

GM 6L80-E

Street/Strip Racekit

Part No.

GM-RK-16

- Pilot
- Front Cover
- Thrust Bearing
- Thrust Washer
- O-Ring
- Turbine Hub
- Shim
- Impeller Hub

NOTE: This kit must be completed with the additional required Sonnax or OE parts listed below. Some machining is required.

Application

GM 6L80-E (Corvettes & Camaros with 300mm converter)

Required Piston Damper Assembly Parts

OPTION #1:

- **GM-DA-6P** Piston Plate
- **GM-RV-9** Piston/Damper Plate Rivets (100/bag)
- **445070HC** Friction Ring
- GM 258mm Damper Assembly Core

OPTION #2:

GM-DA-9 Piston/Damper Assembly

Required Stator Assembly Parts

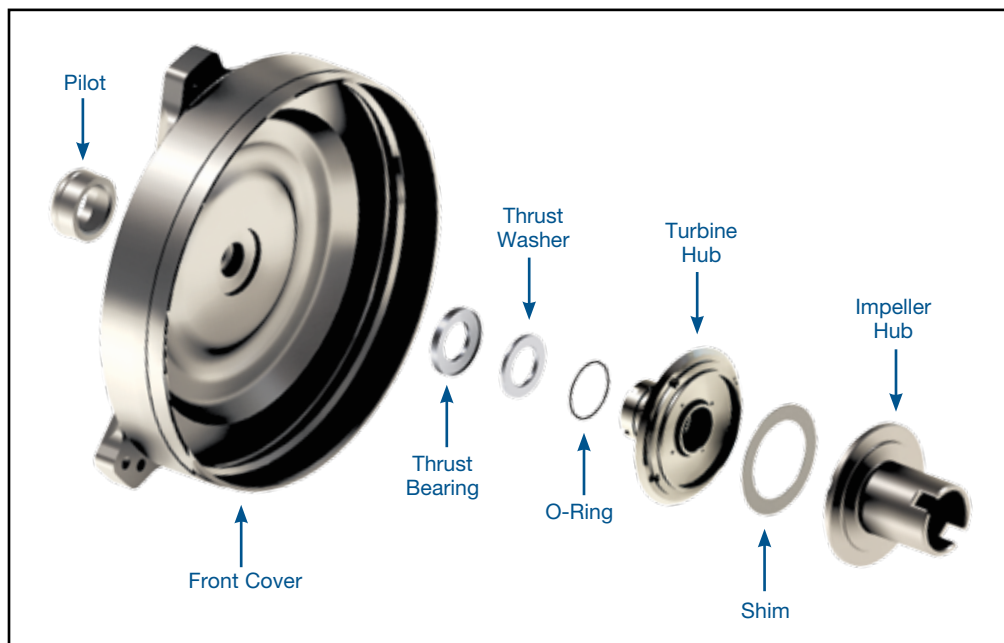
- **CH-N-1** Thrust Bearing (2)
- **GM-CS-5** Sprag Cartridge
- **GM-ST-082** or **GM-ST-086** Stator

Required OE Core Parts

- GM 245mm Impeller
- GM 245mm Turbine (requires machining)

Optional Assembly Parts

B78 Converter Bolts (100/bag)



The GM 6L80-E transmission in '06-Later Corvettes and '10-Later Camaros uses a 300mm converter. The large diameter and weight of this converter rob the drivetrain of acceleration power and throttle response. The Sonnax racekit **GM-RK-16** adapts a GM 245mm core for use in GM 6L80-E (300mm) applications, allowing converter builders to assemble high-performance GM 6L80-E converters with a variety of stall speed options. The diameter of the converter in the **GM-RK-16** is 1.600" (40mm) smaller, which improves acceleration.

The robust Sonnax forged cover has additional material on the flexplate mounting pads and rim to reduce cover flexing and ballooning during hard acceleration. This cover also incorporates universal features: three different flexplate bolt hole patterns and a weld-on pilot for use with other GM applications.

The **GM-RK-16** racekit utilizes the OE GM 258mm damper assembly to isolate engine and road vibration and to protect the transmission parts downstream. Many other aftermarket racekits offer pistons without dampers, which

will compromise ride quality for street use and severely reduce the transmission life. Two damper assembly options are available with this racekit: forged piston **GM-DA-6P** assembled with a used GM 258mm damper assembly, or **GM-DA-9**, a new OE 258mm converter piston/damper.

The **GM-RK-16** racekit is designed to fit either Sonnax stator **GM-ST-082** or **GM-ST-086**, along with a sprag cartridge **GM-CS-5** that fits the GM 6L80-E stator shaft spline. Instructions are provided to cut and weld the 245mm turbine to accept the turbine hub included in the kit.

Features & Benefits

- Improved acceleration and throttle response
- Adapts the popular GM 245mm converter core
- Includes heavy duty front cover
- Fits 9.674" (245mm), 11.062" (281mm) and 11.500" (292mm) flexplate bolt patterns
- Weld-on pilot adapts to many applications
- Chrome-moly steel turbine and impeller hubs