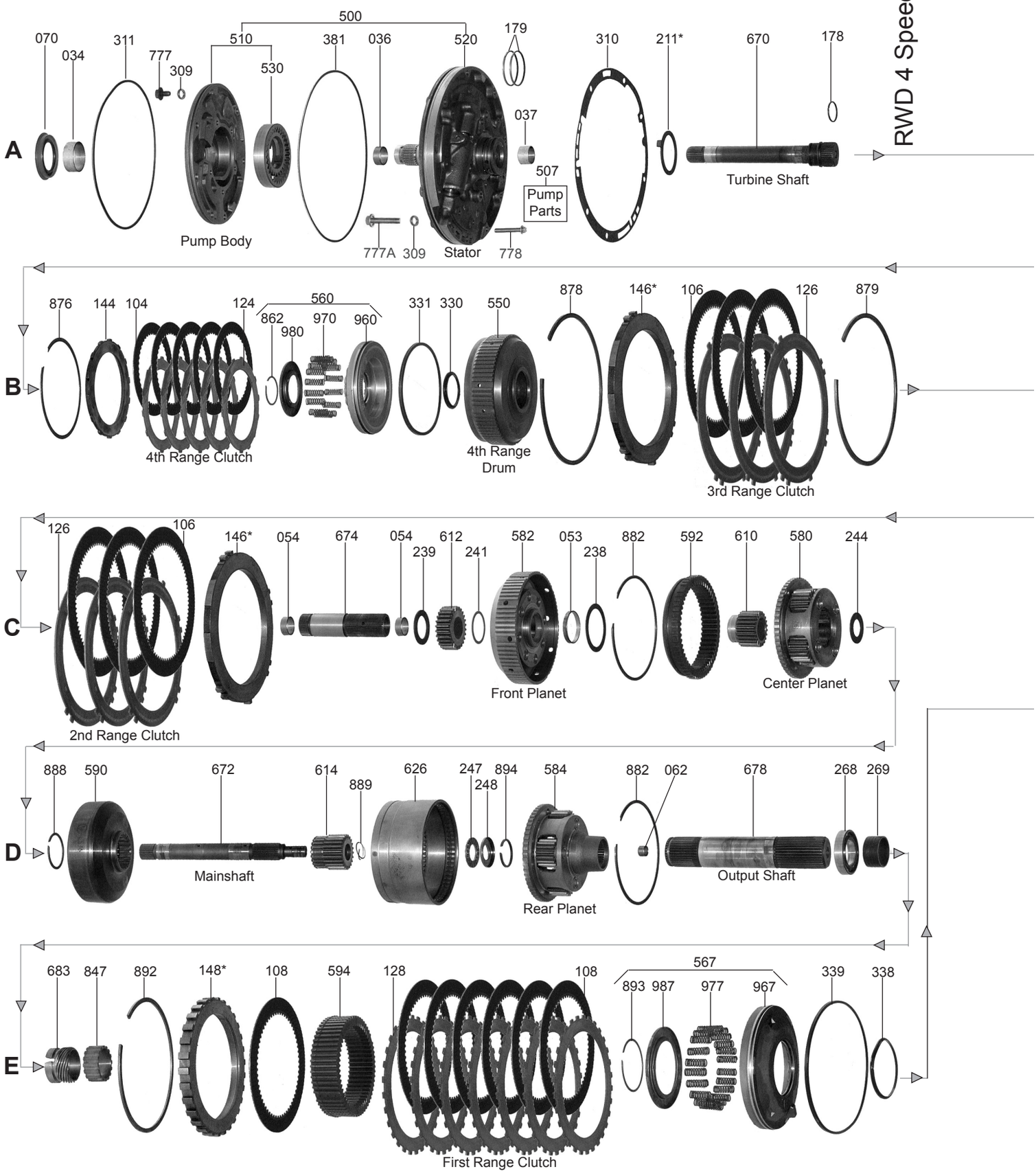
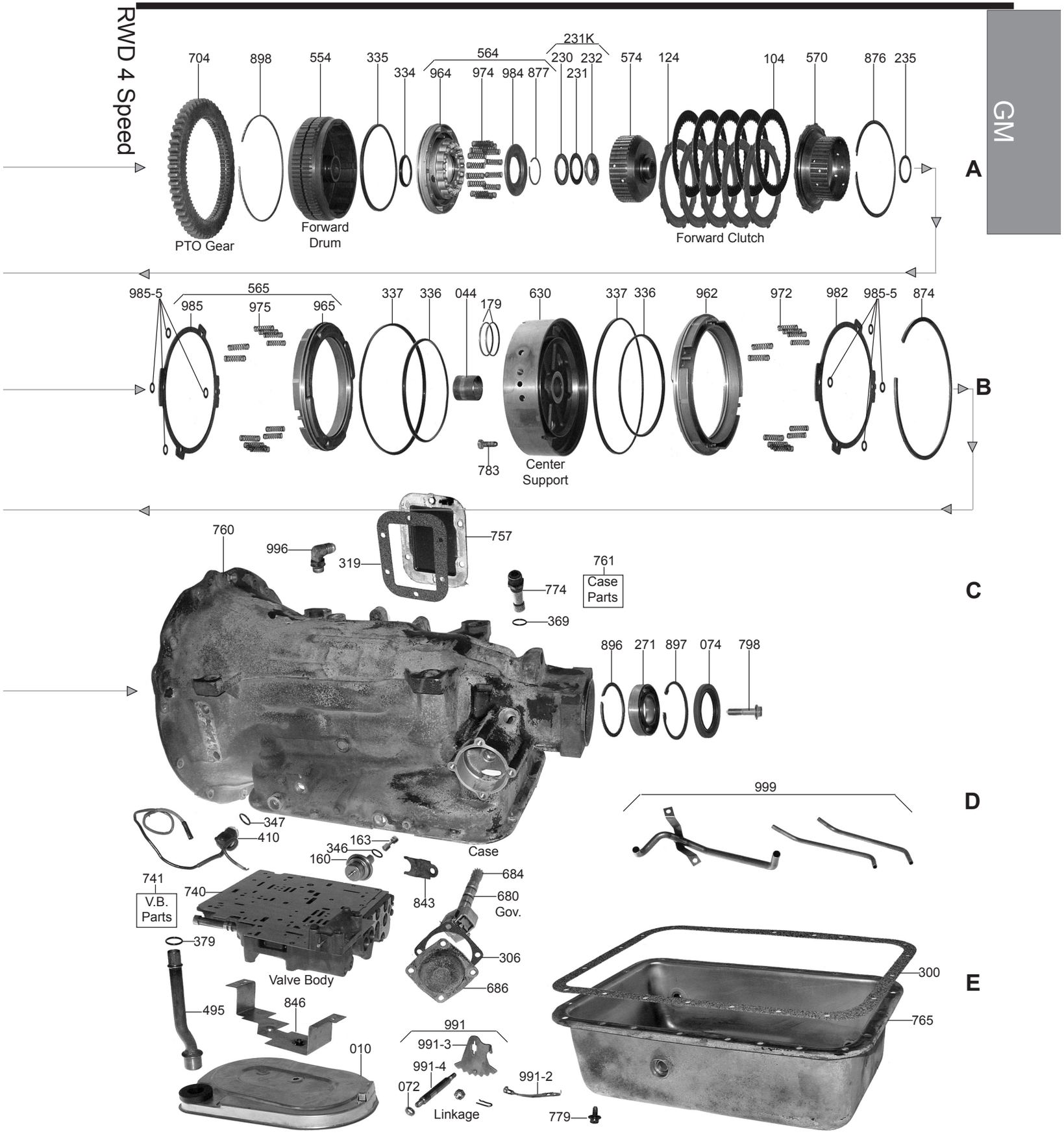
Allison AT540 / AT543 / AT545

RWD 4 Speed

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PTO Gear
Forward Drum
Forward Clutch
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Center Support
B
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Case Parts
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C
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Case
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V.B. Parts
740
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Valve Body
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991-3
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Linkage
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AT540 / AT543 / AT545

PART #	PAPER & RUBBER KIT	QTY.	REFERENCE #
111000	Paper & Rubber Kit, AT540/AT545	1	

PART #	OVERHAUL KITS	QTY.	REFERENCE #
111002	Overhaul Kit, AT540/AT545	1	

PART #	MASTER L/STEEL KIT	QTY.	REFERENCE #
111004	Master L/Steels Kit, AT540/AT545	1	

PART #	MASTER W/STEEL KIT	QTY.	REFERENCE #
111006	Master W/Steels Kit, AT540/AT545	1	

PART #	FILTER	QTY.	REFERENCE #
101010	Filter, AT545	1	6883044
34010B	Filter, AT540 (Flat, Brass Screen) (400 Type Filter)	1	

PART #	FILTER KIT	QTY.	REFERENCE #
111011	Filter Kit, AT540 (Flat, Brass Screen)(400 Type Filter)	1	
111011A	Filter Kit, AT545	1	

PART #	BUSHINGS	QTY.	REFERENCE #
111030	Bushing Kit, AT540/AT545 1970-Up	1	
111034B	Bushing, AT540/AT545 Front Pump Body	1	29511860
111036	Bushing, AT540/AT545 Stator (Front) (Use 34037)	1	
34037	Bushing, AT540 (Some) Stator (Rear) (Also fits AT540/AT545 Stator Front, & Sun Gear Front & Rear)	1-4	8623944
111037B	Caged Needle Bearing, AT540/AT545 Stator (Rear) (Use 111209B)	1	
111209B	Caged Needle Bearing, AT540/AT545 Stator (Rear)	1	
111044	Bushing, AT540/AT545 Center Support (1.404"ID)	1	
111053	Bushing, AT540/AT545 Front Planet	1	
111054	Bushing, AT540/AT545 Sun Gear (Front & Rear) (Use 34037)	2	
111062	Bushing, AT540/AT545 Output Shaft Pilot	1	

PART #	METAL CLAD SEALS	QTY.	REFERENCE #
44070	Seal, AT540/AT545 Front Pump	1	8641826
44072	Seal, AT540/AT545 Linkage Shaft	1	8623056
111074	Seal, AT540/AT545 Rear Case (Extension Housing) (3.630"OD, 2.500"ID)	1	6778050

PART #	FRICTION CLUTCH	QTY.	REFERENCE #
111104	Friction, AT540/AT545 4th & Forward Clutch (.080") 42 Teeth (5.89"OD)	10	23042197
111106	Friction, AT540/AT545 2nd & 3rd Clutch (.100") 80 Teeth (9.10"OD)	6	29537887
111108	Friction, AT540/AT545 1st Range Clutch (.097") 60 Teeth (8.15"OD)	7	23042198

PART #	STEEL CLUTCH	QTY.	REFERENCE #
111124	Steel, AT540/AT545 4th & Forward Clutch (Use 34126A)	5-10	29530330
34126A	Steel, AT540/AT545 4th & Forward Clutch .090" (14 Teeth)	5-10	8625197
111126	Steel, AT540/AT545 2nd & 3rd Clutch .098" (9 Teeth) (7.25"ID)	6	29515399
111128	Steel, AT540/AT545 1st Range Clutch .098" (30 Teeth) (6.50"ID)	7	6831705

PART #	CLUTCH PRESSURE PLATES	QTY.	REFERENCE #
111144	Pressure Plate, AT540/AT545 4th Range Clutch (Use 34146)	1	
34146	Pressure Plate, AT540/AT545 4th Range Clutch	1	8661575
111146AA	Pressure Plate, AT540/AT545 2nd & 3rd Range Clutch (Selective)	2	
111148AA	Pressure Plate, AT540/AT545 1st Range Clutch (Selective)	1	

PART #	MODULATORS	QTY	REFERENCE #
111160	Modulator, AT540/AT545 (Allison) White (Adjustable)	1	29501199

PART #	OIL SEALING RINGS	QTY.	REFERENCE #
111175	Ring Kit, AT540/AT545	1	
111178	Ring, AT540/AT545 Turbine Shaft	1	8616052
111179	Ring, AT540/AT545 Stator To Forward Drum & Center Support 1970-Up	4	23046598

PART #	WASHERS & BEARINGS	QTY.	REFERENCE #
111200	Washer Kit, AT540/AT545 (5 Pieces) 1988-Up	1	
111200A	Washer Kit, AT540/AT545 (13 Pieces) 1988-Up	1	
111209B	Caged Needle Bearing, AT540 Stator (Rear)	1	23016866
111211A	Washer, AT540/AT545 Stator To Forward Drum (# 0) (.056”-.060”)	1	6831620
111211AA	Washer, AT540/AT545 Stator To Forward Drum (# 1) (.072”-.076”)	1	6831621
111211AB	Washer, AT540/AT545 Stator To Forward Drum (# 2) (.089”-.093”)	1	6831622
111211AC	Washer, AT540/AT545 Stator To Forward Drum (# 3) (.105”-.109”)	1	6831623
111211AD	Washer, AT540/AT545 Stator To Forward Drum (# 4) (.121”-.125”)	1	6831624
111211AE	Washer, AT540/AT545 Stator To Forward Drum (# 5) (.138”-.142”)	1	6831625
111231K	Bearing Set, AT540/AT545 Forward Drum To Forward Clutch Hub (Bearing & 2 Races)	1	9414211
34235	Washer, AT540/AT545 Forward Clutch Hub To 4th Range Drum (Brass)	1	8624781
111238	Washer, AT540/AT545 Front Planet To Center Planet (Fiber) (3.085”OD)	1	6831673
111239	Washer, AT540/AT545 Front Sun Gear To Center Support (Fiber) (2.135”OD)	1	29506146
111241	Washer, AT540/AT545 Front Sun Gear To Front Planet (Brass)	1	23013451
111244	Washer, AT540/AT545 Center Planet To Center Ring Gear (.062”)	1	29506147
111247	Bearing, AT540/AT545 Rear Sun Gear To Rear Planet (1.766”OD)	1	
111248	Race, AT540/AT545 Rear Sun Gear To Rear Planet (1.809”OD)	1	
111268	Ball Bearing, AT540/AT545 Output Shaft To Case (Front) (2.953”OD) (3L09)	1	
111269	Spacer, AT540/AT545 Output Shaft Bearing (Front) To Governor Drive Gear (1.924” Thick)	1	
111271	Ball Bearing, AT540/AT545 Output Shaft To Case (Rear) (3.350”OD) (NDH 3209)	1	23047970

PART #	GASKETS & RUBBER COMPONENTS	QTY.	REFERENCE #
111300	Gasket, AT540/AT545 Bottom Pan (Also Fits MT600 Series)	1	29501160
111300A	Gasket, AT540/AT545 Bottom Pan (Also Fits MT600 Series) (Armstrong)	1	
111300F	Gasket, AT540/AT545 Bottom Pan (Also Fits MT600 Series) (Farpak)	1	
34305	Gasket, AT540/AT543/AT545 Extention Housing	1	8624709
34306	Gasket, AT540/AT545 Governor Cover	1	8623263
44309	Gasket, AT540/AT545 Stator Bolt Washer	6	8626281
111310	Gasket, AT540/AT545 Pump To Case	1	23015883
44311	O-Ring, AT540/AT545 Pump Body	1	8626309
111319	Gasket, AT540/AT545 PTO Cover	1	29501161
34334C	Lip Seal, AT540 4th Range Clutch (Inner)	1	8623121
34335	Lip Seal, AT540/AT545 Forward & Direct Clutch (Outer)	1	8623101
34336	Lip Seal, AT540/AT545 Forward & Direct Clutch (Inner)	1	8623102
103368	O-Ring, AT540/AT545 Modulator (Also Fits Speed-O Housing & Neutral Safety Switch)	1-3	10054241
111346	O-Ring, AT540/AT545 Modulator (Use 103368)	1	10054241
111379	O-Ring, AT540/AT545 Filler Tube (Use 12368A)	1	1363951
12368A	O-Ring, AT540/AT545 Filler Tube	1	1363951
111381	O-Ring, AT540/AT545 Pump Stator (Lathe Cut)	1	

PART #	TECHNICAL MANUALS	QTY.	REFERENCE #
111400A	Service Manual, AT540/AT545	1	

PART #	ELECTRICAL COMPONENTS	QTY.	REFERENCE #
111410A	Switch, AT540/AT545 Neutral Safety	1	
111412A	Switch, AT540/AT545 Pressure (On Passenger Side Of Case)	1	

PART #	MISC. COMPONENTS	QTY.	REFERENCE #
111495A	Filter Tube, AT540 (6 1/2” Long) (3/4”OD At Each End)	1	
111495C	Filter Tube, AT545 (7 15/16” Long) (1 3/16”OD At 1 End)	1	

AT540 / AT543 / AT545

PART #	HARD PARTS	QTY.	REFERENCE #
34510	Pump Body, AT540/AT545 (6 Bolt)(Cast # 895)	1	8679988
34510A	Pump Body, AT540/AT545 (8 Bolt)(Cast # 895)	1	
34510B	Pump Body, AT540/AT545 (8 Bolt)(Cast # 121)	1	
111510B	Pump Body, AT545 (Cast # 919) (6 Bolts From Front Of Body To Stator)	1	29537354
111510CA	Pump Body, AT545 (Cast # 336) (7 Bolts From Front Of Body To Stator)	1	
111520A	Stator, AT540 (Uses Pump Body Cast # 895)	1	23014020
111520B	Stator, AT545 (uses A Body W/Cast # 919)(With 6 Bolts From Front Of Body To Stator)(With 3 Long & 2 Short Bolts From Rear Of Stator To Body)(With 2 Breaks In Th Flat Gasket Surface On Rear)(With .435"ID Vent Hole)	1	
111520BA	Stator, AT545 (Uses A Body With Cast #919)(With 6 Bolts From Front Of Body To Stator) (With 3 Long & 2 Short Bolts From Rear Of Stator To Body)(With 3 Breaks In Flat Gasket Surface On Rear)(With .310"ID Vent Hole)	1	
111520BB	Stator, AT545 (Uses A Body With Cast #919)(With 6 Bolts From Front Of Body To Stator) (With 5 Long Bolts From Rear Of Stator To Body)(With 2 Breaks In The Flat Gasket Surface On Rear)(With .435"ID Vent Hole)	1	
111520CA	Stator, AT545 (Uses Pump Body Cast # 919) (With 7 Bolts From Front Of Body To Stator)	1	
44530AC	Pump Gear Set, AT540/AT545 (.727" Thick)	1	
111550A	Drum, AT540/AT545 4th Range Clutch (5 Clutch) (No Snap Ring Groove On The OD)(1.350"OD Front Splines On # 674, Must Measure)(Also Fits AT540/AT545 Forward Drum W/Out PTO)	1-2	29506156
111550AA	Drum, AT540/AT545 4th Range Clutch (5 Clutch)(No Snap Ring Groove On OD)(1.398"OD Front Splines On # 674, Must Measure)(Also Fits AT540/AT545 Forward Drum Without PTO)	1-2	
111554	Drum, AT540/AT545 Forward Drum (No Snap Ring Groove On The OD) (Use 111550)	1	
111554A	Drum, AT540/AT545 Forward Clutch (5 Clutch) (With Snap Ring Groove On The OD For The PTO Gear)	1	29506185
111560	Piston Kit, AT540 4th Range Drum (Use 111564)	1	
111560C	Piston Kit, AT545 4th Range Drum (Use 111564C)	1	
111562	Piston Kit, AT540/AT545 2nd Range Clutch (Use 111565)	1	
111564	Piston Kit, AT540 Forward Drum (.680" thick) (Also Fits AT540 4th Range Drum)	1-2	
111564C	Piston Kit, AT545 Forward Drum (.730" thick) (Also Fits AT545 4th Range Drum)	1-2	
111565	Piston Kit, AT540/AT545 3rd Range Clutch (Also Fits 2nd Range Clutch)	1-2	
111567	Piston Kit, AT540/AT545 1st Range Clutch	1	
111570	Hub, AT540/AT545 4th Range Clutch (Use 34575)	1	
111574	Hub, AT540/AT545 Forward Clutch (Use 34574E)	1	
34574E	Clutch Hub, AT540/AT545 Forward Clutch	1	29506145
111574A	Clutch Hub, AT545 Forward Clutch (2.113" Overall Height)(1.150"ID Of Hub)	1	
34575	Hub, AT540/AT545 4th Range Clutch	1	
111580	Planet, AT540/AT545 Center Planet (4 Gear) (Straight Teeth)	1	6831676
111582	Planet, AT540/AT545 Front Planet (4 Gear) (Straight Teeth)	1	23046074
111584	Planet, AT540 Rear (4 Gear, No Groove) Can Use 111584C	1	6837719
111584C	Planet, AT545 Rear (4 Gear, 1 Groove) Can Use 111584	1	
111590	Ring Gear, AT540/AT545 Center Planet (54 Teeth)	1	
111592	Ring Gear, AT540/AT545 Front Planet (54 Teeth)	1	
111594	Ring Gear, AT540/AT545 Rear Planet (Straight Teeth)	1	
111610	Sun Gear, AT540/AT545 Center (22 Teeth) (1.963" Long)	1	29506150
111612	Sun Gear, AT540 Front Planet (26 Teeth, No Groove) Can Use 111612C	1	6835732
111612C	Sun Gear, AT545 Front Planet (26 Teeth, 1 Groove) Can Use 111612	1	29506151
111614	Sun Gear, AT540/AT545 Rear (22 Teeth) 2.142" Long (Straight Teeth)	1	29506149
111626	Connecting Drum,AT540/AT545 Center Planet To Rear Planet	1	
111630	Center Support, AT540/AT545 (Aluminum) (1.404"ID Of Bushing)	1	
111630A	Center Support, AT540/AT545 (Aluminum) (1.378"ID Of Bushing)	1	
111630B	Center Support, AT540/AT545 (Aluminum) (1.460"ID Of Bushing)	1	29525518
111670	Shaft, AT540/AT545 Input (9 1/4" Long, 1 Ring)	1	29525516
111672	Shaft, AT540/AT545 Main (10 5/8" Long)	1	29524363
111674	Shaft, AT540/AT545 Sun Gear (5.475" Long)(1.402"OD Bushing Land)(1.350"OD Front Splines)	1	29506158
111674AA	Shaft, AT540/AT545 Sun Gear (5.475"Long)(1.402"OD Bushing Land)(1.398"OD Front Splines)	1	
111678A	Shaft, AT540/AT545 Output Shaft (9 1/2" Long) (Bolt-On Yoke Type)	1	
111680	Governor Assembly, AT540/AT545 (ID # 460)	1	6881466
111680A	Governor Assembly, AT540/AT545 (ID # 461)	1	6885570
111680B	Governor Assembly, AT540/AT545 (ID # 462)	1	6885571
111681-5	Roll Pin, AT540/AT545 Holds Governor Drive Gear To Output Shaft	1	
111683	Gear, AT540/AT545 Governor (Drive) (12 Teeth) (1 Notch) (Steel)	1	29503064
34684B	Gear, AT540/AT545 Left Angled (With 1 Pin & 2 Nails)	1	
111686	Cover, AT540/AT545 Governor	1	
111704	Gear, AT540/AT545 PTO Ring	1	
111740A	Valve Body, AT540/AT545	1	
111757	Cover, AT540/AT545 PTO (6 Bolt)	1	

111760A	Case, AT540 (W/PTO Cover) (Cast # 6839580) Can Use 111760C	1	
111760C	Case, AT545 (W/PTO Cover) (Cast # 1950074) Can Use 111760A	1	
111765A	Pan, AT540 Bottom (W/1 Screw In Dipstick Hole)	1	
111765C	Pan, AT545 Bottom (W/2 Screw In Dipstick Holes)	1	
111774A	Speed-O Housing, AT540 (W/20 Teeth Gear) 3 1/4” Long (Screw-In)	1	
111777K	Bolt Set, AT540 Pump Body To Stator (Front) 6 Pieces	1	
111777AK	Bolt Set, AT540/AT545 Stator To Case (9 Pieces)	1	
111778K	Bolt Set, AT540 Stator To Pump Body (Rear) (5 Pieces)	1	
111779K	Bolt Set, AT540/AT545 Bottom Pan To Case (21 Per Set)	1	
111782AK	Bolt Set, AT540 Valve Body To Case (19 Pieces)	1	
111782CK	Bolt Set, AT545 Valve Body To Case (19 Pieces)	1	
111783	Bolt, AT540/AT545 Center Support	1	
111798	Bolt, AT540/AT545 Output Flange (3/4” Head) 1/2” x 20 Fine Thread	1	
111841	Yoke AT540/AT545 Output Shaft (4 Bolt, 6” Long)	1	
44843A	Bracket, AT540/AT545 Modulator	1	6661285
111846C	Bracket, AT545 Filter To Valve Body	1	
111847A	Gear, AT540 Speed-O Drive (5 Teeth) (Steel)	1	
111847C	Reluctor, AT545 Drive Speed-O (16 Teeth)	1	29513278
111862	Snap Ring, AT540 4th Range Piston Retainer (Use 34877)	1	
111862C	Snap Ring, AT545 4th Range Piston Retainer (Use 111877C)	1	
111874	Snap Ring, AT540/AT545 Holds 2nd Range Retainer In Case (Use 111878)	1	
111876	Snap Ring, AT540/AT545 Forward & 4th Range Clutch (Use 34878)	2	
34877	Snap Ring, AT540 Forward Piston Retainer (Also Fits AT540 4th Range Piston Retainer)	1-2	8623105
111877C	Snap Ring, AT545 Forward Piston Retainer (Also Fits AT545 4th Range Piston Retainer)	1-2	8684730
34878	Snap Ring, AT540/AT545 Forward & 4th Range Clutch	2	8623112
111878	Snap Ring, AT540/AT545 Holds 3rd Range Clutch Pressure Plate In (Also Fits AT540/AT545 Center Support (Both Sides)	1-3	
111879	Snap Ring, AT540/AT545 Holds 3rd Range Retainer In Case (Use 111878)	1	
111882	Snap Ring, AT540/AT545 Holds Front Ring Gear To Center Planet & Holds Rear Planet To Connecting Drum)	2	
111888	Snap Ring, AT540/AT545 Holds Rear Sun Gear To Center Ring Gear	1	
111889	Snap Ring, AT540/AT545 Holds Rear Sun Gear To Main Shaft (Spiral)	1	
111892	Snap Ring, AT540/AT545 Holds 1st Range Clutch Pressure Plate In Case	1	
111893	Snap Ring, AT540/AT545 Holds 1st Range Piston Retainer In Case	1	
111894	Snap Ring, AT540/AT545 Holds Rear Planet To Output Shaft	1	
111896	Snap Ring, AT540/AT545 Stop For Rear Case Bearing (Stays In Case)	1	6831704
111897	Snap Ring, AT540/AT545 Holds Rear Output Bearing In Case	1	9418788
111898	Snap Ring, AT540/AT545 Holds PTO Gear To Forward Drum	1	6831639
111960	Piston, AT540 4th Range Drum (.680” Thick) (Use 111964)	1	
111960C	Piston, AT545 4th Range Drum (.730” Thick) (Use 111964C)	1	
111962	Piston, AT540/AT545 2nd Range Clutch (Use 111965)	1	
111964	Piston, AT540 Forward Clutch (4 Ears)(Cast # 68316321) (Also Fits AT540 4th Range Clutch)	1-2	
111964B	Piston, AT545 Forward Clutch (No Ears) (Cast # 29505882) (Also Fits AT545 4th Range Clutch)	1-2	
111964C	Piston, AT545 Forward Clutch (No Ears)(Cast # 6884280) (Also Fits AT545 4th Range Clutch)	1-2	
111965	Piston, AT540/AT545 3rd Range Clutch (Aluminum) Cast # 6834817(Also Fits AT540/AT545 2nd Range Clutch)	1-2	6834817
111967	Piston, AT540/AT545 1st Range Clutch (Cast # 6834816)	1	
111970	Springs, AT540/AT545 4th Range Clutch Return (Use 34974)	16	
111972	Springs, AT540/AT545 2nd Range Clutch Return (Use 111975)	12	
34974	Springs, AT540/AT545 Forward Clutch Return And 4th Range Clutch	16-32	8624101
111975K	Spring Set, AT540/AT545 3rd Range Clutch Return (12 Pieces) (Also Fits AT540/AT545 2nd Range Clutch Return)	12-24	
111977K	Spring Set, AT540/AT545 1st Range Clutch Return (22 Pieces)	22	
111980	Retainer, AT540/AT545 4th Range Clutch Spring (Use 34984)	1	
111982	Retainer, AT540/AT5452nd Range Clutch Spring (Use 111985)	1	
34984	Retainer, AT540/AT545 Forward Clutch Spring (Also Fits 4th Range Clutch Spring Retainer)	1-2	8623104
111985	Retainer, AT540/AT545 3rd Range Clutch Spring (Also Fits AT540/AT545 2nd Range Clutch Spring Retainer)	1-2	
111985-5K	Lock Ring Set, AT540/AT545 3rd Range Spring Retainer (4 Pieces) (Also Fits AT540/AT545 2nd Range Spring Retainer)	4-8	
111987	Retainer, AT540/AT545 1st Clutch Spring	1	
111991	Linkage Assembly, AT540/AT545 Internal	1	
111996	Cooler Fitting, AT540/AT545 (Elbow, Screw-In)	2	
111999A	Tube Set, AT540	1	
111999C	Tube Set, AT545	1	