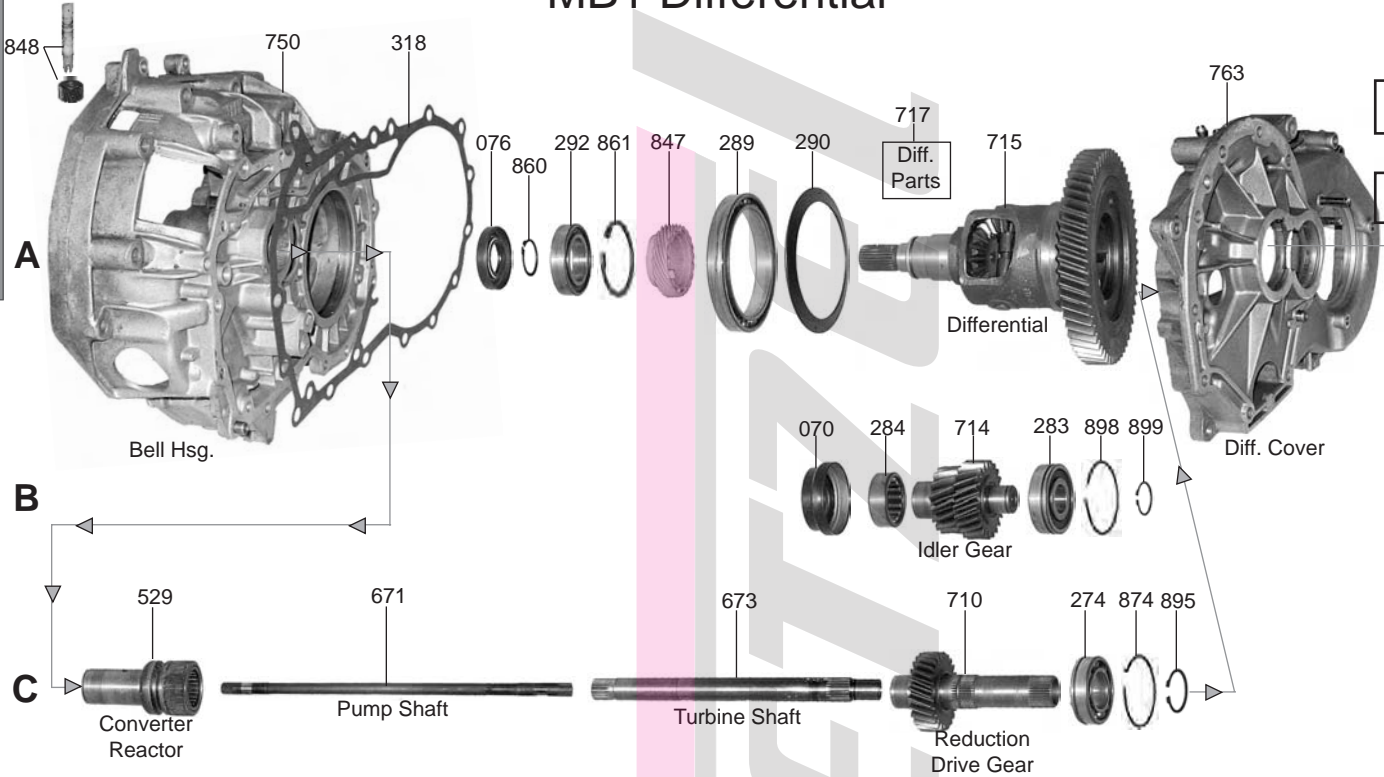


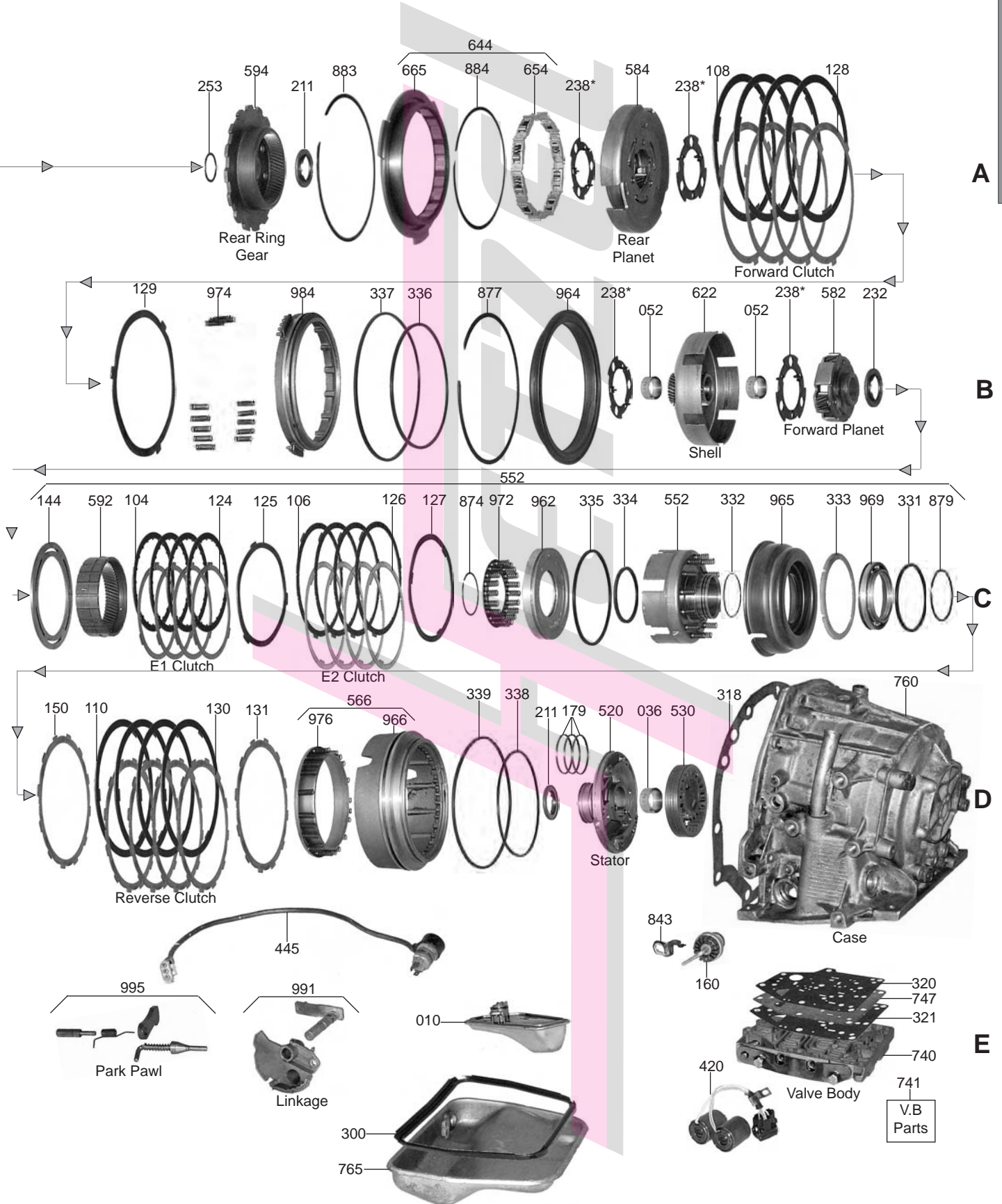
MB1 Differential



- 000 P&R Kit
- 002 OHK Kit
- 004 Master L/Steels Kit
- 006 Master W/Steels Kit
- 011 Filter Kit
- 030 Bushing Kit
- 175 Ring Kit
- 400 Tech Manual

D

E



PART #	PAPER & RUBBER KIT	QTY.	REFERENCE #
52000A	Paper & Rubber Kit, MB1/MB3 Alliance 1983-88	1	
52000C	Paper & Rubber Kit, MJ3/MJ5 Madallion 1986-Up	1	
PART #	OVERHAUL KITS	QTY.	REFERENCE #
52002A	Overhaul Kit, MB1/MB3 Alliance 1983-88	1	
52002C	Overhaul Kit, MJ3/MJ5 Madallion 1986-Up	1	
PART #	MASTER L/STEEL KIT	QTY.	REFERENCE #
52004A	Master L/Steels Kit, MB1/MB3 Alliance (With E1/E2 Frictions) 12983-88	1	
52004B	Master L/Steels Kit, MB1/MB3 Alliance (Without E1/E2 Frictions) 1983-88	1	
52004C	Master L/Steels Kit, MJ3/MJ5 Madallion (With E1/E2 Frictions) 1986-Up	1	
52004D	Master L/Steels Kit, MJ3/MJ5 Madallion (Without E1/E2 Frictions) 1986-Up	1	
PART #	MASTER W/STEEL KIT	QTY.	REFERENCE #
52006A	Master W/Steels Kit, MB1/MB3 Alliance (With E1/E2 Frictions) 1983-88	1	
52006B	Master W/Steels Kit, MB1/MB3 Alliance (Without E1/E2 Frictions) 1983-88	1	
52006C	Master W/Steels Kit, MJ3/MJ5 Madallion (With E1/E2 Frictions) 1986-Up	1	
52006D	Master W/Steels Kit, MJ3/MJ5 Madallion (Without E1/E2 Frictions) 1986-Up	1	
PART #	FILTER	QTY.	REFERENCE #
52010	Filter, MB1/MB3/MJ1 Alliance & Encore 1983-86	1	
52010A	Filter, MJ3 Madallion 1986-Up	1	
52010C	Filter, MJ5 Fuego Sport Wagon 1984-86	1	
PART #	FILTER KIT	QTY.	REFERENCE #
52011	Filter Kit, MB1/MB3/MJ1 Alliance 1983-86	1	
52011A	Filter Kit, MJ3 Madallion 1986-Up	1	
52011C	Filter Kit, MJ3 Fuego Sport Wagon 1984-86	1	
PART #	BUSHINGS	QTY.	REFERENCE #
52030	Bushing Kit, MB1/MB3/MJ3 1983-Up	1	
52036	Bushing, MB1/MB3/MJ3 Pump Stator	1	
52052	Bushing, MB1/MB3/MJ3 Sun Gear	2	
PART #	METAL CLAD SEALS	QTY.	REFERENCE #
52070	Seal, MB1/MB3/MJ1 Front 1983-Up	1	77-03-087-135
52076	Seal, MB1/MB3/MJ1 Axle 1983-Up	2	77-03-087-144
52076C	Seal, MJ3 Axle 1986-Up	2	77-03-087-106
PART #	FRICTION CLUTCH	QTY.	REFERENCE #
52104	Friction, MB1/MJ3 E1 Clutch (.080") (21 Teeth) 1983-Up	4	77-01-596-732
52106	Friction, MB1/MJ3 E2 Clutch (.080") (3 Teeth) 1983-Up	4	
52108	Friction, MB1/MJ3 Forward Clutch (.080") 3 Teeth (7.480"OD) 1983-Up	4	77-01-462-298
52110	Friction, MB1/MJ3 Reverse Clutch (.080") 3 Teeth (7.00"OD) 1983-Up	4	77-01-462-297
PART #	STEEL CLUTCH	QTY.	REFERENCE #
52124	Steel, MB1/MJ3 E1 Clutch (.060") 3 Teeth (Flat) 1983-Up	4	
52125	Steel, MB1/MJ3 E1 Clutch (.060") 3 Teeth (Wavy) 1983-Up	1	
52126	Steel, MB1/MJ3 E2 Clutch (.060") 3 Teeth (Flat) 1983-Up	4	
52127	Steel, MB1/MJ3 E2 Clutch (.060") 3 Teeth (Wavy) 1983-Up	1	
52128	Steel, MB1/MJ3 Forward Clutch (.060") 3 Teeth (Flat) 1983-Up (Also Fits Low/Reverse)	5	
52129	Steel, MB1/MJ3 Forward Clutch (.060") 3 Teeth (Wavy) 1983-Up	1	
52130	Steel, MB1/MJ3 Reverse Clutch (.060") 12 Teeth (Flat) 1983-Up	4	
52131	Steel, MB1/MJ3 Reverse Clutch (.060") 12 Teeth (Wavy) 1983-Up	1	
PART #	CLUTCH PRESSURE PLATES	QTY.	REFERENCE #
52144	Pressure Plate, MB1/MJ3 E1-E2 Clutch	1	
52150	Pressure Plate, MB1/MJ3 Reverse Clutch	1	T0715980

PART #	MODULATORS	QTY.	REFERENCE #
52160.....	Modulators, MB1	1	
PART #	OIL SEALING RINGS	QTY.	REFERENCE #
52175.....	Ring Kit, MB1 Renault Alliance	1	
52179.....	Ring, MB1/MJ3 Pump Cover 1983-Up.....	3	77-01-462-295
PART #	WASHERS & BEARINGS	QTY.	REFERENCE #
52211.....	Bearing, MB1/MJ3 Pump Cover To E1-E2 Drum & Sun Gear To Rear Ring Gear	2	
52232.....	Bearing, MB1/MJ3 Planet	1	
52238A.....	Washer, MB1 Plastic (.060") 1983-87	1-3.....	
52238AA.....	Washer, MJ3 Plastic (.060") 1986-Up	1-3.....	
52238B.....	Washer, MB1 Plastic (.076") 1983-87	1-3.....	
52238BA.....	Washer, MJ3 Plastic (.076") 1986-Up	1-3.....	
52238C.....	Washer, MB1 Plastic (.100") 1983-87	1-3.....	
52238CA.....	Washer, MJ3 Plastic (.100") 1986-Up	1-3.....	
52253.....	Spacer, MB1/MJ3 Rear Ring Gear To Reduction Drive Gear	1	
52274.....	Bearing, MB1 Pinion 1983-87	1	
52274A.....	Bearing, MJ3 Pinion Small One (Madallion) 1986-Up.....	1	
52283.....	Bearing, MB1 Idler 1983-87	1	
52283A.....	Bearing, MJ3 Intermediate Shaft To Differential Case (Madallion) 1988-Up.....	1	
52284.....	Ball Bearing, MB1 On Idler (On Small Gear Side)	1	
52289.....	Bearing, MB1 Differential (5 1/16").....	1	
52290.....	Shim, MB1 Under Large Ball Bearing On Differential	1	
52292.....	Ball Bearing, MB1 Differential To Converter Housing (Small)	1	
PART #	GASKETS & RUBBER COMPONENTS	QTY.	REFERENCE #
52300.....	Gasket, MB1/MJ3 Bottom Pan (Rubber).....	1	77-00-680-106
52318.....	Gasket, MB1 Converter Housing To Differential Case	1	
52318A.....	Gasket, MB1 Rear Case To Differential Case	1	
52320.....	Gasket, MB1/MJ3 Valve Body To Case.....	1	
52332.....	Lip Seal, MB1/MJ3 E2 Clutch (Inner).....	1	
52332K.....	Lip Seal Set, MB1/MJ3 E1 & E2 Lip Seals.....	1	
52333.....	Lip Seal, MB1/MJ3 E2 Clutch (Outer)	1	
52334.....	Lip Seal, MB1/MJ3 E1 Clutch (Inner).....	1	
52335.....	Lip Seal, MB1/MJ3 E1 Clutch (Outer).....	1	
52338.....	Lip Seal, MB1/MJ3 Reverse Clutch (Inner).....	1	
52339.....	Lip Seal, MB1/MJ3 Reverse Clutch (Outer).....	1	
PART #	TECHNICAL MANUALS	QTY.	REFERENCE #
52400.....	Technical Manual, MB1	1	83-MB1MJ3TM
PART #	ELECTRICAL COMPONENTS	QTY.	REFERENCE #
52420.....	Solenoid, MB1 (On Valve Body) Sets Of 2.....	1	JO747072
52449.....	Computer Box, MB1 (External)	1	
PART #	HARD PARTS	QTY.	REFERENCE #
52520.....	Stator, MB1/MJ3 Pump Cover (Aluminum)	1	
52529A.....	Converter Reactor, MB1 Support (.860"OD Splines) Presses In	1	
52529B.....	Converter Reactor, MB1 Support (No Splines) Bolt On	1	
52529C.....	Converter Reactor, MB1 Support (With Splines) Bolt On.....	1	
52529D.....	Converter Reactor, MJ3 Support (Madallion) 1986-Up	1	
PART #	PUMP COMPONENTS	QTY.	REFERENCE #
52530.....	Pump Gears, MB1/MJ3 (.668" Thick).....	1	

PART #	HARD PARTS (Continued)	QTY.	REFERENCE #
52552A	Clutch Retainer, MB1/MJ3 E1-E2 (4 Clutch) 1983-Up	1	
52552AK	Drum Assembly, MB1/MJ3 E1-E2 (4 Clutch) 1983-87	1	
52552BK	Drum Assembly, MB1/MJ3 E1-E2 (4 Clutch) 1988-Up	1	
52552C	Clutch Retainer, MB1/MJ3 E1-E2 (5 Clutch) 1988-Up	1	
52552CK	Drum Assembly, MB1/MJ3 E1-E2 (5 Clutch) 1988-Up	1	
52566	Piston Kit, MB1/MJ3 Reverse Clutch	1	
52582A	Planet, MB1/MJ3 Forward (3 Gear With Braided Pins) 1983-87	1	
52582B	Planet, MB1/MJ3 Forward (3 Gear With Pinned Pins) 1988-Up	1	
52582C	Planet, MJ3 Forward (4 Gear With Pinned Pins) 1988-Up	1	
52584	Planet, MB1/MJ3 Rear (With Hub)	1	
52592	Ring Gear, MB1/MJ3 Forward Planet	1	
52594	Ring Gear, MB1/MJ3 Rear With Park Gear	1	
52622	Shell, MB1/MJ3 With Sun Gear (31 Teeth Both Ends)	1	
52622A	Shell, MJ3 With Sun Gear (31 Teeth On Rear & 30 Teeth On Front)	1	

PART #	SPRAGS & ONE WAY CLUTCHES	QTY.	REFERENCE #
52644	Sprag Assembly, MB1/MJ3 With Retainer	1	

PART #	HARD PARTS (Continued)	QTY.	REFERENCE #
52671	Pump Shaft, MB1 (13 1/8" Long)	1	
52671A	Pump Shaft, MB1 (12 3/4" Long)	1	
52671B	Pump Shaft, MJ3 (21 1/4" Long) Madallion	1	
52673	Turbine Shaft, MB1 (11 1/2" Long)	1	
52673B	Turbine Shaft, MJ3 (19 5/8" Long) Madallion	1	
52674	Shaft, MJ3 Intermediate (Madallion)	1	
52710	Gear, MB1 Output (Pinion) 25 Teeth	1	
52710B	Gear, MB1 Output (Pinion) 29 Teeth	1	
52710C	Gear, MJ3 Output (Medallion) 1986-Up	1	
52712	Gear, MJ3 Driven Transfer (Medallion) 1986-Up	1	
52714	Idler Gear, MB1 (2 Gears)	1	
52715	Differential Assembly, MB1	1	
52715C	Differential Assembly, MJ3	1	
52730	Pinion Gear, MJ3 (Madallion) 1986-Up	1	
52740	Valve Body, MB1 With Solenoids 1983-87	1	
52740A	Valve Body, MJ3 With Solenoids (Madallion) 1986-Up	1	
52750	Bell Housing, MB1 Less Support (Takes Press In Support)	1	
52750A	Bell Housing, MB1 Less Support (Takes Bolt On Support)	1	
52750C	Bell Housing, MJ3 Less Support (Madallion) 1986-Up	1	
52760	Case, MB1/MJ3 (Less Pump Gears)	1	
52763	Differential Case, MB1 Differential Cover	1	
52765	Pan, MB1 Bottom Pan	1	
52843	Bracket, MB1/MJ3 Modulator	1	
52847	Gear, MB1 Drive Speed-O Gear	1	
52848	Gear, MB1 Driven Speed-O Gear	1	
52860	Snap Ring, MB1 Holds Small Bearing On Differential Housing	1	
52861	Snap Ring, MB1 Holds Speed-O Gear To Differential Housing	1	
52874	Snap Ring, MB1 Holds Ball Bearing To Differential Case	1	
52877	Snap Ring, MB1/MJ3 Stop For Forward Piston	1	
52883	Snap Ring, MB1/MJ3 Holds Sprag Outer Race To Case	1	
52895	Snap Ring, MB1 Holds Ball Bearing To Reduction Drive Gear	1	
52898	Snap Ring, MB1 Holds Idler Gear Ball Bearing To Differential Cover	1	
52899	Snap Ring, MB1 Holds Ball Bearing To Idler Shaft	1	
52962	Piston, MB1/MJ3 E1 Clutch (Aluminum) 1983-Up	1	
52964	Piston, MB1 Forward Clutch (Molded) 1983-87	1	
52964A	Piston, MJ3 Forward Clutch (Molded) Madallion 1986-Up	1	
52965	Piston, MB1/MJ3 E2 Clutch (Molded) 1983-Up	1	
52966	Piston, MB1 Reverse Clutch (Aluminum) 1983-87	1	
52966A	Piston, MJ3 Reverse Clutch (Aluminum) Madallion 1986-Up	1	
52969	Piston, MB1/MJ3 E2 Clutch Apply (Aluminum) 1983-Up	1	
52972	Spring, MB1/MJ3 E1 Clutch Return 1983-Up	1	
52974	Spring, MB1/MJ3 Forward Clutch Return	1	
52976	Springs With Retainer, MB1/MJ3 Reverse Clutch Return	15	
52984	Retainer, MB1 Forward Clutch (Aluminum) 1983-87	1	
52984A	Retainer, MJ3 Forward Clutch (Aluminum) Madallion 1986-Up	1	
52991	Linkage Assembly, MB1 Internal	1	
52995	Park Pawl Assembly, MB1	1	



Ken Snead, Transmission Technology, England

TECH TIP Renault Megane Scenic **Electrical Interference**

Here's one that kept us guessing for quite some time and thought you might be interested in. We had a Renault Megane Scenic arrive in limp mode. A scan revealed a faulty output-speed sensor. This was changed but the fault persisted. We explained to the owner that Renault had particularly sensitive software in its TCM and it was probably picking up a degree of slip that when driving appeared OK.

The customer gave authorization to strip out the unit. This was done, and the unit was resealed and refrictioned, and filled with the correct oil. You guessed it – still the same.

We have two types of aftermarket scan tool plus the genuine Renault scan tool, and all said the same: output-speed sensor. So we then changed first the

gearbox TCM and then the engine-management ECU. Still the same.

We had also noticed that the range-selected indicator would go out when the engine was started and the D3 light and snow light would light up at random. We then began to think maybe we had an electrical-interference problem, and – to cut a long story short – by pulling off a plug head at a time we found that with the No. 1 plug head disconnected the gearbox was OK. Changing the No. 1 coil cured all problems.

Also please be aware that the vehicle had no engine fault codes, a perfect data read-out and the engine ran perfectly. Also no erroneous signal on the oscilloscope. This one was definitely no fun.