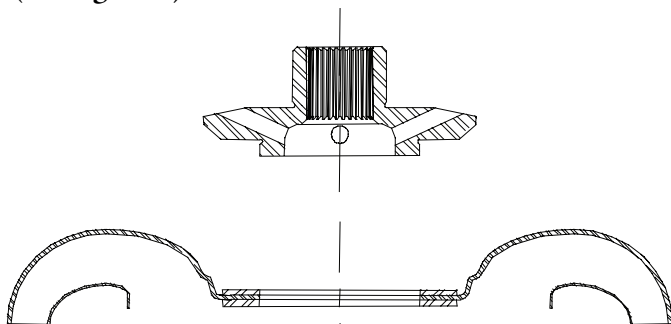


Figure 2

4. Machine .345" from the stator bearing face of the turbine assembly (see Figure 4).

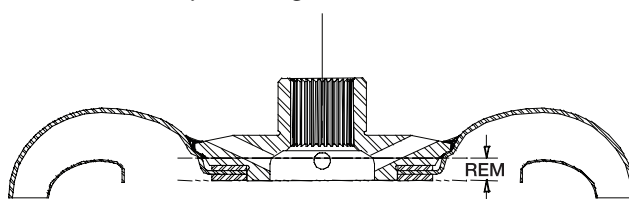


Figure 4

From this point on, the Racekit will assemble normally.

Note: If you use different components other than those included in Sonnax Racekits and Sonnax 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.