

TECHNICAL DATA

MANUAL TRANSMISSION M15M-D, M15MX-D

Item				Manual transmission		
				M15M-D	M15MX-D	
Manual transmission						
Transmission oil	Type		A.P.I. Service GL-4 or GL-5			
	Viscosity	All-season		SAE 75W-90		
		Above 10 °C {50 °F}		SAE 80W-90		
	Capacity		(L {US qt, Imp qt})		2.0 {2.1, 1.8}	2.5 {2.6, 2.2}
Mainshaft	Runout (mm {in})		Maximum	0.03 {0.0012}		
	Clearance between mainshaft and gear (or bush) (mm {in})		Wear limit	0.15 {0.006}		
Reverse idler gear and shaft	Clearance between reverse idler gear bush and shaft (mm {in})		Standard	0.02—0.05 {0.0008—0.0019}		
			Wear limit	0.15 {0.006}		
Shift fork and clutch hub sleeve	Clearance between shift fork and clutch hub sleeve (mm {in})		Standard	0.2—0.3 {0.008—0.011}		
			Wear limit	0.5 {0.020}		
Synchronizer ring	Clearance between synchronizer ring and side of gear when fitted (mm {in})		Standard	1.5 {0.059}		
			Wear limit	0.8 {0.031}		
Spring	Free length (mm {in})	Shift rod (5th/reverse)		66.5 {2.62}		
		Detent ball (1st/2nd)		22.5 {0.89}		
		Detent ball (3rd/4th)				
Transfer						
Transfer oil	Type		—	A.P.I. Service GL-4 or GL-5		
	Viscosity	All-season		SAE 75W-90		
		Above 10 °C {50 °F}		SAE 80W-90		
	Capacity			(L {US qt, Imp qt})		2.0 {2.1, 1.8}
Hub sleeve and shift fork	Clearance between hub sleeve and shift fork (mm {in})			Standard	0.38—0.52 {0.015—0.020}	
				Wear limit	0.8 {0.031}	

TECHNICAL DATA

R15M-D, R15MX-D

Item			Manual transmission	
			R15M-D	R15MX-D
Manual transmission				
Transmission oil	Type		A.P.I. Service GL-4 or GL-5	
	Viscosity	All-season	SAE 75W-90	
		Above 10 °C {50 °F}	SAE 80W-90	
	Capacity (L {US qt, Imp qt})		2.8 {3.0, 2.5}	3.2 {3.4, 2.8}
Mainshaft	Runout (mm {in})	Maximum	0.03 {0.0012}	
	Clearance between mainshaft and gear (or bush) (mm {in})	Wear limit	0.15 {0.006}	
Reverse idler gear and shaft	Clearance between reverse idler gear bush and shaft (mm {in})	Standard	0.02—0.05 {0.0008—0.0019}	
		Wear limit	0.15 {0.006}	
Shift fork and clutch hub sleeve	Clearance between shift fork and clutch hub sleeve (mm {in})	Standard	0.2—0.3 {0.008—0.011}	
		Wear limit	0.5 {0.020}	
Synchronizer ring	Clearance between synchronizer ring and side of gear when fitted (mm {in})	Standard	1.5 {0.059}	
		Wear limit	0.8 {0.031}	
Control rod lever and shift rod	Clearance between control rod lever and shift rod gate (mm {in})	Clearance	0.8 {0.031}	
Transfer				
Transfer oil	Type		—	A.P.I. Service GL-4 or GL-5
	Viscosity	All-season		SAE 75W-90
		Above 10 °C {50 °F}		SAE 80W-90
	Capacity (L {US qt, Imp qt})			2.0 {2.1, 1.8}
Hub sleeve and shift fork	Clearance between hub sleeve and shift fork (mm {in})	Standard	0.38—0.52 {0.015—0.020}	
		Wear limit	0.8 {0.031}	