

# TREMEC TR-4050™ Transmission

## 5-Speed RWD Manual Transmission

The TREMEC TR-4050 5-speed manual transmission is designed for longitudinal engine vehicles and is particularly suited for light and medium duty trucks. It includes a single overdrive and a light-weight aluminum housing

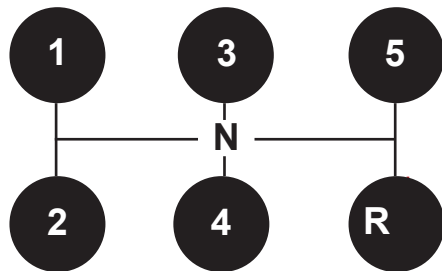
All forward gears are fully synchronized and use a carbon friction material for improved shift quality. Tapered roller bearings are used to minimize noise, vibration and harshness (NVH) and improve efficiency.

A standard six-bolt Power Take-Off (PTO) located on the right side of the transmission offers users the ability to run a variety of hydraulic accessories.

### TR-4050 Features at a Glance:

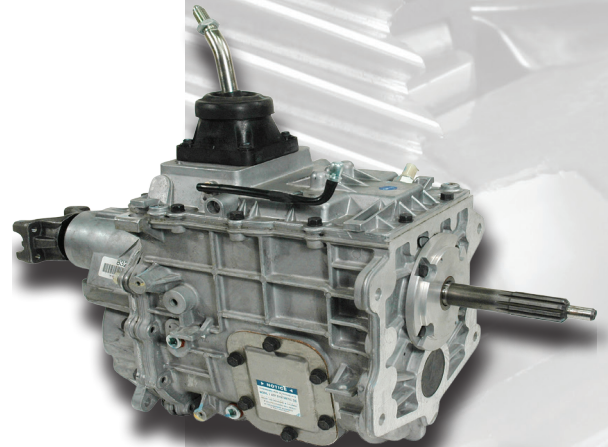
- High-contact constant mesh helical gears for maximum strength
- Die-cast aluminum alloy housing saves weight while offering considerable rigidity
- Standard right-hand six-bolt PTO offers ability to run hydraulic pumps
- Multiple shifter locations provide design and installation flexibility
- The multiple rail internal shifter provides excellent shift feel and performance
- Tapered bearing on input, main and counter shafts provide excellent internal stability
- Needle bearings under gears reduce friction and noise output
- All forward gears and reverse gear synchronized
- Advanced synchronizer technology promotes smoother shifting and reduced shift effort
- Counter shaft mounted 5th gear synchronizer improves NVH in overdrive

### Shift Pattern



# TREMEC®

Torque Transfer Solutions®



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TREMEC TR-4050 Transmission Specifications			
Type:	Rear wheel drive, five-speed manual overdrive transmission		
Maximum gross vehicle weight:*	10,000 kg (22,000 lb) <i>*For reference only. Not applicable to a specific application</i>		
Case:	Die-cast aluminum alloy; end load design		
Center distance:	109 mm		
Overall length:	737 mm		
Clutch housing:	Separate		
Synchronizer type:	Double and single cone		
Lubricant type:	T-M99 Synthetic ATF		
Lubricant capacity (approximate):	3.5 l (7.34 pt)		
Transmission weight:	74 kg (164 lb)		
Power take off:	Six bolt right side		
Available Gear Ratios <i>Alternative ratios available upon request; may result in different maximum input torque</i>	Gear	A	B
	1	6.16	5.81
	2	3.11	2.94
	3	1.71	1.61
	4	1.00	1.00
	5	0.76	0.77
	R	6.03	5.69
	Input Torque	570 Nm 425 lb-ft	620 Nm 457 lb-ft