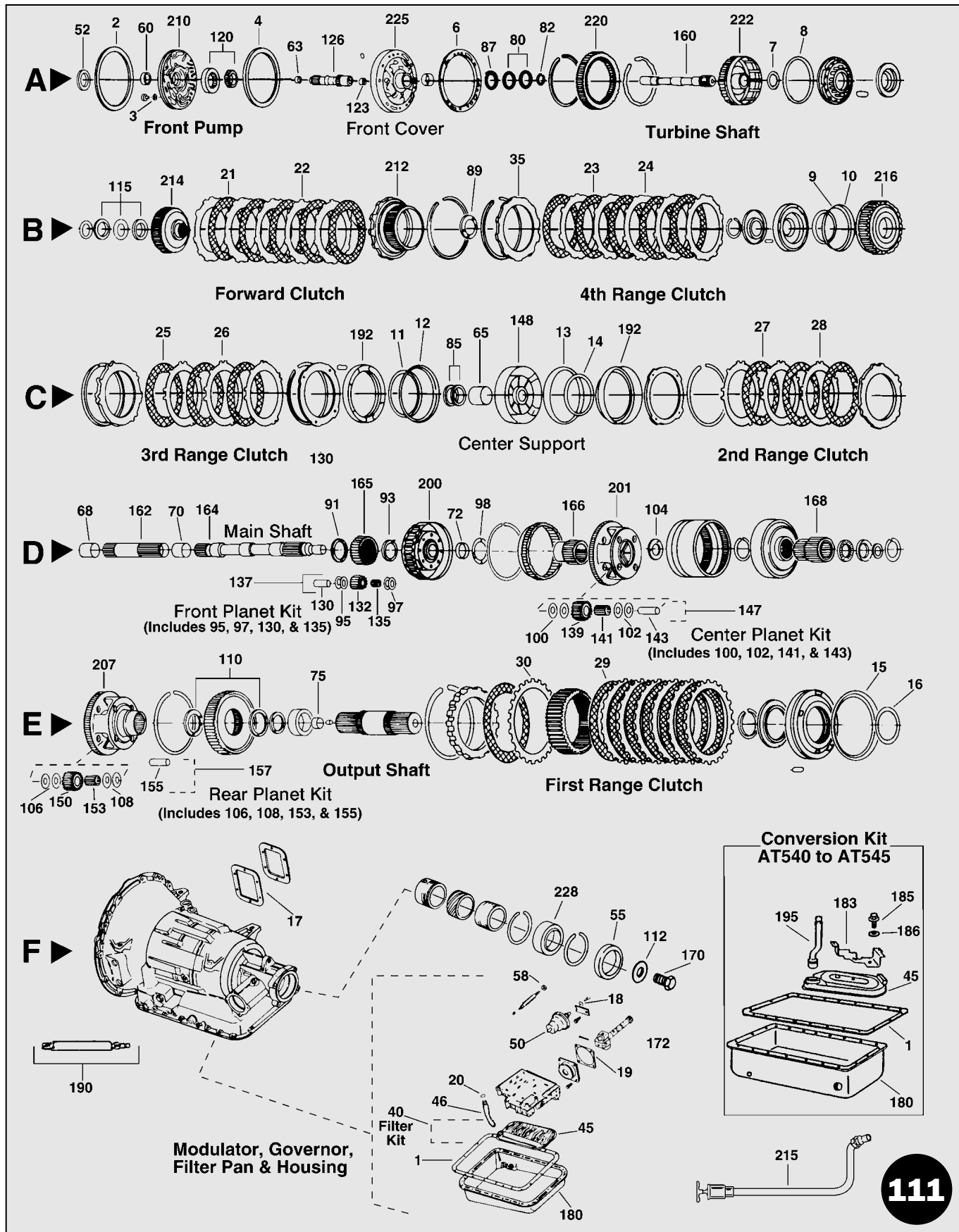


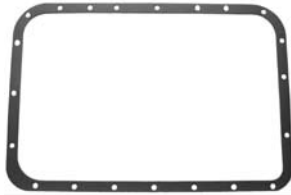
ALLISON AT540, 543, 545

To Get The Correct Parts, You Must Provide The Assembly Number Found On The Transmission Name Plate.

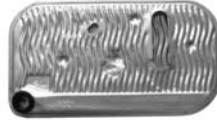


ALLISON AT540, 543, 545

NOTE: Early AT540/545 parts up to serial number 3210775436.
Late AT545 parts from serial number 3210775437.

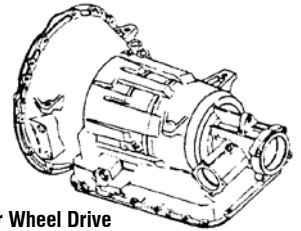


111300



111010B

Allison Transmissions
AT540, 543, 545



Rear Wheel Drive

ILL.	DESCRIPTION	QTY.	YEAR	PART NO.	REFERENCE NO.
MASTER OVERHAUL KITS (WITH STEELS)					
N.I.	Exc AT543 European (w/ Armstrong® Gasket)	1	70-Up	111006A	K1100
N.I.	AT543 European	1	70-Up	111006B	K1100A
LESS STEEL KITS					
N.I.	Exc AT543 European (w/ Armstrong® Gasket)	1	70-Up	111004A	K1100-LS
N.I.	AT543 European	1	70-Up	111004B	K1100A-LS
OVERHAUL KITS (W/ RINGS & SEALS)					
N.I.	Exc AT543 European (w/ Cork Gasket)	1	70-Up	111002	K11900
N.I.	Exc AT543 European (w/ Armstrong® Gasket)	1	70-Up	111002A	K11900W
N.I.	AT543 European	1	70-Up	111002B	K11900A
FILTER KITS					
40F	Filter Kit (Metal Screen) Cork	1	70-Up	111011B	FK11800
40F	Filter Kit (Treated Paper) Cork	1	70-Up	111011D	FK11800A
40F	Filter Kit (Treated Paper) Armstrong®	1	70-Up	111011E	FK11800AW
40F	Filter Kit (Metal Screen) Armstrong®	1	70-Up	111011C	FK11800W
40F	Filter Kit (Brass Screen) Late AT Deep Pan	1	70-Up	111011	FK34661SW
FILTERS					
45F	Filter (Metal Screen)	1	70-Up	111010B	11800
45F	Filter (Treated Paper)	1	70-Up	111010D	11800A
45F	Filter (545 Update) (Use with 111495B Tube)	1	70-Up	101010	21800
45F	Filter (Brass Screen)	1	70-Up	34010B	34661S
N.I.	External Spin on Cartridge (One Quart)	1	70-Up	111013	PF-897
N.I.	Governor Tube Screen	1	70-Up	111014	11712
BUSHINGS					
N.I.	Bushing Kit (7 Bushings) AT540/Early 545	1	70-Up	111030	K11902
N.I.	Bushing Kit (7 Bushings) Late 545	1	70-Up	111030A	K11902A
60A	Pump Body (Bronze)	1	70-Up	111034B	11005
60A	Pump Body - Babbitt - Updated Version	1	70-Up	44034	8005
63A	Stator (Front) 1.120" OD	1	70-Up	34037	34002
68D	Sun Gear (Front & Rear) 1.120" OD (up to S# 3210775437)	2	70-Up	34037	34002
68D	Sun Gear (Front & Rear) 1.190" OD (S# 3210775438 & Up)	2	70-Up	111037	11007
65C	Center Support (1.540" OD)	1	70-Up	111044	11000
65C	Center Support (1.600 O.D)	1	70-Up	111044A	11000A
72D	Front Planet	1	70-Up	111053	11001
75E	Output Shaft .775" OD (up to S# 3210775437)	1	70-Up	111062	11002
75E	Output Shaft .815" OD (S# 3210775438 & Up)	1	70-Up	111062A	11002A
METAL CLAD SEALS					
52A	Front Pump (Silicone)	1	70-Up	44070B	38151A
52A	Front Pump (Vamac Material)	1	70-Up	44070	38151V
58F	Selector Shaft	1	70-Up	44072	38511
N.I.	Extension Housing	1	70-Up	121074	11850

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ALLISON

AT540, 543, 545

To Get The Correct Parts, You Must Provide The Assembly Number Found On The Transmission Name Plate.

ILL.	DESCRIPTION	QTY.	YEAR	PART NO.	REFERENCE NO.
FRICITION PLATES					
23B	4th Range	5	70-Up	111104	11103
21B	Forward	5	70-Up	111104	11103
27C	2nd Range	3	70-Up	111106	11104
25C	3rd Range	3	70-Up	111106	11104
29E	1st Range	7	70-Up	111108	11106
STEEL PLATES					
28C	2nd Range	3	70-Up	111126	11105
26C	3rd Range	3	70-Up	111126	11105
24B	4th Range	10	70-Up	34126A	34305C
142	4th Range (Backing Plate)	1	70-Up	111142	11763
22B	Forward	10	70-Up	34126A	34305C
N.I.	Forward (Waved)	1	70-Up	111129	11875
30E	1st Range	7	70-Up	111128	11107
MODULATORS					
50F	Modulator (Large Can)	1	70-Up	111160A	11820
50F	Modulator (Small Can)	1	70-Up	111160	11820A
SEALING RINGS					
N.I.	Ring Kit.....	1	70-Up	111175	K11901
82A	Turbine Shaft.....	1	70-Up	111178	11301
80A	Pump.....	2	70-Up	111179	11302
85C	Center Support.....	2	70-Up	111179	11302
THRUST WASHERS & BEARINGS					
N.I.	Washer, Drain Plug (Metal)	1	70-Up	111202	11423
N.I.	Washer, Drain Plug (Coated).....	1	70-Up	111202A	11423B
N.I.	Bearing / Race Kit	1	70-Up	101203K	11500BK
87A	Roller Bearing, Ground Sleeve	1	70-Up	101211	11221
87A	Washer, Front Pump (.056"-.060") # 0.....	AR	70-Up	111211A	11407
87A	Washer, Front Cover (.089"-.093") # 2.....	AR	70-Up	111211C	11407B
87A	Washer, Front Cover (.105"-.109") # 3.....	AR	70-Up	111211D	11407C
87A	Washer, Front Cover (.121"-.125") # 4.....	AR	70-Up	111211E	11407D
87A	Washer, Front Cover (.138"-.142") # 5.....	AR	70-Up	111211F	11407E
N.I.	Spacer, Turbine, .015" Gold (AT543).....	AR	70-Up	111212	11403
N.I.	Spacer, Turbine, .030" Silver (AT543)	AR	70-Up	111212A	11403A
N.I.	Spacer, Turbine, .042" Plain (AT543)	AR	70-Up	111212B	11403B
N.I.	Spacer, Turbine, .060" Black (AT543)	AR	70-Up	111212C	11403C
N.I.	Spacer, Turbine, .075" Copper (AT543).....	AR	70-Up	111212D	11403D
115B	Bearing Package, Forward Hub, Front (3 Piece)	1	70-Up	111231K	11503BK
89B	Washer, Fourth Clutch Driving Hub	1	70-Up	34235	34301
N.I.	Washer, Front Planetary, Rear Carrier	1	70-Up	111238	11415
91D	Washer, Front Sun Gear, Front (up to S# 3210775436)	1	70-Up	111241	11411
91D	Washer, Front Sun Gear, Front (S# 3210775437 & Up)	1	70-Up	111241A	11411A
93D	Washer, Front Sun Gear, Rear, .064-.068", Color Code Red	AR	70-Up	111242	11412
104D	Washer, Center Planetary, Rear Carrier (up to S# 3210775436)	1	70-Up	111250C	11418
104D	Washer, Center Planetary, Rear Carrier (S# 3210775437 & Up)	1	70-Up	111244	11418A
100D	Washer, Center Planetary, Bronze Pinion	8	70-Up	111250A	11416
102D	Washer, Center Planetary, Steel Pinion	8	70-Up	111250B	11417
100D	Washer, Rear Planetary, Bronze Pinion.....	8	70-Up	111250A	11416
102D	Washer, Rear Planetary, Steel Pinion.....	8	70-Up	111250B	11417
N.I.	Bearing, Rear Output to Case.....	1	70-Up	111263	N/A
N.I.	Bearing, Output (up to S# 3210775436).....	1	70-Up	111268	11925
N.I.	Bearing, Output (S# 3210775437 & Up).....	1	70-Up	111268A	11925A
N.I.	Roller Bearing, Converter Stator, 543.....	1	70-Up	111299A	11404

To Get The Correct Parts, You Must Provide The Assembly Number Found On The Transmission Name Plate.

ILL.	DESCRIPTION	QTY.	YEAR	PART NO.	REFERENCE NO.
GASKETS & O-RINGS					
1F	Gasket, Bottom Pan (Armstrong®).....	1	70-Up	111300A	13540W
1F	Gasket, Bottom Pan (Cork)	1	70-Up	111300	13540X
19F	Gasket, Governor Cover	1	70-Up	34306	3914D
19F	Gasket, Governor Cover (Armstrong®)	1	70-Up	111306	3914LW
3A	Seal / Washer, Front Pump Body Bolt.....	9	70-Up	44309	13268A
6A	Gasket, Pump to Case.....	1	70-Up	111310	13153
2A	Lathe Cut O-Ring, Pump Body.....	1	70-Up	111311	13151
2A	Lathe Cut O-Ring, Pump Body (GM 350 Style).....	1	70-Up	44311	3877L
4A	Lathe Cut Seal, Front Pump Support.....	1	70-Up	111311	13152
17F	Gasket, Power Take Off Cover (Update) Armstrong®	1	70-Up	111319	13158W
17F	Gasket, Power Take Off Cover.....	1	70-Up	111319	13158W
N.I.	Gasket, Converter Pump Hub (AT543 w/ Bolt On Hub).....	1	70-Up	111323	13150W
20F	O-Ring, Oil Filter.....	1	70-Up	12368A	3547L
N.I.	Front Pump Re-Seal Kit (pump gasket, lathe-cut seal, O-ring and bolt washers)	1	70-Up	111390	K11900-2
TECHNICAL MANUALS					
N.I.	Service Manual	1	70-Up	111400M	N/A
N.I.	Parts Catalog	1	70-Up	111400P	N/A
ELECTRICAL COMPONENTS					
N.I.	Switch, Reverse Signal / Backup Light (AS36-033).....	1	70-Up	111414	11610
N.I.	Tube & Dip Stick Assembly (Universal)	1	70-Up	111494U	11999U
195F	Tube, Oil Filter (AT545 Update, use w/ 101010 Filter).....	1	70-Up	111495B	21225A
HARD PARTS					
Prefix Key: D = OEM, A = Aftermarket New, R = Remanufactured					
PUMPS					
210A	Pump Body & Gears (Universal)	1	70-Up	A34510	34200CN
210A	Pump Body & Gears (AT540) Body Cast #895.....	1	70-Up	111510	34200C
210A	Pump Body & Gears (AT545) Body Cast #919.....	1	70-Up	111510A	34200D
225A	Support, Front Pump (6 Bolt) (AT540) Body Cast #895	1	70-Up	111520	11921
225A	Support, Front Pump (7 Bolt) (AT545) Body Cast #919	1	70-Up	111520A	11921B
120A	Gear Kit, Front Pump .727" Thick	1	70-Up	111530	K11201
120A	Gear Kit, Front Pump (Oversized).....	1	70-Up	111530-OS	K11201B
DRUMS & CLUTCH HUBS					
216B	Housing, 4th Clutch (up to serial # 3210775436)	1	70-Up	111553	11769
216B	Housing, 4th Clutch (from serial # 3210775437).....	1	70-Up	111553A	11769A
222A	Housing, Forward Clutch (w/o Turbine Shaft) (up to serial # 3210775436)	1	70-Up	111554	11298
222A	Housing, Forward Clutch (w/ Turbine Shaft) (serial # 3210775437 & Up)	1	70-Up	111554A	11298B
214B	Hub, Forward Clutch (up to serial # 3210775436).....	1	70-Up	111574	11634
214B	Hub, Forward Clutch (from serial # 3210775437).....	1	70-Up	111574A	11634A
212B	Hub, 4th Clutch (up to serial # 3210775436).....	1	70-Up	111578	11732
212B	Hub, 4th Clutch (from serial # 3210775437)	1	70-Up	111578A	11732A
PLANETS					
201D	Center Planet	1	70-Up	111580	11676
200D	Front Planet.....	1	70-Up	111582	11768
207E	Rear Planet	1	70-Up	111584	11719
147D	Kit - Center Planetary Repair.....	4	70-Up	111584-7K	K11216
137D	Kit - Front Planetary Repair.....	1	70-Up	111582-7	K11215
157E	Kit - Rear Planetary Repair	1	70-Up	111584-7K	K11216
135D	Needle Roller - Center Planetary	76	70-Up	111584-4	11920
141D	Needle Roller - Front Planetary	80	70-Up	111582-4	11919

AT540

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AT540, 543, 545

To Get The Correct Parts, You Must Provide The Assembly Number Found On The Transmission Name Plate.

ILL.	DESCRIPTION	QTY.	YEAR	PART NO.	REFERENCE NO.
PLANETS (Cont.)					
153E	Needle Roller - Rear Planetary	76	70-Up	111584-4	11920
143D	Pin - Center Planetary	4	70-Up	111584-3	11216
130D	Pin - Front Planetary.....	4	70-Up	111582-3	11215
155E	Pin - Rear Planetary	4	70-Up	111584-3	11216
95D	Washer - Front Planetary - Bronze - Pinion Gear	8	70-Up	111582-1A	11413
97D	Washer - Front Planetary - Steel - Pinion.....	8	70-Up	111582-1B	11414
SUN GEARS, SHELLS & SUPPORTS					
166D	Sun Gear, Center (up to S# 3210775436).....	1	70-Up	111610	11227
166D	Sun Gear, Center (S# 3210775437 & Up).....	1	70-Up	111610B	11227B
165D	Sun Gear, Front (Up to S# 3210775436).....	1	70-Up	111612	11232
165D	Sun Gear, Front (S# 3210775437 & Up).....	1	70-Up	111612A	11232A
168D	Sun Gear, Rear (Up to S# 3210775436).....	1	70-Up	111614	11228
168D	Sun Gear, Rear (S# 3210775437 & Up).....	1	70-Up	111614A	11228A
148C	Center Support (up to S# 3210775436).....	1	70-Up	111630	11229
148C	Center Support (S# 3210775437 & Up).....	1	70-Up	111630A	11229A
SHAFTS					
164D	Shaft, Main 1.000" Journal (up to S# 3210775436).....	1	70-Up	111672	11226
164D	Shaft, Main 1.060" Journal (up to S# 3210775437.).....	1	70-Up	111672C	11226A
164D	Shaft, Main - Reinforced - 1.060 Journal - Late (S# 3210775437 & Up).....	1	70-Up	111672A	11226B
160A	Turbine Shaft (Up to S# 3210775436).....	1	70-Up	111673	11939
160A	Turbine Shaft (From S# 3210775437).....	1	70-Up	111673B	11939B
162D	Shaft, Sun Gear (Up to S# 3210775436).....	1	70-Up	111674	11225
162D	Shaft, Sun Gear (From S# 3210775437).....	1	70-Up	111674A	11225A
GOVERNORS					
172F	Governor (Code # 460) 3600-3800 RPM Range.....	1	70-Up	111680	11410
172F	Governor (Code # 461) Up to 2800 RPM Range.....	1	70-Up	111680A	11410A
172F	Governor (Code # 462) 3000-3400 RPM Range.....	1	70-Up	111680B	11410B
N.I.	Gear, Governor Gear Kit.....	1	70-Up	34684B	K34411A
MISCELLANEOUS COMPONENTS					
170F	Bolt, Output Flange (23014159)	1	70-Up	111790	11222
N.I.	Bolt, Pan	21	70-Up	111779	96-175A
N.I.	Bolt, Torque Converter (1261968).....	3-6	70-Up	M464GE	96-178
N.I.	Bolt, Use w/ Update Bracket (For Conversion Kit 540 to 545).....	1	70-Up	111794	11548
N.I.	Bracket, Updated (For Conversion Kit 540 To 545).....	1	70-Up	111794B	11546
N.I.	Check Ball (1/4").....	1	70-Up	A76741A-5	13924
N.I.	Check Ball (5/16").....	1	70-Up	76741-5	13924A
N.I.	Drain Plug (Oil Pan).....	1	70-Up	111483	DP-789
N.I.	Gear, P.T.O.	1	70-Up	111825	11145
190F	Kit, Manual Selector Shaft	1	70-Up	101991	K11235
N.I.	Lock Nut, Second Clutch Spring Retainer (Push On)	4	70-Up	111799	11213
N.I.	Lock Nut, Third Clutch Spring Retainer (Push On)	4	70-Up	111799	11213
N.I.	Nut, Flex Disc (AT543)	6	70-Up	101795C	21214
N.I.	Strip Lock - Converter Pump Hub - 543.....	4	70-Up	101088A	11212
180F	Oil Pan, Deep (Even Threaded Inlets)	1	70-Up	111765	11545A
180F	Oil Pan, Deep (Offset Threaded Inlets).....	1	70-Up	111765A	11545
192C	Piston, Center Support.....	2	70-Up	111962	11817
N.I.	Plug, Cooling Line Ports (Pkg of 100).....	1	70-Up	M479-1	PL1
N.I.	Plug, Speedo Bore (Pkg of 100).....	1	70-Up	M479-2	PL2
N.I.	Plug, Modulator Bore (Pkg of 100).....	1	70-Up	M479-5	PL5
N.I.	Sleeve, Center Support Repair (Early).....	1	70-Up	191695A	DF636B

ALLISON AT540, 543, 545

To Get The Correct Parts, You Must Provide The Assembly Number Found On The Transmission Name Plate.

ILL.	DESCRIPTION	QTY.	YEAR	PART NO.	REFERENCE NO.
MISCELLANEOUS COMPONENTS (Cont.)					
126A	Sleeve, Ground (Finished I.D. Bearing Inst.)	1	70-Up	111695AK	11202
N.I.	Washer, Center Support Bolt.....	1	70-Up	111783W	11422
112F	Washer, Output Flange Bolt.....	1	70-Up	111790W	11421
N.I.	Washer, Use w/ Update Bracket (For Conversion Kit 540 to 545).....	1	70-Up	111794W	11547
Tool	Governor Sleeve Only - Aluminum (Aluminum Case).....	1	70-Up	T-119A	T-119A
Tool	Governor Sleeve Only - Bronze (Cast Iron Case)	1	70-Up	T-119B	T-119B
Tool	Governor Bore Tool (w/ 2 Sleeves)	1	70-Up	T-9119	T-9119
Tool	Conversion Kit (Deep Pan) AT540 to AT545	1	70-Up	UDK-545	UDK-545

GOVERNOR APPLICATION CHART

TRANSMISSION	CODE ON GOVERNOR	USE GOVERNOR NO.
AT 500 SERIES		
Up to and including - 2800 RPM Range	461	111680A
3000 - 3400 RPM Range	462	111680B
Gas Engine - 3600 - 3800 RPM Range	460	111680
AT643		
2200 - 2600 RPM Range	461	111680A
3000 - 3400 RPM Range	463	101680
MT653		
2400 - 2600 RPM Range	462	111680B
2800 RPM Range.....	463	101680
3000 RPM Range.....	465	101680A
3200 - 3800 RPM Range - Bronze Gear	738	101680B
3600 - 3800 RPM Range - Bronze Gear	739	101680C
Caterpillar Engine w/Blower - 2600 RPM Range.....	-	101680B
Caterpillar Engine w/o Blower - 2800 RPM Range.....	-	101680C

NOTES

AT540