

# TREMEC TR-6060™ Transmission

## 6-Speed RWD Manual Transmission

The TREMEC TR-6060 six-speed manual transmission is found in high-performance flagship vehicles. Along with the capability to stand up to some of the highest torque engines in the industry, the TR-6060 delivers great overall shift feel with short throws and smooth gear synchronization.

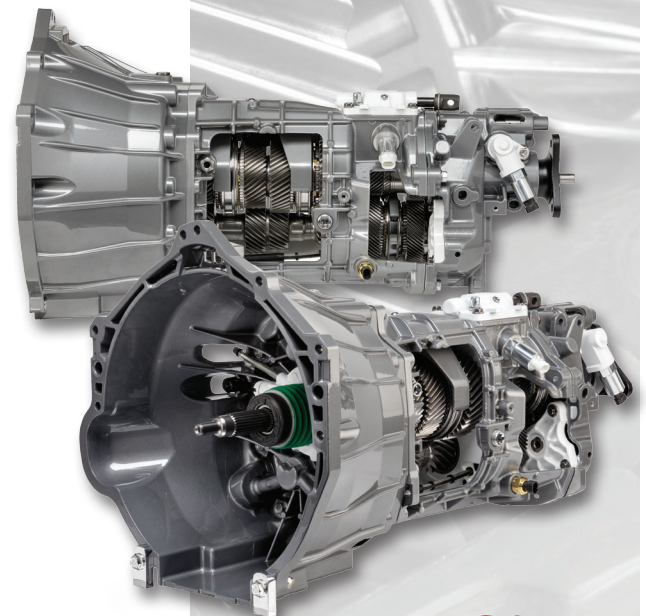
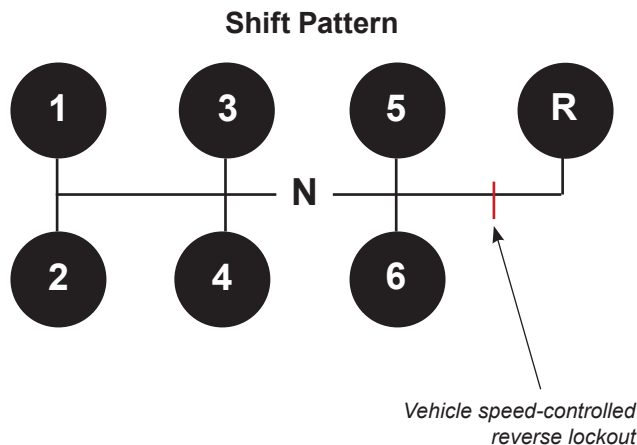
Design features of the TR-6060 include a combination of double-cone and triple-cone synchronizers on all gears. Anti-friction ball struts and fine-pitch splines provide reduced friction between components. A spring loaded anti-friction roller, in combination with broached forward and reverse detent grooves on the mainshaft provide precise control of shift detents and a positive shift feel.

### Gearsets Tailored to Enhance Performance

Reduced fore and aft shift travel and narrow synchronizer hubs allows greater face width on all gears. The gears utilize a two piece design with machined clutch teeth for more precise gear engagement.

### TR-6060 Features at a Glance:

- Rear wheel drive, six-speed manual overdrive transmission
- Close-ratio gearing
- Three-piece “end load design” aluminum housing
- Triple supported output shaft and countershaft
- Taper bearings and cylindrical roller bearings
- All speed gears supported by needle bearings
- Integrated clutch housing improves case strength
- Two-piece gears with laser welded clutch teeth rings
- Advanced and asymmetric clutch teeth in second and third gears improves shifting action
- Multiple shifter locations for design/installation flexibility
- Hybrid and sintered bronze double and triple cone synchronizers offer lightning quick gear changes with fluid-like engagement



# TREMEC®

Torque Transfer Solutions®

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### TREMEC TR-6060 Transmission Specifications

|                                                                                                                         |                                                                                          |                     |                     |                     |                     |                     |                     |
|-------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Type:                                                                                                                   | Rear wheel drive, six-speed manual dual overdrive transmission                           |                     |                     |                     |                     |                     |                     |
| Maximum gross vehicle weight:*                                                                                          | 2,400 kg (5,291 lb) <i>*For reference only. Not applicable to a specific application</i> |                     |                     |                     |                     |                     |                     |
| Case:                                                                                                                   | Die-cast aluminum alloy                                                                  |                     |                     |                     |                     |                     |                     |
| Center distance:                                                                                                        | 85 mm                                                                                    |                     |                     |                     |                     |                     |                     |
| Overall length:                                                                                                         | 813 mm                                                                                   |                     |                     |                     |                     |                     |                     |
| Clutch housing:                                                                                                         | Integrated                                                                               |                     |                     |                     |                     |                     |                     |
| Synchronizer type:                                                                                                      | Double and triple cone; hybrid and sintered bronze friction material                     |                     |                     |                     |                     |                     |                     |
| Lubricant type:                                                                                                         | Dexron III ATF                                                                           |                     |                     |                     |                     |                     |                     |
| Lubricant capacity (approximate):                                                                                       | 3.45 (7.29 pt)                                                                           |                     |                     |                     |                     |                     |                     |
| Transmission weight:                                                                                                    | Wet: 66.3 kg (146.2 lb)                                                                  |                     |                     |                     |                     |                     |                     |
| Power take off:                                                                                                         | No                                                                                       |                     |                     |                     |                     |                     |                     |
| Available Gear Ratios<br><i>Alternative ratios available upon request; may result in different maximum input torque</i> | Gear                                                                                     | A                   | B                   | C                   | D                   | E                   | F                   |
|                                                                                                                         | 1                                                                                        | 3.01                | 2.98                | 2.66                | 2.66                | 2.29                | 2.26                |
|                                                                                                                         | 2                                                                                        | 2.07                | 1.78                | 1.78                | 1.82                | 1.61                | 1.58                |
|                                                                                                                         | 3                                                                                        | 1.43                | 1.30                | 1.30                | 1.30                | 1.21                | 1.19                |
|                                                                                                                         | 4                                                                                        | 1.00                | 1.00                | 1.00                | 1.00                | 1.00                | 1.00                |
|                                                                                                                         | 5                                                                                        | 0.84                | 0.74                | 0.80                | 0.76                | 0.82                | 0.71                |
|                                                                                                                         | 6                                                                                        | 0.57                | 0.50                | 0.63                | 0.50                | 0.68                | 0.50                |
|                                                                                                                         | R                                                                                        | 3.28                | 2.90                | 2.90                | 2.90                | 3.11                | 2.90                |
| Input Torque                                                                                                            | 580 Nm<br>430 lb-ft                                                                      | 680 Nm<br>500 lb-ft | 760 Nm<br>560 lb-ft | 810 Nm<br>600 lb-ft | 880 Nm<br>650 lb-ft | 880 Nm<br>650 lb-ft | 880 Nm<br>650 lb-ft |