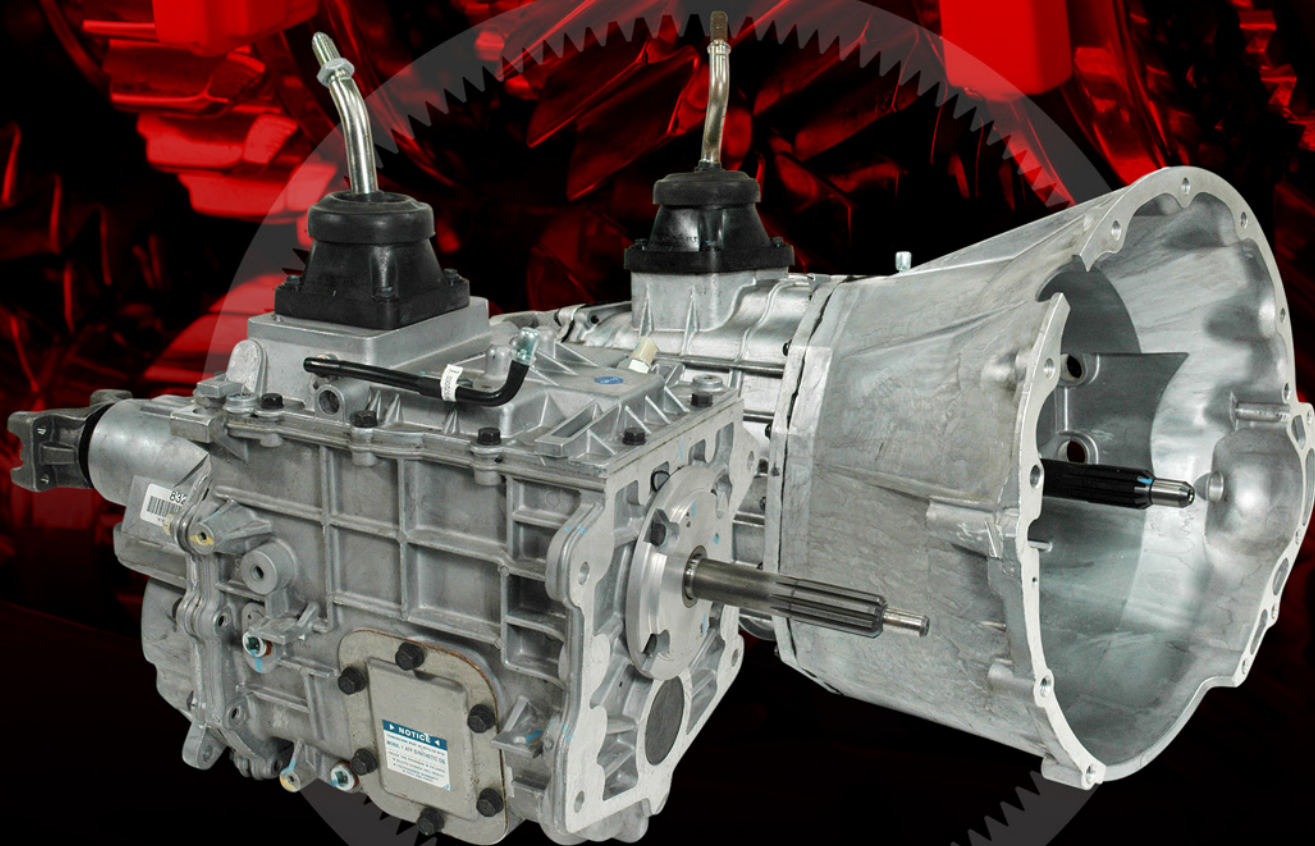


# **TREMEC**

**TRANSMISSIONS**

**LIGHT-DUTY TRUCK**



**INTRODUCTORY PRODUCT INFORMATION**

## **INTRODUCING THE NEW LINE OF TREMEC LIGHT-DUTY TRUCK TRANSMISSIONS**

Intended to replace the shrinking supply of New Venture Gear NV 3500 & 4500 light-duty truck transmissions, TREMEC is pleased to announce the launch of a brand new line of light-duty aftermarket replacement truck transmissions in the TR-3450 and TR-4050 5-speeds.

While retaining all the best technologies from their former New Venture counterparts, these 100% brand new assemblies from TREMEC offer a host of improvements over the units they replace. Starting with increased torque-capacity over both respective New Venture models, the TR-3450 and 4050 offer users improved strength while providing significant weight savings thanks to robust die-cast aluminum housings.

Other smaller yet decidedly crucial engineering differences within the new TREMEC units further enhance performance. These improvements include advanced synchronizer materials for reduced shift efforts; as well as synchronizers for all forward gears in addition to synchronized reverse gears. Specific model information for each of the transmission can be found in the corresponding pages of this introductory publication.

Carrying on with TREMEC's long standing reputation for producing world-class transmission assemblies, the TR-3450 and TR-4050 are destined to become two of TREMEC's most highly decorated aftermarket replacement and performance transmissions.

## TR-3450 GENERAL INFORMATION

Expanding upon the reputation of the New Venture NV 3500 for being exceptionally compact with reasonable durability, the TREMEC TR-3450 benefits from a multitude of features geared towards creating a smoother-operating, longer-lasting replacement truck transmission.

TREMEC TR-3450 transmission gearsets are of a high-contact ratio helical design and feature a respectable 85mm center distance to promote excellent strength while retaining equally impressive packaging characteristics. Tapered bearings on the input, mainshaft and countershaft further amplify torque capacity by better controlling distortion. Needle bearings under each gear reduce friction for improved reliability; while state-of-the-art synchronizer revisions make the TR-3450 an overall pleasure to operate.

Though the TR-3450 is initially being offered as a direct replacement unit for \*1989-2006 Chevrolet & GMC C-series pick-ups, it promises to offer excellent versatility with the release of upcoming models. Engineering phases have been completed for several highly anticipated variations. TREMEC will continue to provide updated literature with the release of each individual TR-3450 'complete assembly' part number.



## TR-3450 FEATURES AT A GLANCE

- 85mm center distance
- High-contact constant-mesh helical gears for maximum strength
- Die-cast aluminum alloy housing saves weight while offering considerable rigidity
- Tapered bearings on input, main and counter shafts provide excellent distortion control
- Needle bearings under each gear reduce friction and noise output
- Back-tapered synchronizer splines eliminate gear 'jump out'
- All forward gears and reverse gear synchronized utilizing advanced technology to reduce shift effort
- Counter shaft mounted 5th gear synchronizer reduces noise in overdrive
- Double cone synchronizers on 1st and 2nd gear
- High capacity single cone synchronizers on 3rd, 4th, 5th and reverse gears

## TR-3450 TRANSMISSION SPECIFICATIONS

Part Number	Fwd. Gears	Torque Cap.	Dry Weight	Speedo Type	Spline Count		Gear Ratios					
					Input Shaft	Output Shaft	1st	2nd	3rd	4th	5th	Rev.
RCET6129	5	335 lb.-ft.	114 lbs.	Electronic	10	32	3.82	2.31	1.42	1.00	.83	3.82

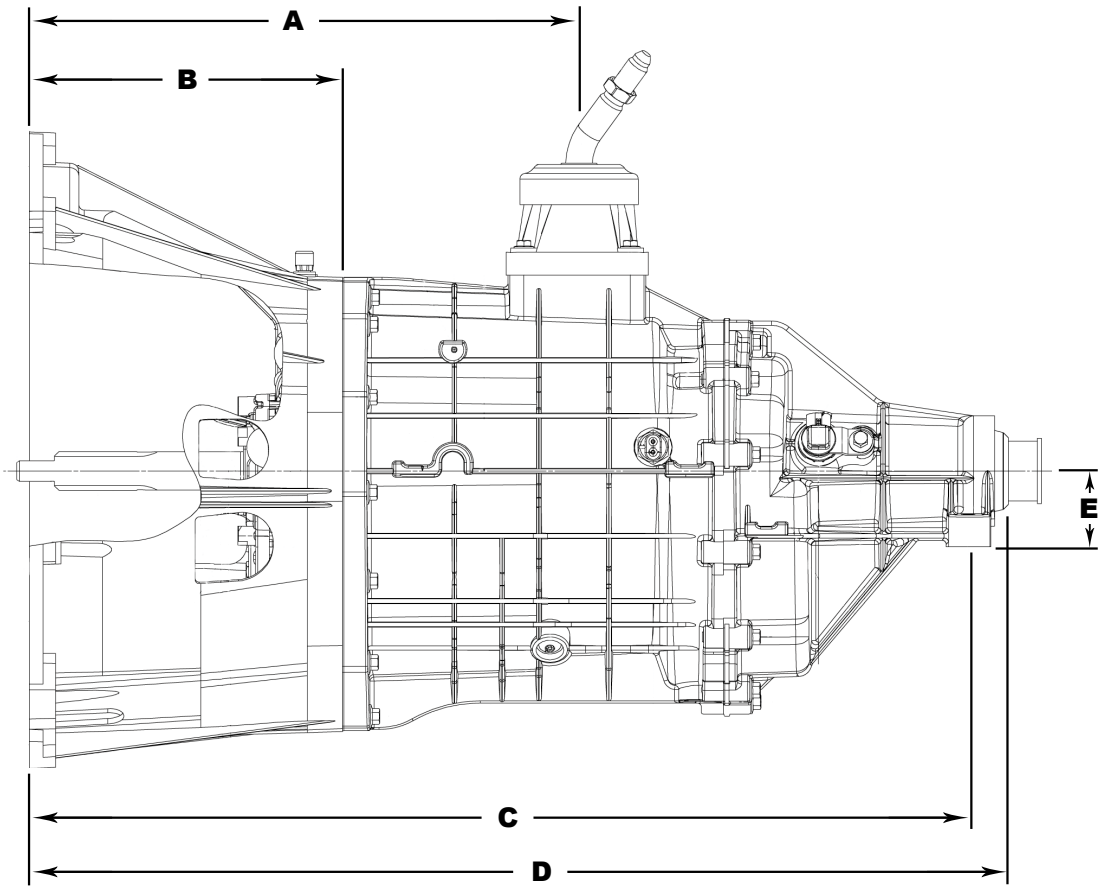
\*1989-1995 models will require minor modification to install. See application information for details.

For inquiries please contact TREMEC Technical Support at 1.800.401.9866 or visit [www.ttcautomotive.com](http://www.ttcautomotive.com)

TR-3450 APPLICATION INFORMATION

Part Number	Application Data					
	Vehicle Mgfr.	Production Year	Driveline	Model	Engine Type	Notes
RCET6129	GM	1989-2006	4x2	C-series Pick-up	V6, V8	'89-95 models must change external slave cylinder to CSC

TR-3450 INSTALLATION DIMENSIONS



Part Number	A	B	C	D	E
RCET6129	15.7"	9.0"	26.8"	27.6"	2.2"

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## TR-4050 GENERAL INFORMATION

Strong enough to be called heavy-duty yet compact to fit nearly any light truck, TREMEC's new TR-4050 is the toughest transmission on the light-duty replacement market. Benefiting from numerous improvements over the NV 4500 it is intended to replace, the TR-4050 offers silky-smooth drivability combined with superior function and strength.

Starting with a mammoth 109mm center distance, the TR-4050 uses high-contact helical cut gears to ensure unmatched durability while providing nearly whisper-quiet operation. Weight savings over the NV 4500 are also substantial thanks to die-cast aluminum housings.

A standard six-bolt PTO located at the right side of the transmission offers users the ability to run a variety of hydraulic accessories. Combined with the many models that will soon be offered by TREMEC, the TR-4050 is destined to become one of the most celebrated transmissions in the light-truck aftermarket; both as a quality replacement and as a highly versatile performance upgrade.

Initial offerings of the TREMEC TR-4050 will focus on the most demanding needs of the OE replacement sector. TREMEC will continue to provide additional literature as new models are released.



## TR-4050 FEATURES AT A GLANCE

- Massive 109mm center distance
- 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
- Tapered bearings on input, main and counter shafts provide excellent internal stability
- Needle bearings under gears reduce friction & noise output
- Revised 5th gear retainer eliminates problems associated with NV 4500 overdrive output shaft nut
- All forward gears and reverse gear synchronized
- Advanced synchronizer technology promotes smoother shifting and reduced shift effort
- Counter shaft mounted 5th gear synchronizer reduces noise in overdrive

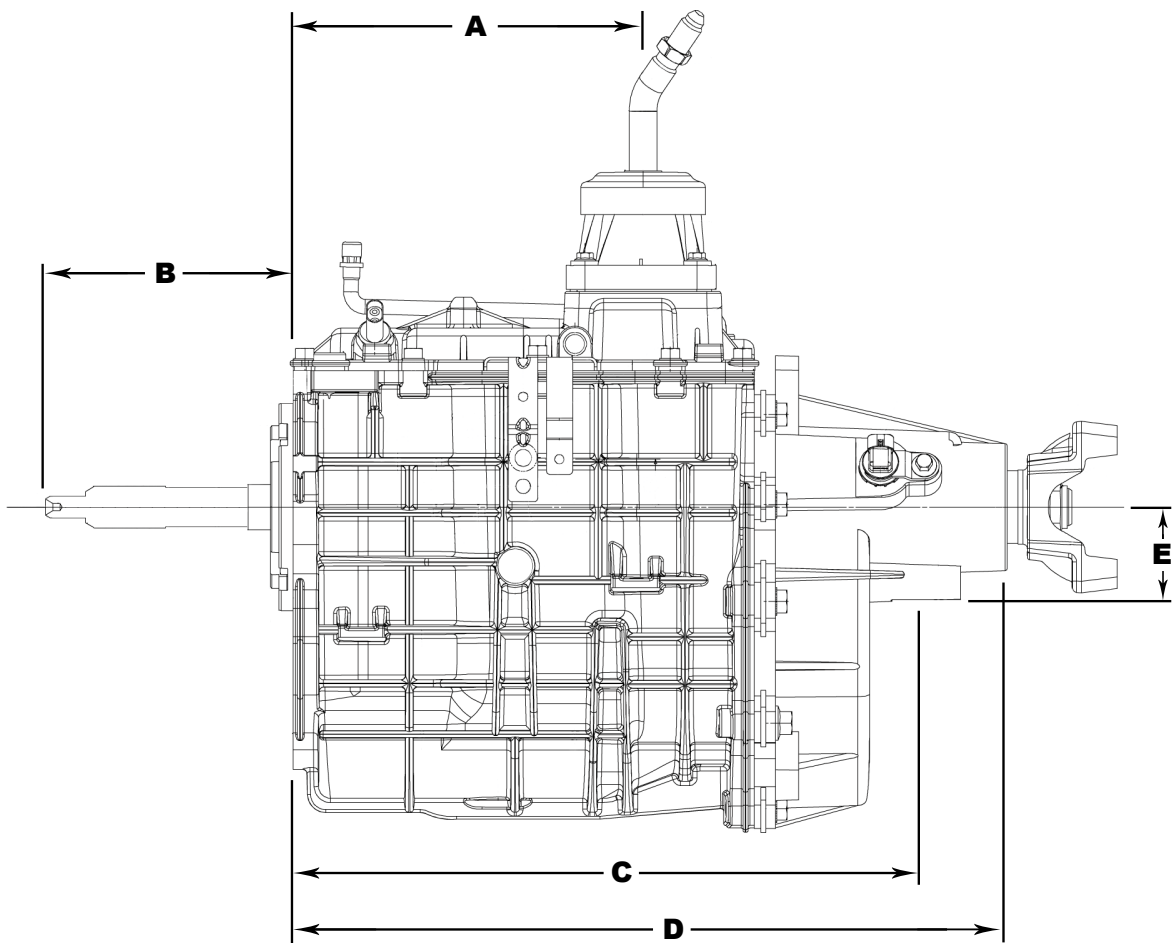
## TR-4050 TRANSMISSION SPECIFICATIONS

Part Number	Fwd. Gears	Torque Cap.	Weight w/ lube	Speedo Type	Spline Count		Gear Ratios					
					Input Shaft	Output Shaft	1st	2nd	3rd	4th	5th	Rev.
RDET6126	5	480 lb-ft.	169 lbs.	Electronic	10	32	5.81	2.94	1.61	1.00	.77	5.69

TR-4050 APPLICATION INFORMATION

Part Number	Application Data					
	Vehicle Mgfr.	Production Year	Driveline	Model	Engine Type	Installation Notes
RDET6126	GM	1995-2001	4x2	C-series Pick-up	All gas & diesel	'95 models must change to CSC. All models require shortened driveshaft.

TR-4050 INSTALLATION DIMENSIONS



Part Number	A	B	C	D	E
RDET6126	9.5"	6.7"	17.4"	22"	2.5"