

## The Versatile Fleet and Performance Transmissions... 9-to-13-Speed "Convertibles" for Efficiency, Performance and Maximum Trade-In Value



The Fuller Convertible operates as a simple 9-speed transmission. It can then easily be converted to a 13-speed to increase vehicle versatility and resale value at trade-in time.

### **9-Speed – 13-Speed – The Best of Both!**

For the first owner, you get a simple, reliable 9-speed. The second owner, with the purchase of an inexpensive conversion kit, gets the legendary Fuller 13-speed transmission – for the utmost in performance and versatility.

### **Proven Payback at Trade-In Time**

The average resale value on a truck equipped with a Fuller 13-speed transmission is up to \$3,000 more than the same truck equipped with a 10-speed transmission.

### **Proven Customer Preference at Trade-In Time**

A truck equipped with a Fuller 13-speed transmission spends half the time on a dealer's lot, on average, than an equivalent truck equipped with a 10-speed transmission.

### **A Warranty That Fits Your Needs**

Fuller Convertible transmissions allow an owner to extend the warranty up to 6 years and 600,000 miles – providing extra protection for the second owner. To understand the coverage that applies to your specific vocation, please see the Vocational Warranty Guide (TCWY0900) at [www.eaton.com/roadranger](http://www.eaton.com/roadranger).



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SUPPORT

# Fuller® Convertible Transmissions

Model	Speeds	Integral Oil Pump	External Oil Cooler	Oil Cap. Pints [ltr]	Length Inches [mm]	Weight lbs. [kg]	PTO Speed (% of Engine)
9 Speeds							
RTOC-16909A	9 forward, 2 rev.	STD		28 [13]	33.1 [841]	716 [325]	79
RTOCM-16909A	9 forward, 2 rev.	STD					
RTOC-18909A	9 forward, 2 rev.	STD	STD				

Model	Lbs-Ft Max TQ [Nm]	Overall	Reverse		L	%	1	%	2	%	3	%	4	%	5	%	6	%	7	%	8	%	9
			L	H																			
RTOC-16909A	1650 [2237]	14.38	11.28	2.99	10.50	42	7.37	42	5.21	38	3.78	37	2.76	41	1.95	42	1.38	38	1.00	37	.73		
RTOCM-16909A**	1650 [2237]	14.38	11.28	2.99	10.50	43	7.37	42	5.21	38	3.78	37	2.76	41	1.95	42	1.38	38	1.00	37	.73		
RTOC-18909A	1850 [2508]	14.38	11.28	2.99	10.50	42	7.33	41	5.21	38	3.78	37	2.76	41	1.95	42	1.38	38	1.00	37	.73		

\*\* This transmission can be rated at 200 lb-ft of additional torque above the limits in the top 2 ratios only.

Model	Speeds	Integral Oil Pump	External Water-to-Oil Cooler	External Oil Filter	Oil Cap. Pints [ltr]	Length Inches [mm]	Weight Lbs. [kg]	PTO Speed (% of Engine)
13 Speeds								
RTLO-16913A	13 forward, 2 rev.	STD			28 [13]	33.1 [841]	716 [325]	79
RTL0M-16913A***	13 forward, 2 rev.	STD						
RTLO-18913A	13 forward, 2 rev.	STD						

Model	Lbs-Ft Max TQ [Nm]	Overall	Reverse		L	%	1	%	2	%	3	%	4	%	5	%	6	%	7	%	8
			LL	H																	
RTLO-16913A	1650 [2237]	16.86		H	12.31	42	8.64	42	6.11	38	4.43	37	3.23	41	1.95	1.38	1.00	.73			
RTL0M-16913A***	1650 [2237]		13.22	3.50											17% Splitter	21	18	17			
RTLO-18913A	1850 [2508]		L	2.29												1.62	1.17	.86			

\*\*\* This model cannot be ordered directly but is the product of the RTOCM-16909A after the conversion to a 13 Speed (RTL0M-16913A). This transmission can be rated at 200 lb-ft of additional torque above the limits in the top 4 ratios only.

## Specifications:

Clutch Housing:

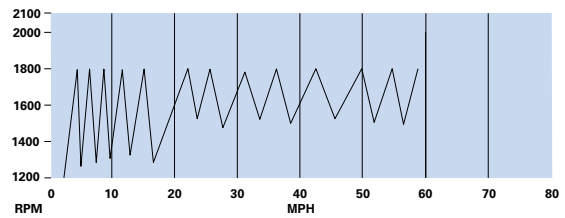
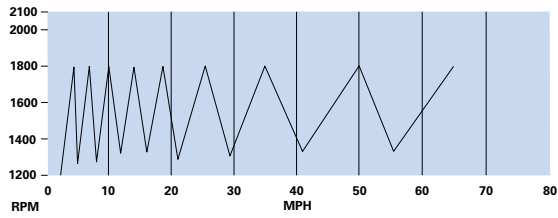
- SAE No. 1 (Cast iron and aluminum available).

PTO Openings:

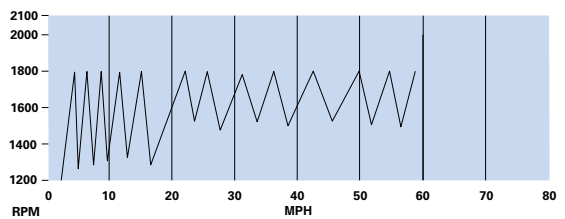
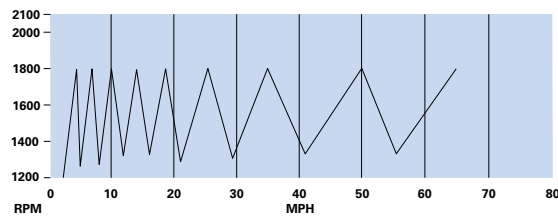
- Right side, a 45-tooth, 6/8 pitch gear.
- Left side, a 47-tooth, 6/8 pitch gear.
- Both gears turn at 0.79 of engine speed.

Performance Charts: Based on 1800 RPM engine operating at 1636 RPM/62 MPH.

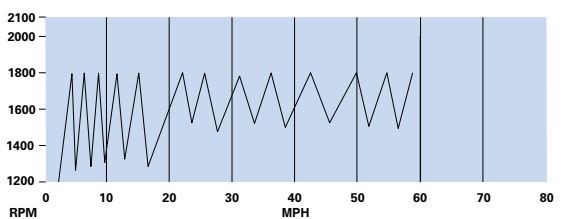
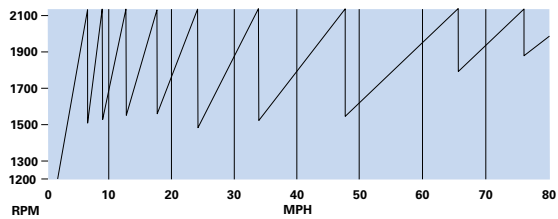
RTOC-16909A converts to ..... RTLO-16913A



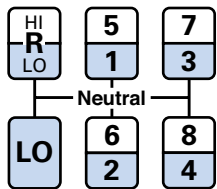
RTOCM-16909A converts to ..... RTLOM-16913A



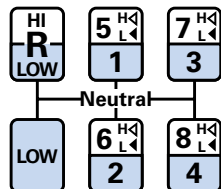
RTOC-18909A converts to ..... RTLO-18913A



Shift Pattern:  
 RTOC-16909A, RTOC-18909A  
 and RTOCM-16909A



Shift Pattern:  
 RTLO-16913A and  
 RTLO-18913A



Note: Reference Roadranger Information Bulletin TMIB0138 for conversion kit.

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**For spec'ing or service assistance,  
call 1-800-826-HELP (4357) or visit  
[www.eaton.com/roadranger](http://www.eaton.com/roadranger).  
In Mexico, call 001-800-826-4357.**

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