





# GM 4T40-E, 4T45-E (FWD 4 Speed)

ILL. NO.	PART NUMBER	PER CAR	DESCRIPTION	YEARS
---	<b>TM4T40E</b>		Technical Manual .....	1995-On
<b>REBUILDER BOX KITS</b>				
---	<b>MRK4200-S</b> <sup>1,2</sup>		Master Rebuilder Kit (w/o Steels) ..... <b>All, Except Hybrid</b> .....	1995-07
---	<b>MRK4200K-S</b> <sup>1,2</sup>		Master Rebuilder Kit (w/o Steels) ..... <b>Hybrid</b> .....	2007-On
---	<b>MRK4200L-S</b> <sup>1,2</sup>		Master Rebuilder Kit (w/o Steels) ..... <b>All, Except Hybrid</b> .....	2008-On
---	<b>K4200-S</b> <sup>1,2</sup>		Master Kit (w/o Steels) ..... <b>All, Except Hybrid</b> .....	1995-07
---	<b>K4200K-S</b> <sup>1,2</sup>		Master Kit (w/o Steels) ..... <b>Hybrid</b> .....	2007-On
---	<b>K4200L-S</b> <sup>1,2</sup>		Master Kit (w/o Steels) ..... <b>All, Except Hybrid</b> .....	2008-On
<b><u>Steel Plate Sub-Kits:</u></b>				
---	<b>K4200-9</b>		Steel Plate Kit ..... <b>All</b> .....	1995-On
<sup>1</sup> Kits <b>do not</b> include the molded rubber pan gasket, please order <b>42170R</b> separately. <sup>2</sup> Kits <b>do not</b> include the molded rubber clutch pistons, please order <b>K42900-4</b> separately.				
<b>OVERHAUL KITS, GASKET SETS, AND SEAL KITS</b>				
---	<b>K42900</b> <sup>1,2</sup>		Overhaul Kit ..... <b>All, Except Hybrid</b> .....	1995-On
---	<b>K42900K</b> <sup>1,2</sup>		Overhaul Kit ..... <b>Hybrid</b> .....	2007-On
---	<b>K42900-1</b> <sup>1,2</sup>		Gasket and Rubber Kit ..... <b>All, Except Hybrid</b> .....	1995-On
---	<b>K42900-8</b> <sup>1</sup>		External Seal-Up Kit ..... <b>All, Except Hybrid</b> .....	1995-On
---	<b>K42900-3</b>		Valve Body Gasket Set ..... <b>All</b> .....	1995-03
---	<b>K42900H-3A</b>		Valve Body Gasket Set .... <b>All, Except Hybrid (Includes '04-'05 &amp; '06-On Gaskets)</b> ...	2004-On
---	<b>K42900K-3</b>		Valve Body Gasket Set ..... <b>Hybrid</b> .....	2007-On
<b>GASKET AND RUBBER COMPONENTS</b>				
1E	<b>42170</b>	1	Oil Pan Gasket ..... <b>Duraprene</b> .....	1995-On
1E	<b>42170R</b>	1	Oil Pan Gasket ..... <b>Molded Rubber</b> .....	1995-On
2A	<b>42175</b>	1	Side Cover Seal ( <b>Outer</b> ) ..... <b>Molded Rubber</b> .....	1995-On
3A	<b>42176</b>	1	Side Cover Seal ( <b>Inner</b> ) ..... <b>Molded Rubber</b> .....	1995-On
5A	<b>42106</b>	1	Channel Plate to Case Gasket .....	1995-On
6A	<b>42126</b>	2	Cooler Line to Case Seals .....	1995-On
8E	<b>42120</b>	1	Oil Filter Seal .....	1995-On
<b>CLUTCH PLATES</b>				
21B	<b>42302</b>	3	Second Clutch Friction ..... <b>36T, .070" - 6.579" O.D.</b> .....	1995-On
22B	<b>42303</b>	3	Second Clutch Steel ..... <b>8T, .090" - 4.795" I.D.</b> .....	1995-On
23B	<b>42303B</b>	1	Second Clutch Steel ( <b>Waved</b> ) ..... <b>.053"</b> .....	1995-On
25B	<b>42306</b>	3	Reverse Input Friction ..... <b>48T, .070" - 5.307" O.D.</b> .....	1995-On
26B	<b>42307</b>	2	Reverse Input Steel ( <b>Turbulator</b> ) ..... <b>30T, .085" - 3.990" I.D.</b> .....	1995-On
27B	<b>42307B</b>	1	Reverse Input Steel ( <b>Waved</b> ) ..... <b>.042"</b> .....	1995-On
30B	<b>42310</b>	4	Coast Friction ..... <b>20T, .070" - 3.276" O.D.</b> .....	1995-On
31B	<b>42311</b>	4	Coast Steel ..... <b>12/16T, .070" - 2.441" I.D.</b> .....	1995-On
34C	<b>42308</b>	6	Direct Friction ( <b>External Splines</b> ) ..... <b>36T, .069" - 5.305" I.D.</b> .....	1995-On
34C	<b>42308L</b>	6	Direct Friction ( <b>External Splines - High Energy</b> ) <b>36T, .069" - 5.305" I.D.</b> .....	2008-On
35C	<b>42309</b>	6	Direct Steel ( <b>Internal Splines</b> ) ..... <b>.074"</b> .....	1995-On
35C	<b>42309L</b>	6	Direct Steel ( <b>Internal Splines - High Energy</b> ) ..... <b>.074"</b> .....	2008-On
38D	<b>42304</b>	7	Forward Friction ..... <b>30T, .070" - 5.000" O.D.</b> .....	1995-On
39D	<b>42305</b>	7	Forward Steel ..... <b>30T, .070" - 4.075" I.D.</b> .....	1995-On

# GM 4T40-E, 4T45-E (FWD 4 Speed)

4T40 / 4T45E

ILL. NO.	PART NUMBER	PER CAR	DESCRIPTION	YEARS
<b>METAL CLAD SEALS</b>				
41D	<b>46526</b>	1	Front Pump .....	1995-On
42A/D	<b>42551</b>	2	Axle ..... <b>Left and Right</b> .....	1995-On
43A/D	<b>42552</b>	2	Axle ( <b>Inner Sleeve</b> ) ..... <b>Left and Right</b> .....	1995-On
---	<b>46507A</b>	1	Manual Lever .....	1995-On
<b>BUSHINGS</b>				
---	<b>K42980</b>	1	Bushing Assortment Kit .....	1995-On
50D	<b>46005A</b>	1	Converter Hub .....	1995-On
51A	<b>45001</b>	1	Turbine Shaft .....	1995-On
52A	<b>42002</b>	1	Driven Sprocket Support .....	1995-On
53B	<b>42003</b>	1	Reverse/Input Drum ..... <b>Front - Large</b> .....	1995-On
54B	<b>42004</b>	1	Reverse/Input Drum ..... <b>Rear- Small</b> .....	1995-On
55B	<b>46010</b>	1	Direct/Coast Drum w/Input Shaft ..... <b>Front</b> .....	1995-On
56B	<b>42006</b>	1	Direct/Coast Drum w/Input Shaft ..... <b>Rear</b> .....	1995-On
57C	<b>42007</b>	1	Reaction Sun Gear Shell ..... <b>Front</b> .....	1995-On
58C	<b>42008</b>	1	Reaction Sun Gear Shell ..... <b>Rear</b> .....	1995-On
59C	<b>42009</b>	1	Forward Clutch Hub/Input Flange .....	1995-On
60D	<b>42010</b>	1	Forward Clutch Housing ..... <b>Front - Small</b> .....	1995-On
61D	<b>42011</b>	1	Forward Clutch Housing ..... <b>Rear - Large</b> .....	1995-On
62D	<b>42012</b>	1	Differential Sun Gear Shaft .....	1995-On
63D	<b>42013</b>	1	Forward Clutch Support/Differential Ring Gear ..... <b>Front</b> .....	1995-On
64D	<b>42014</b>	1	Forward Clutch Support/Differential Ring Gear ..... <b>Rear</b> .....	1995-On
65D	<b>46009</b>	1	Case/Axle .....	1995-On
---	<b>K42050</b>	1	Channel Plate Sleeve Kit ..... <b>Sonnax</b> .....	1995-On
<b>THRUST WASHERS AND BEARINGS</b>				
---	<b>K42940</b>	1	Thrust Washer Kit ( <b>w/o Selectives</b> ) .....	1995-On
---	<b>K42941</b>	1	Thrust Bearing Kit ( <b>* Not Included</b> ) .....	1995-On
70A	<b>46406</b>	1	Channel Plate to Drive Sprocket Washer ..... <b>4 Tab</b> .....	1995-On
71A	<b>46405</b>	1	Drive Sprocket to Support Washer ..... <b>4 Tab</b> .....	1995-On
72A	<b>42404</b>	1	Driven Sprocket to Case Cover Washer ..... <b>3 Tab</b> .....	1995-On
73A	<b>46413A</b>	1	Driven Sprocket to Support Washer .....	1995-On
74A	<b>42405</b>	1	Support to Reverse/Input Drum Washer ..... <b>8 Tab</b> .....	1995-On
75B	<b>42406</b>	1	Rev./Input Drum to Direct/Coast Clutch Drum - Selective - <b>Brown, 1.55mm</b> .....	1995-On
75B	<b>42406A</b>	1	Rev./Input Drum to Direct/Coast Clutch Drum - Selective - <b>Gray, 1.85mm</b> .....	1995-On
75B	<b>42406B</b>	1	Rev./Input Drum to Direct/Coast Clutch Drum - Selective - <b>Natural, 2.15mm</b> .....	1995-On
75B	<b>42406C</b>	1	Rev./Input Drum to Direct/Coast Clutch Drum - Selective - <b>Black, 2.45mm</b> .....	1995-On
75B	<b>42406D</b>	1	Rev./Input Drum to Direct/Coast Clutch Drum - Selective - <b>Orange, 2.75mm</b> .....	1995-On
75B	<b>42406E</b>	1	Rev./Input Drum to Direct/Coast Clutch Drum - Selective - <b>Violet, 3.05mm</b> .....	1995-On
75B	<b>42406F</b>	1	Rev./Input Drum to Direct/Coast Clutch Drum - Selective - <b>Yellow, 3.35mm</b> .....	1995-On
75B	<b>42406G</b>	1	Rev./Input Drum to Direct/Coast Clutch Drum - Selective - <b>Red, 3.65mm</b> .....	1995-On
75B	<b>42406H</b>	1	Rev./Input Drum to Direct/Coast Clutch Drum - Selective - <b>Green, 3.95mm</b> .....	1995-On
76C	<b>42407</b>	1	Low/Forward Clutch Roller Outer Race Washer ..... <b>3 Tab</b> .....	1995-On
<b><u>Bearings:</u></b>				
80B	<b>42420</b>	1	Reverse/Input Drum to Direct/Coast Clutch Drum Needle Bearing .....	1995-On
81B	<b>42421</b>	1	Direct/Coast Clutch Drum to Input Sun Gear Shaft Needle Bearing .....	1995-On
82C	<b>42422</b>	1	Reaction Carrier Shell Needle Bearing ..... <b>Front</b> .....	1995-On

# GM 4T40-E, 4T45-E - Cont'd.

ILL. NO.	PART NUMBER	PER CAR	DESCRIPTION	YEARS
<b>THRUST WASHERS AND BEARINGS - Cont'd.</b>				
83C	<b>42420</b>	1	Reaction Carrier Shell Needle Bearing ..... <b>Rear</b> .....	1995-On
---	<b>42424*</b>	1	Reaction (Front) Planetary Needle Bearing ( <b>Captured</b> ) .....	1995-On
85C	<b>42424</b>	1	Reaction (Front) Planetary to Sun Gear Needle Bearing .....	1995-On
86C	<b>42421</b>	1	Sun Gear to Input (Rear) Planetary Needle Bearing .....	1995-On
87C	<b>52424</b>	1	Input (Rear) Planetary to Input Carrier Flange Needle Bearing .....	1995-On
88D	<b>42425</b>	1	Forward Clutch Inner Race to Forward Clutch Support Needle Bearing .....	1995-On
89D	<b>42426</b>	1	Forward Clutch Support to Park Gear Needle Bearing .....	1995-On
90D	<b>52427</b>	1	Differential Sun Gear to Differential Needle Bearing .....	1995-On
91D	<b>46408</b>	1	Differential Carrier to Case Needle Bearing .....	1995-On
93A	<b>42430*</b>	1	Pump Shaft Bearing .....	1995-03
93A	<b>53430N*</b>	1	Pump Shaft Bearing ( <b>w/o Cage</b> ) .....	2004-On
94A	<b>52430*</b>	1	Drive Sprocket Bearing ( <b>Drawn Cup</b> ) .....	1995-On
95A	<b>46430*</b>	1	Driven Sprocket Bearing ( <b>Drawn Cup</b> ) .....	1995-On
<b>SEALING RINGS</b>				
---	<b>K42901</b>	1	Sealing Ring Kit .....	1995-On
97A	<b>46202AT</b>	1	Turbine Shaft ( <b>Front</b> ) ..... <b>Blue</b> .....	1995-On
98A	<b>46202TS</b>	2	Turbine Shaft ( <b>Rear</b> ) ..... <b>Green</b> .....	1995-On
98A	<b>42203TS</b>	2	Turbine Shaft ( <b>Rear - Slightly Larger</b> ).. <b>White w/Green Speckles</b> .....	1997-On
99A	<b>42200T</b>	2	Driven Sprocket Support .....	1995-On
100B	<b>42201T</b>	4	Input Shaft/Direct-Coast Drum .....	1995-On
101D	<b>42202T</b>	2	Forward Clutch Support .....	1995-On
<b>BANDS</b>				
105B	<b>42714</b>	1	Overdrive Band ( <b>In MRK Kit</b> ) .....	1995-On
106D	<b>52713H</b>	1	Low/Reverse Band .....	1995-On
<b>TRANSMISSION OIL FILTERS</b>				
110E	<b>42600</b>	1	Oil Filter .....	1995-On
111E	<b>ATK-177</b>	1	Oil Filter Kit .....	1995-On
---	<b>51612</b>	1	Shift Solenoid Fluid Screen ( <b>On Separator Plate, See page 1.33-10</b> ).....	1995-On
---	<b>42611</b>	1	Pressure Control Solenoid Screen ( <b>In Valve Body Bore, See page 1.33-10</b> ) .....	1995-On
<b>MOLDED RUBBER PISTONS</b>				
---	<b>K42900-4</b>	1	Piston Kit ( <b>Complete</b> ) ..... <b>Molded Rubber</b> .....	1995-On
115A	<b>42842</b>	1	Second Clutch Piston ..... <b>Molded Rubber</b> .....	1995-On
116B	<b>K42840</b>	1	Reverse Input Clutch Piston & Sleeve ..... <b>Molded Rubber</b> .....	1995-On
117B	<b>42846</b>	1	Coast Clutch Piston ..... <b>Molded Rubber</b> .....	1995-On
118C	<b>42843</b>	1	Direct Clutch Piston ..... <b>Molded Rubber</b> .....	1995-On
119D	<b>K42841</b>	1	Forward Clutch Piston & Sleeve ..... <b>Molded Rubber</b> .....	1995-On

# GM 4T40-E, 4T45-E - Cont'd.

ILL. NO.	PART NUMBER	PER CAR	DESCRIPTION	YEARS
<b>SPRAGS AND ROLLER CLUTCHES</b>				
121B	42813	1	Second Roller Clutch (12 Rollers) .....	1995-On
122C	42814	1	Input Sprag (22 Elements) .....	1995-On
123D	42815C	1	Low (Forward) Roller Clutch (17 Rollers, Retrofits 16-Roller) .....	1995-06
123D	42815J	1	Low (Forward) Roller Clutch (21 Rollers) .....	2006-On
<b>CHAINS</b>				
125A	42888	1	Drive Chain (3/4" Wide - 42 Rocker Links) ..... 4T40-E .....	1995-03
125A	42888B	1	Drive Chain (7/8" Wide - 42 Rocker Links) ..... 4T45-E .....	1997-On
125A	42888K	1	Drive Chain (7/8" Wide) ..... Hybrid .....	2007-On
125A	42888H	1	Drive Chain (5/8" Wide - Inverted ZX Tooth Design) .....	2004-On
<b>SHIFT ENHANCEMENTS</b>				
---	K42889	1	Boost Valve and Sleeve Kit (Sonnax, Line Pressure Issues) .....	1995-On
---	42884	1	TCC Control Valve Sleeve ..... (Sonnax, Oversized, Use w/K42584 Reamer Kit) .....	1995-On
Addresses: No TCC Apply and Release Problems.				
---	42887	1	TCC Regulator Apply Sleeve . (Sonnax, Oversized, Use w/K42587 Reamer Kit) .....	1995-On
Addresses: No TCC Apply and Soft or Slipping Apply.				
---	K42989W	1	Pressure Regulator Valve ... (Sonnax, Oversized, Use w/K42589W Reamer Kit) .....	1995-On
Addresses: Low/High Line Pressure, 2-3 Shudder and Hydraulic Buzz.				
---	K42989	1	Pressure Regulator Valve Kit (TransGo) .....	1995-On
Addresses: Saves 3 Valve Bodies, Stops Planet Burn-up, Clutch Burn-up and Codes. Includes: Three P.R. Valves, P.R.Springs and Pump Slide Springs as well as a Reamer and Guide.				
---	K42989RF	1	Pressure Regulator Valve Refill Kit (TransGo, Valves and Springs - No Tools) .....	1995-On
---	K42886	1	Actuator Feed Limit Valve & Sleeve Kit (Sonnax, Oversized, Use w/K42586 Tool Kit) ...	1995-On
Addresses: High Pressure in Reverse, Delayed Forward or Code 1811, Blown Valve Body Gaskets, 2nd Gear Starts, Loss of 4th and Harsh 1-2 and 2-3 Shift.				
<b>ELECTRONIC COMPONENTS</b>				
130A	42871	2	"A" & "B" Shift Solenoids .....	1995-On
---	42873K	1	4-3 Downshift Solenoids ..... Hybrid Only .....	2007-On
131A	41870A	1	TCC Solenoid .....	1995-On
132A	42879	1	Force Motor (EPC) Solenoid .....	1995-02
132A	41879F	1	Force Motor (EPC) Solenoid .....	2003-On
133A	42877	1	Pressure Switch Manifold (w/6 Switches) ..... Gray .....	1995-03
133A	42877H	1	Pressure Switch Manifold (w/3 Switches) Black, Except Hybrid .....	2004-On
133A	42877K	1	Pressure Switch Manifold ..... Hybrid Only .....	2007-On
---	42877B	1	Manual Lever Position Switch (w/o Harness - 2 Connectors) .....	1997-On
---	42877J	1	Manual Lever Position Switch (w/o Harness - 1 Connector) .....	2004-On
134A	42869	1	Internal Wiring Harness ..... 14-Pin Gray Connector .....	1995-03
134A	42869H	1	Internal Wiring Harness ..... 13-Pin Black Connector, Except Hybrid .....	2004-On
134A	42869K	1	Internal Wiring Harness ..... Hybrid Only .....	2007-On

4T40 / 4T45E

# GM 4T40-E, 4T45-E - Cont'd.

ILL. NO.	PART NUMBER	PER CAR	DESCRIPTION	YEARS
<b>ELECTRONIC COMPONENTS - Cont'd</b>				
---	<b>41859VC</b>	1	External Repair Harness ( <b>Universal Style</b> ) .....	1995-03
---	<b>41859HVC</b>	1	External Repair Harness ..... <b>Except Hybrid</b> .....	2004-On
135D	<b>42875</b>	1	Turbine Speed Sensor ( <b>Stamped 32/33T</b> ) ..... <b>4 Cylinder</b> .....	1995-On
135D	<b>42875A</b>	1	Turbine Speed Sensor ( <b>Stamped 35T</b> ) ..... <b>6 Cylinder</b> .....	1995-On
136D	<b>42876</b>	1	Output Speed Sensor ( <b>Except Sunfire</b> ) .....	1995-On
136D	<b>42876A</b>	1	Output Speed Sensor ( <b>Sunfire</b> ) .....	1995-On
---	<b>33855VC</b>	1	Output Speed Sensor Repair End .....	1995-On
<b>HARD PARTS AND MISCELLANEOUS</b>				
<p><b>Note : When ordering Hard Parts, please add the appropriate suffix : (-R) Reman, (-U) Used, (-A) Aftermarket.</b></p>				
<b><u>Pump Components:</u></b>				
---	<b>K46820</b>	1	Front Pump Vane and Ring Kit .....	1995-On
143A	<b>46823</b>	7	Pump Vane .....	1995-On
144A	<b>46817A</b>	1	Pump Rotor ..... <b>15-Tooth Spline</b> .....	1995-On
145A	<b>46822</b>	2	Front Pump Vane Rings ( <b>Standard</b> ) ..... <b>1.4151" O.D.</b> .....	1995-On
150A	<b>K42895</b>	1	Pump Assembly ..... <b>Except Hybrid</b> .....	1995-On
151A	<b>42816</b>	1	Pump Shaft ( <b>Late Design</b> ) .....	1995-On
<b><u>Accumulator Components:</u></b>				
155A	<b>42782</b>	1-3	1-2, 2-3 & 3-4 Accumulator Piston .....	1995-On
156A	<b>42771</b>	1	1-2 Accumulator Piston Spring .....	1995-On
157A	<b>42772</b>	1-2	2-3 & 3-4 Accumulator Piston Spring .....	1995-On
158A	<b>42773</b>	1	1-2 Accumulator Piston Cushion Spring .....	1995-96
158A	<b>42773B</b>	1	1-2 Accumulator Piston Cushion Spring ( <b>w/Insert</b> ) .....	1997-On
158A	<b>42773</b>	1	2-3 Accumulator Piston Cushion Spring .....	1995-On
<b><u>Hard Parts:</u></b>				
160A	<b>42797</b>	1	Driven Sprocket Support .....	1995-On
170B	<b>42806</b>	1	Reverse Input Drum .....	1995-On
194B	<b>42838</b>	1	Input Sun Gear Shaft .....	1995-On
---	<b>K42835</b>	1	Geartrain Kit ( <b>Includes: Ill.# 198C-205C</b> ) .....	1995-On
198C	<b>42858</b>	1	Reaction Carrier Shaft/Shell .....	1995-On
199C	<b>42810</b>	1	Reaction Sun Gear Shell ( <b>Updated</b> ) .....	1995-On
200C	<b>42833</b>	1	Reaction Planetary .....	1995-On
201C	<b>42860</b>	1	Input Sun Gear .....	1995-On
202C	<b>42859</b>	1	Reaction Ring Gear .....	1995-On
203C	<b>42831</b>	1	Input Planetary .....	1995-On
204C	<b>42864</b>	1	Input Ring Gear .....	1995-On
205C	<b>42839</b>	1	Forward Hub .....	1995-On
206D	<b>42801</b>	1	Forward Clutch Housing .....	1995-On
224E	<b>42799</b>	1	Park Rod .....	1995-On
225E	<b>42884H</b>	1	Oil Pan .....	1995-On
250A	<b>20-125</b>	1	Valve Body ( <b>Reman</b> ) .....	1995-96
250A	<b>20-126</b>	1	Valve Body ( <b>Reman</b> ) ..... <b>w/Cross Drilled P.R. Valve, Casting 24209130</b> .....	1997-01
250A	<b>20-127A</b>	1	Valve Body ( <b>Reman</b> ) ..... <b>w/No 2-3 Acc. Valve, Holley EPC, Casting 24214698</b> .....	2002-03
250A	<b>20-127B</b>	1	Valve Body ( <b>Reman</b> ) ..... <b>w/No 2-3 Acc. Valve, Bosch EPC, Casting 24214698</b> .....	2002-03
250A	<b>20-127C</b>	1	Valve Body ( <b>Reman</b> ) ..... <b>w/Bosch EPC, 3 Switch PSM, Casting 24216020</b> .....	2004-On
250A	<b>20-127D</b>	1	Valve Body ( <b>Reman</b> ) ..... <b>w/Bosch EPC, Tap Shift Style</b> .....	2004-On
<b>TOOLS</b>				
---	<b>T2019</b>	1	FWD Clutch Inner Seal Installer .....	1995-On
---	<b>T2021</b>	1	REV Clutch Inner Seal Installer .....	1995-On
---	<b>J41234</b>	1	Input Shaft Sealing Ring Installer/Resizer Kit .....	1995-On