



ALTO PRODUCTS CORP.

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HEAVY DUTY FRICTION MATERIAL & TRANSMISSION PARTS

Truck • Bus • Construction • Earth Moving • Agricultural • Material Handling

ALTO HEAVY DUTY CATALOG

ALLIS CHALMERS

REF# and Description	ALTO #	Part Type	MM (ODxDxThk)	INCH (ODxDxThk)
1004876 FRICTION CLUTCH 52 INT	023712BR260	Friction Clutch	148.50 x 107.72 x 2.62	5.850 x 4.241 x .103
1018224 FRICTION BRONZE 45 INT	049700BR	Friction Clutch	128.60 x 92.79 x 1.55	5.063 x 3.653 x .061
1018238 FRICTION BRONZE 59 INT	023738BR	Friction Clutch	190.61 x 147.17 x 2.92	7.504 x 5.794 x .115
1018239 STEEL 3 EXT	023739	Steel Clutch	214.83 x 155.58 x 1.75	8.458 x 6.125 x .069
11018222 SEL STEEL (Selective Thickness) 54 EXT	023701-140	Steel Clutch	138.99 x 99.01 x 1.40	5.472 x 3.898 x .055
11018222 STEEL 54 EXT	023701	Steel Clutch	138.99 x 99.01 x 1.73	5.472 x 3.898 x .068
4913971 STEEL 54 EXT	023701-300	Steel Clutch	138.99 x 99.01 x 3.01	5.472 x 3.898 x .119
4913985 FRICTION HEG PLI 45 INT	049720-200	Friction Clutch	133.35 x 92.79 x 2.08	5.250 x 3.653 x .082
4917871 STEEL (MATES WITH 053702) 12 EXT	053703	Steel Clutch	156.03 x 119.13 x 1.80	6.143 x 4.690 x .071
4917873 FRICTION (PAPER FACE VERSION) TAN PL 24 INT	053702	Friction Clutch	142.98 x 110.08 x 1.55	5.629 x 4.334 x .061
4917896 FRICTION (PAPER FACE VERSION) HEG SMOOTH 34 INT	053700	Friction Clutch	99.85 x 68.17 x 1.55	3.931 x 2.684 x .061
70256524 FRICTION PTO BRONZE (8 PER UNIT) 28 INT	302702BR	Friction Clutch	152.32 x 85.85 x 3.05	5.997 x 3.380 x .120
70261212 FRICTION BRONZE 32 INT	302704BR	Friction Clutch	177.57 x 99.49 x 3.05	6.991 x 3.917 x .120
70265486 STEEL PTO 3 EXT	302703	Steel Clutch	176.83 x 97.59 x 1.91	6.962 x 3.842 x .075
70265487 WAVE SPRING	302767	Steel Clutch	164.72 x 156.82 x .76	6.485 x 6.174 x .030
73047703 FRICTION HEGHD 57 INT	317720-390	Friction Clutch	303.80 x 235.20 x 3.90	11.950 x 9.250 x .153
73077153 FRICTION HEGHD 57 INT	317720-390	Friction Clutch	303.80 x 235.20 x 3.90	11.950 x 9.250 x .153
9502757 STEEL 60 EXT	023719	Steel Clutch	154.10 x 114.05 x 1.73	6.067 x 4.490 x .068

ALLISON - OTHER CLUTCHES

REF# and Description	ALTO #	Part Type	MM (ODxDxThk)	INCH (ODxDxThk)
23010438 FRICTION HEG PLI 72 INT	352702-520	Friction Clutch	371.68 x 302.74 x 5.18	14.633 x 11.919 x .204
51004697 FRICTION FORWARD CLUTCH PLATE (LESS DAMPER ASSEMBLY) Fits Applications 511HP up to 600HP	352720-540	Friction Clutch	363.80 x 180.98 x 5.38	14.323 x 7.125 x .212
5101603 FRICTION FORWARD CLUTCH PLATE (LESS DAMPER ASSEMBLY) Fits Applications up to 510HP	352720-540	Friction Clutch	363.80 x 180.98 x 5.38	14.323 x 7.125 x .212
6758737 STEEL CLBT-4460 8 EXT	179763-500	Steel Clutch	311.15 X 234.95 X 5.05	12.25 X 9.25 X .199
6770865 STEEL STEPPED - APPLY PRESSURE PLATE 8 EXT	352703	Steel Clutch	257.18 x 175.64 x 7.98	10.125 x 6.915 x .314
6770916 STEEL 8 EXT	352707-500	Steel Clutch	209.55 x 157.48 x 4.97	8.250 x 6.200 x .196
6770917 STEEL Mating plate to 352710-385 Friction 8 EXT	178721	Steel Clutch	209.70 x 157.02 x 2.41	8.256 x 6.182 x .095
6772093 STEEL 8 EXT	352707-755	Steel Clutch	209.55 x 157.48 x 7.54	8.250 x 6.200 x .297
6776092 STEEL 8 EXT	317721-300	Steel Clutch	330.20 x 254.00 x 3.00	12.980 x 9.990 x .118
6830293 FRICTION HEGHD 57 INT	317720-390	Friction Clutch	303.80 x 235.20 x 3.90	11.950 x 9.250 x .153
6830368 FRICTION BRONZE 60 INT	352704-388	Friction Clutch	253.59 x 187.81 x 3.91	9.984 x 7.394 x .154
6830920 FRICTION HEG PLI 72 INT	352702-520	Friction Clutch	371.68 x 302.74 x 5.18	14.633 x 11.919 x .204
6837565 FRICTION BRONZE 60 INT	352704-388	Friction Clutch	253.59 x 187.81 x 3.91	9.984 x 7.394 x .154

ALLISON 5000,6000 Series

REF# and Description	ALTO #	Part Type	MM (ODxDxThk)	INCH (ODxDxThk)
23019152 OVERHAUL KIT	352808	Overhaul Kit		
6769326 STEEL 30 EXT	352711-495	Steel Clutch	386.94 x 322.78 x 4.95	15.234 x 12.708 x .195
6832138 FRICTION BRONZE 89 INT	352700A510	Friction Clutch	433.50 X 371.73 X 5.33	17.067 X 14.635 X .210
6832138 FRICTION BRONZE 89 INT	352700A510	Friction Clutch	433.50 X 371.73 X 5.33	17.067 X 14.635 X .210

ALLISON 8000 Series

REF# and Description	ALTO #	Part Type	MM (ODxDxThk)	INCH (ODxDxThk)
23041615 FRICTION 89 INT	352706-520	Friction Clutch	433.27 x 371.30 x 5.18	17.058 x 14.618 x .204
23041616 FRICTION 72 INT	352702-520	Friction Clutch	371.68 x 302.74 x 5.18	14.633 x 11.919 x .204
23048195 FRICTION BRONZE 89 INT	352700A510	Friction Clutch	433.50 X 371.73 X 5.33	17.067 X 14.635 X .210
29544490 OVERHAUL KIT	352802	Overhaul Kit		
6776610 STEEL 30 EXT	352711-300	Steel Clutch	386.94 x 322.78 x 3.00	15.234 x 12.708 x .118
6777796 STEEL CLBT58, 59, 60 TRANSMISSION CLUTCH 35 EXT	352713-500	Steel Clutch	450.30 x 389.40 x 5.00	17.710 x 15.310 x .197
6779887	TBA	Steel Clutch		

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ALLISON CLT 3340-3461

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
6830950 FRICTION BRONZE Mating plate to 178721 Steel 59 INT	352710-385	Friction Clutch	200.00 x 144.80 x 3.90	7.860 x 5.690 x .153

ALLISON CRT 3321-3630

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
6768446 FRICTION BRONZE 60 INT	352704-388	Friction Clutch	253.59 x 187.81 x 3.91	9.984 x 7.394 x .154
6837690 STEEL (10 Per unit) 6 EXT	352701	Steel Clutch	274.32 x 202.49 x 2.72	10.800 x 7.972 x .107

ALLISON CRT 5633

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
23048511 FRICTION 73 INT	056712	Friction Clutch	371.70 x 302.95 x 5.23	14.634 x 11.927 x .206
6776610 STEEL 30 EXT	352711-300	Steel Clutch	386.94 x 322.78 x 3.00	15.234 x 12.708 x .118
6884505 OVERHAUL KIT	352810	Overhaul Kit		

ALLISON DP - 58,59,60 SERIES

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
23041616 FRICTION HEG PLI 72 INT	352702-520	Friction Clutch	371.68 x 302.74 x 5.18	14.633 x 11.919 x .204
23048195 FRICTION BRONZE 89 INT	352700A510	Friction Clutch	433.50 X 371.73 X 5.33	17.067 X 14.635 X .210
6769326 STEEL 30 EXT	352711-495	Steel Clutch	386.94 x 322.78 x 4.95	15.234 x 12.708 x .195
6776610 FRICTION BRONZE 60 INT	352704-388	Friction Clutch	253.59 x 187.81 x 3.91	9.984 x 7.394 x .154
6777796 STEEL CLBT58, 59, 60 TRANSMISSION CLUTCH 35 EXT	352713-500	Steel Clutch	450.30 x 389.40 x 5.00	17.710 x 15.310 x .197

ALLISON HT 70-CLBT 4460

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
6758737 STEEL CLBT-4460 8 EXT	179763-500	Steel Clutch	311.15 X 234.95 X 5.05	12.25 X 9.25 X .199

ALLISON OVERHAUL KITS

REF# and Description	ALTO #	Part Type	INCH (ODxIDxThk)
23012606 OVERHAUL KIT CLBT 700 SERIES	352800	Overhaul Kit	
23019152 OVERHAUL KIT CLBT 5000 SERIES	352808	Overhaul Kit	
29544490 OVERHAUL KIT CLBT 5000/6000 SERIES	352802	Overhaul Kit	
6838897 OVERHAUL KIT TT2000/3000/4000	352812	Overhaul Kit	
6884505 OVERHAUL KIT CRT-5563 SERIES	352810	Overhaul Kit	

ALLISON TT2000/3000/4000

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
23010122 FRICTION HEG WF (9 Per Unit) 60 INT	352704A388	Friction Clutch	253.52 x 187.71 x 3.91	9.981 x 7.390 x .154
23010123 FRICTION HEGHD 57 INT	317720-390	Friction Clutch	303.80 x 235.20 x 3.90	11.950 x 9.250 x .153
23010871 FRICTION BRONZE HI-RANGE TRANSFER (2 per Unit) 6 INT	352712BR390	Friction Clutch	254.00 X 74.50 X 3.90	10.000 X 2.933 X .154
23017289 STEEL 8 EXT	317721-300	Steel Clutch	330.20 x 254.00 x 3.00	12.980 x 9.990 x .118
6775541 FRICTION BRONZE 60 INT	352704-388	Friction Clutch	253.59 x 187.81 x 3.91	9.984 x 7.394 x .154
6837690 STEEL 6 EXT	352701	Steel Clutch	274.32 x 202.49 x 2.72	10.800 x 7.972 x .107
6838897 OVERHAUL KIT	352812	Overhaul Kit		

BOBCAT

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
6502424 FRICTION (NO TEETH) TAN PLI	179706-327	Friction Clutch	190.50 x 136.91 x 3.25	7.500 x 5.390 x .128
6649871 FRICTION (NO TEETH) TAN PLI	179706-327	Friction Clutch	190.50 x 136.91 x 3.25	7.500 x 5.390 x .128

BORG WARNER MISC PARTS

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
Turbocharger - AD31L-A, AD31P-A, TAMD31L-A, TAMD31M-A, TAMD31P-A	ATK026-1001	Turbocharger	133.35 x 92.79 x 1.55	5.250 x 3.653 x 0.061

BORG WARNER T-22

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
10-08-166-001 STEEL 43 EXT	308703	Steel Clutch	205.49 x 145.42 x 3.53	8.090 x 5.725 x .139
10-08-666-001 FRICTION BRONZE 44 INT	308700A	Friction Clutch	196.60 x 138.20 x 2.79	7.730 x 5.430 x .110

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BORG WARNER T-22

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
10-08-666-004 FRICTION HEG 44 INT	308700	Friction Clutch	197.03 x 138.30 x 2.79	7.757 x 5.445 x .110
10-17-666-001 FRICTION TAN PLI 59 INT	023738	Friction Clutch	190.19 x 146.76 x 2.92	7.488 x 5.778 x .115
1021-166-001 SEL STEEL (Selective Thickness) 54 EXT	023701-140	Steel Clutch	138.99 x 99.01 x 1.40	5.472 x 3.898 x .055
1021-166-001 STEEL 54 EXT	023701-300	Steel Clutch	138.99 x 99.01 x 3.01	5.472 x 3.898 x .119
1021-666-002 FRICTION HEG PLI 45 INT	049720-200	Friction Clutch	133.35 x 92.79 x 2.08	5.250 x 3.653 x .082
1021-666-003 FRICTION HEG PLI 45 INT	049720-200	Friction Clutch	133.35 x 92.79 x 2.08	5.250 x 3.653 x .082
1021-666-005 FRICTION HEG PLI 45 INT	049720-200	Friction Clutch	133.35 x 92.79 x 2.08	5.250 x 3.653 x .082
22-176 STEEL 64 EXT	308701	Steel Clutch	205.59 x 145.47 x 1.65	8.094 x 5.727 x .065
72-A66 STEEL 59 INT	023738BR155	Steel Clutch	190.61 x 147.17 x 1.57	7.504 x 5.794 x 0.062
AT-220-66 FRICTION BRONZE 44 INT	308700A	Friction Clutch	196.60 x 138.20 x 2.79	7.730 x 5.430 x .110
FRICTION HEG PLI 59 INT	023738A	Friction Clutch	190.19 x 146.76 x 2.92	7.488 x 5.778 x .115
W-1597A FRICTION 45 INT	049722	Friction Clutch	133.35 x 92.79 x 1.55	5.250 x 3.653 x 0.061

BRODERSON

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
910700148 FRICTION BRONZE (SMALL) 45 INT	049700BR	Friction Clutch	128.60 x 92.79 x 1.55	5.063 x 3.653 x .061
910700163 FRICTION BRONZE (LARGE) 59 INT	023738BR	Friction Clutch	190.61 x 147.17 x 2.92	7.504 x 5.794 x .115
910700164 STEEL (LARGE) 3 EXT	023739	Steel Clutch	214.83 x 155.58 x 1.75	8.458 x 6.125 x .069
STEEL (SMALL) 54 EXT	023701	Steel Clutch	138.99 x 99.01 x 1.73	5.472 x 3.898 x .068

CARRARO

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
136155 STEEL 64 EXT	303701-500	Steel Clutch	229.87 x 152.40 x 5.00	9.050 x 6.000 x .197
143874 FRICTION 36 INT	303700-490	Friction Clutch	223.01 x 70.86 x 4.90	8.780 x 2.790 x .193

CATERPILLAR

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
230-4017 FRICTION - BRAKE 22 INT	317704-490	Friction Clutch	204.47 x 60.83 x 4.90	8.050 x 2.395 x .193
2H-6936 STEEL 8 INT	308709-230	Friction Clutch	288.21 x 194.56 x 2.29	11.347 x 7.660 x .090
2P-3719 FRICTION 54 INT	308714-290	Friction Clutch	215.80 x 168.50 x 2.90	8.490 x 6.630 x .114
2P-4472 STEEL 5 EXT	308713-640	Steel Clutch	411.50 x 317.50 x 6.40	16.180 x 12.490 x .252
3L-8440 FRICTION BRONZE MG-514 ALL MODELS 12 EXT	332706	Friction Clutch	236.04 x 139.67 x 3.10	9.293 x 5.400 x .122
3P-0805 FRICTION 54 INT	308714-290	Friction Clutch	215.80 x 168.50 x 2.90	8.490 x 6.630 x .114
3P-5955 FRICTION BRONZE 101 Int	308702-500	Friction Clutch	311.20 x 252.50 x 5.00	12.240 x 9.930 x .197
3T-2567 STEEL 43 EXT	308703	Steel Clutch	205.49 x 145.42 x 3.53	8.090 x 5.725 x .139
3T-3400 FRICTION (PAPER) HEG 44 INT	308700	Friction Clutch	197.03 x 138.30 x 2.79	7.757 x 5.445 x .110
3T-9293 FRICTION BRONZE 68 EXT	332702	Friction Clutch	112.14 x 71.30 x 2.16	4.415 x 2.807 x .085
4S-5891 STEEL 64 INT	308725-290	Steel Clutch	268.20 x 199.80 x 2.90	10.550 x 7.860 x .114
5D-8526 STEEL 44 EXT	308723	Steel Clutch	113.67 x 86.06 x .81	4.475 x 3.388 x .032
5K-8617 FRICTION 95 EXT	308728	Steel Clutch	304.80 x 212.90 x 3.80	11.990 x 8.370 x .149
5N-6137 STEEL STEPPED MG-514A, MG-514B LATE & MG-514C 40 INT	332709	Steel Clutch	203.70 x 123.11 x 4.72	7.995 x 4.847 x .186
6I-8912 FRICTION 52 INT PLI	308742-400	Friction Clutch		
6L-9719 STEEL 42 INT	332703	Steel Clutch	101.60 x 64.69 x 1.59	4.000 x 2.547 x .063
6T-5099 FRICTION TAN PL 52 INT	023712-180	Friction Clutch	148.50 x 107.72 x 1.78	5.850 x 4.241 x .070
6T-6277 STEEL 24 EXT	053701	Steel Clutch	107.82 x 76.17 x 1.80	4.245 x 2.999 x .071
6T-6283 FRICTION (PAPER) HEG SMOOTH 34 INT	053700	Friction Clutch	99.850 x 68.17 x 1.55	3.931 x 2.684 x .061
6T-6432 FRICTION (PAPER) TAN PL 24 INT	053702	Friction Clutch	142.98 x 110.08 x 1.55	5.629 x 4.334 x .061
6T-6481 STEEL 12 EXT	053703	Steel Clutch	156.03 x 119.13 x 1.80	6.143 x 4.690 x .071
7D-3014 FRICTION BRAKE 102 INT	329700B520	Friction Clutch	715.01 x 510.54 x 5.16	28.15 x 20.13 x .203
6T-8686 FRICTION 54 INT	308714-290	Friction Clutch	215.80 x 168.50 x 2.90	8.490 x 6.630 x .114
6T-9456 STEEL 60 EXT	023719-310	Steel Clutch	154.10 x 114.05 x 3.10	6.067 x 4.490 x .122
6T-9462 FRICTION HEG WF 52 INT	023722-180	Friction Clutch	148.59 x 101.70 x 1.80	5.850 x 4.240 x .071
6Y-5352 FRICTION 61 INT PLI	308746-500	Friction Clutch		
6Y-5911 FRICTION 75 INT	308716-550	Friction Clutch	345.10 x 271.00 x 5.50	13.570 x 10.660 x .216
6Y-7914 FRICTION 95 EXT	308728	Steel Clutch	304.80 x 212.90 x 3.80	11.990 x 8.370 x .149
6Y-7915 FRICTION 54 INT	308710-280	Friction Clutch	255.60 x 168.40 x 2.80	10.050 x 6.620 x .110
6Y-7916 FRICTION 64 INT	308712-350	Friction Clutch	306.00 x 198.60 x 3.50	12.030 x 7.810 x .138
6Y-7929 FRICTION TAN PLI 45 INT	049700-216	Friction Clutch	133.35 x 92.79 x 2.16	5.250 x 3.653 x .085
6Y-7933 FRICTION TAN PL 52 INT	023712-180	Friction Clutch	148.50 x 107.72 x 1.78	5.850 x 4.241 x .070

ALTO HEAVY DUTY CATALOG

CATERPILLAR

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
6Y-7935 FRICTION 54 INT	308714-290	Friction Clutch	215.80 x 168.50 x 2.90	8.490 x 6.630 x .114
6Y-7950 FRICTION TAN PLI 54 INT	308708-460	Friction Clutch	215.87 x 135.08 x 4.57	8.499 x 5.318 x .180
6Y-7953 FRICTION 74 INT	308740-290	Friction Clutch		
6Y-7962 FRICTION TAN 18 INT	308722	Friction Clutch	105.84 x 43.43 x 2.54	4.167 x 1.710 x .100
6Y-7965 FRICTION 54 INT	308714-290	Friction Clutch	215.80 x 168.50 x 2.90	8.490 x 6.630 x .114
6Y-7981 FRICTION 32 EXT PLI	308744-432	Friction Clutch		
7D-3012 STEEL SPACER 140 EXT	329701A250	Steel Clutch	740.13 x 539.88 x 2.41	29.14 x 21.25 x .095
7D-3013 FRICTION CORK 144 INT	329702B690	Friction Clutch	740.26 x 539.75 x 6.90	29.140 x 21.250 x .272
7D-8434 STEEL 100 EXT	308717-190	Steel Clutch	322.80 x 226.60 x 1.90	12.690 x 8.910 x .075
7G-0437 STEEL 6 EXT	308741-318	Steel Clutch		
7G-5377 STEEL 60 EXT	023719-310	Steel Clutch	154.10 x 114.05 x 3.10	6.067 x 4.490 x .122
7G-8107 FRICTION BRONZE 44 INT	308700A	Friction Clutch	196.60 x 138.20 x 2.79	7.730 x 5.430 x .110
7G-8542 FRICTION TAN PL 45 INT	049702	Friction Clutch	133.35 x 92.79 x 2.03	5.250 x 3.653 x .080
7L-7782 FRICTION BRONZE 76 EXT	332704	Friction Clutch	164.24 x 103.81 x 2.87	6.466 x 4.087 x .113
8D-8794 STEEL 86 EXT	308715-150	Steel Clutch	276.90 x 187.50 x 1.50	10.890 x 7.370 x .059
8E-8832 FRICTION HEG WF 52 INT	023722-180	Friction Clutch	148.59 x 101.70 x 1.80	5.850 x 4.240 x .071
8M-8651 STEEL 5 EXT	308713-640	Steel Clutch	411.50 x 317.50 x 6.40	16.180 x 12.490 x .252
8P-8682 FRICTION 54 INT	308714-290	Friction Clutch	215.80 x 168.50 x 2.90	8.490 x 6.630 x .114
9G-8542 FRICTION TAN PL 45 INT	049702	Friction Clutch	133.35 x 92.79 x 2.03	5.250 x 3.653 x .080
9N-1656 STEEL 172 EXT	179701-266	Steel Clutch	315.61 x 254.00 x 2.67	12.426 x 10.000 x .105
9R-9401 STEEL (1 rounded notch) 1 ROUNDED NOTCH	308729-450	Steel Clutch	238.05 X 126.67 X 4.500	9.372 X 4.987 X .177
9S-8789 STEEL 5 EXT	308713-640	Steel Clutch	411.50 x 317.50 x 6.40	16.180 x 12.490 x .252
9W-1735 FRICTION HEG PLI 45 INT	049720-200	Friction Clutch	133.35 x 92.79 x 2.08	5.250 x 3.653 x .082
9W-1735 FRICTION TAN WF 45 INT	049700-216	Friction Clutch	133.35 x 92.79 x 2.16	5.250 x 3.653 x .085
9W-4954 FRICTION TAN PL 52 INT	023712-295	Friction Clutch	148.50 x 107.72 x 2.95	5.850 x 4.241 x .116
9W-7017 FRICTION 99 INT	329700-520	Friction Clutch	715.01 x 510.54 x 5.16	28.15 x 20.13 x .203
9W-8901 FRICTION TAN PL 52 INT	023712A170	Friction Clutch	148.50 x 107.72 x 1.70	5.850 x 4.241 x .067
9Y-7929 FRICTION HEG PLI 45 INT	049720-200	Friction Clutch	133.35 x 92.79 x 2.08	5.250 x 3.653 x .082

CHAMPION GRADER (GEARCO)

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
11299 STEEL INPUT & REVERSE (52 PER UNIT) 8 EXT	306709-155	Steel Clutch	142.62 x 99.14 x 1.55	5.615 x 3.903 x .061
11300 FRICTION BRONZE 45 INT	049700A150	Friction Clutch	133.35 x 92.79 x 1.50	5.250 x 3.653 x .059
16780N STEEL 16 EXT	307709-340	Steel Clutch	323.30 x 184.3 x 3.40	12.710 x 7.250 x .134
19435 FRICTION BRONZE 34 INT	317712-250	Friction Clutch	198.15 x 140.54 x 2.49	7.801 x 5.533 x .098
28305 FRICTION BRONZE 45 INT	049700BR235	Friction Clutch	133.35 x 92.79 x 2.36	5.250 x 3.653 x .093
28310 FRICTION BRONZE 45 INT	049700BR235	Friction Clutch	133.35 x 92.79 x 2.36	5.250 x 3.653 x .093
37170 FRICTION HEG PLI 53 INT	307704-500	Friction Clutch	342.77 x 220.5 x 5.21	13.495 x 8.681 x .205
37171 STEEL 83 EXT	307705-630	Steel Clutch	355.04 x 238.38 x 6.30	13.978 x 9.385 x .248
37171X STEEL (Thinner for more capacity) 83 EXT	307705-343	Steel Clutch	355.04 x 238.38 x 3.43	13.978 x 9.385 x .135
37934 FRICTION HEG PLI 54 INT	307706-350	Friction Clutch	358.93 x 226.87 x 3.51	14.130 x 8.932 x .138
37935 STEEL 89 EXT	307707-300	Steel Clutch	378.46 x 254.00 x 3.10	14.900 x 10.000 x .122
41112 STEEL OUTPUT (18 PER UNIT) 8 EXT	307703-210	Steel Clutch	180.21 x 129.57 x 2.11	7.095 x 5.101 x .083
48525N FRICTION 35 INT	307708-520	Friction Clutch	279.90 x 117.70 x 5.30	11.010 x 4.630 x .208
49987 STEEL 83 EXT	307705-630	Steel Clutch	355.04 x 238.38 x 6.30	13.978 x 9.385 x .248
49987X STEEL (Thinner for more capacity) 83 EXT	307705-343	Steel Clutch	355.04 x 238.38 x 3.43	13.978 x 9.385 x .135
53951 FRICTION OUTPUT BRONZE (20 PER UNIT) 29 INT	307702-250	Friction Clutch	168.58 x 119.43 x 2.54	6.637 x 4.702 x .100
D72803 STEEL 60 EXT	023719	Steel Clutch	154.10 x 114.05 x 1.73	6.067 x 4.490 x .068
D77576 FRICTION BRONZE 52 INT	023712BR295	Friction Clutch	148.50 x 107.72 x 2.95	5.850 x 4.241 x .116

ALTO HEAVY DUTY CATALOG

CLARK

REF# and Description	ALTO #	Part Type	MM (ODxDxThk)	INCH (ODxDxThk)
208772 FRICTION BRONZE 19 INT	310716	Friction Clutch	165.07 x 74.30 x 3.99	6.499 x 2.925 x .157
209087 STEEL DISH 42 EXT	310703	Steel Clutch	160.63 x 103.30 x 1.50	6.324 x 4.067 x .059
209928 FRICTION BRONZE 19 INT	310716	Friction Clutch	165.07 x 74.30 x 3.99	6.499 x 2.925 x .157
215178 FRICTION BRONZE (5 per unit) 52 INT	023712BR260	Friction Clutch	148.50 x 107.72 x 2.62	5.850 x 4.241 x .103
215296 STEEL 20 EXT	318701	Steel Clutch	191.50 x 117.50 x 2.10	7.530 x 4.620 x .083
216050 FRICTION BRONZE 34 INT	310724	Friction Clutch	205.16 x 117.27 x 3.96	8.077 x 4.617 x .156
216084 FRICTION BRONZE (5 per unit) 52 INT	023712BR260	Friction Clutch	148.50 x 107.72 x 2.62	5.850 x 4.241 x .103
216677 FRICTION BRONZE 19 INT	310716	Friction Clutch	165.07 x 74.30 x 3.99	6.499 x 2.925 x .157
217163 FRICTION BRONZE 60 INT	310704	Friction Clutch	195.20 x 145.11 x 3.96	7.685 x 5.713 x .156
217757 FRICTION BRONZE 60 INT	310704	Friction Clutch	195.20 x 145.11 x 3.96	7.685 x 5.713 x .156
219393 STEEL 42 EXT	310703	Steel Clutch	160.63 x 103.30 x 1.50	6.324 x 4.067 x .059
222391 FRICTION BRONZE 25 INT	310700	Friction Clutch	147.24 x 74.37 x 3.96	5.797 x 2.928 x .156
222605 STEEL 42 EXT	310703	Steel Clutch	160.63 x 103.30 x 1.50	6.324 x 4.067 x .059
224246 STEEL 4 EXT	310701	Steel Clutch	162.03 x 115.93 x 1.70	6.379 x 4.564 x .067
224772 STEEL (5 per unit) 60 EXT	023719	Steel Clutch	154.10 x 114.05 x 1.73	6.067 x 4.490 x .068
227495 FRICTION BRONZE 60 INT	310704	Friction Clutch	195.20 x 145.11 x 3.96	7.685 x 5.713 x .156
228114 FRICTION BRONZE (5 per unit) 52 INT	023712BR260	Friction Clutch	148.50 x 107.72 x 2.62	5.850 x 4.241 x .103
230911 FRICTION BRONZE (5 per unit) 52 INT	023712BR260	Friction Clutch	148.50 x 107.72 x 2.62	5.850 x 4.241 x .103
232285 STEEL 16 EXT	310713	Steel Clutch	257.20 x 190.50 x 2.70	10.110 x 7.490 x .106
232316 FRICTION BRONZE 60 INT	310704	Friction Clutch	195.20 x 145.11 x 3.96	7.685 x 5.713 x .156
232394 STEEL 14 EXT	310715	Steel Clutch	218.97 x 158.93 x 2.73	8.621 x 6.257 x .108
232780 FRICTION GRAPHITIC 60 INT	310718	Friction Clutch	292.40 x 206.80 x 4.00	11.500 x 8.130 x .157
233166 FRICTION BRONZE (5 per unit) 52 INT	023712BR260	Friction Clutch	148.50 x 107.72 x 2.62	5.850 x 4.241 x .103
233166 FRICTION TAN PL 52 INT	023712-260	Friction Clutch	148.50 x 107.72 x 2.59	5.850 x 4.241 x .102
234108 FRICTION RED PL 45 INT	049740-230	Friction Clutch	133.35 x 92.79 x 2.31	5.250 x 3.653 x .091
234336 FRICTION BRONZE 45 INT	049700BR235	Friction Clutch	133.35 x 92.79 x 2.36	5.250 x 3.653 x .093
234727 FRICTION BRONZE (5 per unit) 52 INT	023712BR260	Friction Clutch	148.50 x 107.72 x 2.62	5.850 x 4.241 x .103
234727 FRICTION TAN PL 52 INT	023712-260	Friction Clutch	148.50 x 107.72 x 2.59	5.850 x 4.241 x .102
235161 FRICTION BRONZE (5 per unit) 52 INT	023712BR260	Friction Clutch	148.50 x 107.72 x 2.62	5.850 x 4.241 x .103
235161 FRICTION TAN PL 52 INT	023712-260	Friction Clutch	148.50 x 107.72 x 2.59	5.850 x 4.241 x .102
236989 FRICTION BRONZE 52 INT	023712BR295	Friction Clutch	148.50 x 107.72 x 2.95	5.850 x 4.241 x .116
237016 FRICTION BRONZE 45 INT	049700BR235	Friction Clutch	133.35 x 92.79 x 2.36	5.250 x 3.653 x .093
238260 STEEL 12 EXT	310719	Steel Clutch	257.05 x 190.83 x 2.59	10.120 x 7.513 x .102
238313 FRICTION BRONZE (5 per unit) 52 INT	023712BR260	Friction Clutch	148.50 x 107.72 x 2.62	5.850 x 4.241 x .103
238609 FRICTION TAN PL 52 INT	023712-295	Friction Clutch	148.50 x 107.72 x 2.95	5.850 x 4.241 x .116
242530 FRICTION BRONZE 45 INT	049700BR235	Friction Clutch	133.35 x 92.79 x 2.36	5.250 x 3.653 x .093
242717 STEEL 35 EXT	310723	Steel Clutch	228.19 x 159.00 x 2.64	8.984 x 6.260 x .104
243691 STEEL 76 EXT	310721-180	Steel Clutch	182.88 x 118.21 x 1.75	7.200 x 4.654 x .069
243767 STEEL 16 HOLES	310725	Steel Clutch	355.57 x 319.92 x 4.65	13.999 x 12.359 x .183
244134 FRICTION 33 INT	310728-215	Friction Clutch	117.58 x 68.28 x 2.16	4.629 x 2.688 x .085
244979 FRICTION HEG WF 52 INT	310722	Friction Clutch	175.77 x 107.59 x 2.90	6.920 x 4.236 x .114
244980 STEEL 76 EXT	310721-180	Steel Clutch	182.88 x 118.21 x 1.75	7.200 x 4.654 x .069
245238 STEEL 4 EXT	310729-150	Steel Clutch	129.16 x 76.00 x 1.52	5.085 x 2.992 x .060
245239 FRICTION BRONZE 33 INT	310728-215	Friction Clutch	117.58 x 68.28 x 2.16	4.629 x 2.688 x .085
245741 FRICTION RED PL 45 INT	049740-230	Friction Clutch	133.35 x 92.79 x 2.31	5.250 x 3.653 x .091
246744 FRICTION BRONZE 33 INT	310728-215	Friction Clutch	117.58 x 68.28 x 2.16	4.629 x 2.688 x .085
247273 STEEL 76 EXT	310721-180	Steel Clutch	182.88 x 118.21 x 1.75	7.200 x 4.654 x .069
247274 STEEL 60 EXT	023719	Steel Clutch	154.10 x 114.05 x 1.73	6.067 x 4.490 x .068
2787359 STEEL 26 EXT	310727-225	Steel Clutch	143.46 x 89.51 x 2.24	5.649 x 3.524 x .088
2794675 FRICTION TAN WF 40 INT	310726-270	Friction Clutch	127.25 x 82.19 x 2.69	5.010 x 3.236 x .106
2810118 FRICTION HEG WF 52 INT	023712A295	Friction Clutch	148.5 x 107.72 x 2.95	5.850 x 4.241 x .116
2812288 STEEL 4 EXT	310701A228	Steel Clutch	155.55 x 116.00 x 2.29	6.124 x 4.567 x .090
291578A1 FRICTION HEG WF 1 SIDE 54 EXT	310730-170	Friction Clutch	138.99 x 99.01 x 1.70	5.472 x 3.898 x .067
291579A1 FRICTION HEG WF 54 EXT	310732-262	Friction Clutch	138.99 x 99.01 x 2.62	5.472 x 3.898 x .103
291580A1 STEEL 45 INT	310731-198	Steel Clutch	128.60 x 92.79 x 1.98	5.063 x 3.653 x .078
3734356 FRICTION BRONZE (5 per unit) 52 INT	023712BR260	Friction Clutch	148.50 x 107.72 x 2.62	5.850 x 4.241 x .103
4206373 FRICTION 52 INT	310740A267	Friction Clutch		
4206374 STEEL 52 INT	310747A195	Steel Clutch		
4206417 FRICTION 52 INT	310738A190	Friction Clutch		
4207140 STEEL 52 INT	310745-250	Steel Clutch		
4207141 FRICTION 52 INT	310742-290	Friction Clutch		
4207419 STEEL 52 INT	310739-300	Steel Clutch		

ALTO HEAVY DUTY CATALOG

CLARK

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
4207444 STEEL 52 INT	310743A235	Steel Clutch		
4207455 STEEL 52 INT	310741-230	Steel Clutch		
4215606 FRICTION 52 INT	310736-265	Friction Clutch		
4215607 FRICTION 52 INT	310737A270	Friction Clutch		
4215608 FRICTION 52 INT	310737B190	Friction Clutch		
878364 STEEL DISH 54 EXT	023703	Steel Clutch	138.99 x 99.01 x 1.73	5.472 x 3.898 x .068
878373 FRICTION BRONZE 45 INT	049700BR	Friction Clutch	128.6 x 92.79 x 1.55	5.063 x 3.653 x .061
878374 STEEL 54 EXT	023701	Steel Clutch	138.99 x 99.01 x 1.73	5.472 x 3.898 x .068
887983 FRICTION BRONZE 59 INT	023738BR	Friction Clutch	190.61 x 147.17 x 2.92	7.504 x 5.794 x .115
887984 STEEL 3 EXT	023739	Steel Clutch	214.83 x 155.58 x 1.75	8.458 x 6.125 x .069
888027 FRICTION BRONZE 45 INT	049700BR	Friction Clutch	128.60 x 92.79 x 1.55	5.063 x 3.653 x .061
907566 FRICTION HEG PLI 45 INT	049720-200	Friction Clutch	133.35 x 92.79 x 2.08	5.250 x 3.653 x .082
907567 STEEL 54 EXT	023701-300	Steel Clutch	138.99 x 99.01 x 3.01	5.472 x 3.898 x .119
927619 FRICTION HEG 36 INT	310734-236	Friction Clutch	134.11 x 87.88 x 2.36	5.280 x 3.460 x .093
927620 STEEL 6 EXT	310733-200	Steel Clutch	152.40 x 95.00 x 2.01	6.000 x 3.740 x .079
999736 FRICTION HEG PLI 90 INT	026720	Friction Clutch	61.59 x 125.27 x 1.91	6.362 x 4.932 x .075

DAMPER ASSEMBLIES

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
105890 DAMPER CARRIER PLATE	DA-504	Damper Assemblies	330.20 x 63.68 x 2.08	13.000 x 2.507 x .082
106083 DAMPER CARRIER PLATE	DA-505	Damper Assemblies	301.37 x 63.68 x 1.63	11.865 x 2.507 x .064
1060836 DAMPER CARRIER PLATE	DA-506	Damper Assemblies	301.32 x 63.68 x 1.57	11.836 x 2.507 x .062
115456 DAMPER CARRIER PLATE	DA-504	Damper Assemblies	330.20 x 63.68 x 2.08	13.000 x 2.507 x .082
N115485 DAMPER CARRIER PLATE	DA-502	Damper Assemblies	352.27 x 63.68 x 2.18	13.869 x 2.507 x .086
N115495 DAMPER CARRIER PLATE	DA-503	Damper Assemblies	301.70 x 51.26 x 1.63	11.878 x 2.018 x .064
UCL10107-14 DAMPER CARRIER PLATE	DA-501	Damper Assemblies	301.70 x 51.26 x 1.57	11.878 x 2.018 x .062
UCL11911-146 DAMPER CARRIER PLATE	DA-506	Damper Assemblies	301.32 x 63.68 x 1.57	11.836 x 2.507 x .062
UCL11911-19 DAMPER CARRIER PLATE	DA-505	Damper Assemblies	301.37 x 63.68 x 1.63	11.865 x 2.507 x .064

DANA SPICER

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
224772 STEEL (5 per unit) 60 EXT	023719	Steel Clutch	154.10 x 114.05 x 1.73	6.067 x 4.490 x .068
238609 FRICTION TAN PL 52 INT	023712-295	Friction Clutch	148.50 x 107.72 x 2.95	5.850 x 4.241 x .116
727429 STEEL 1 EXTERNAL NOTCH	328705-267	Steel Clutch	162.97 x 79.98 x 2.67	6.416 x 3.149 x .105
727443 FRICTION AXLE BRAKE HEG PLI with 8 Holes 19 INT	328704-488	Friction Clutch	143.10 x 34.11 x 4.88	5.634 x 1.343 x .192
8033096 KIT - FRICTION & STEEL Contains: 4-328700, 4-328701	328750	Friction Steel Module		
CKC-66409 FRICTION TAN WF 45 INT	049700-216	Friction Clutch	133.35 x 92.79 x 2.16	5.250 x 3.653 x .085
CKC-68632 FRICTION HEG WF 40 INT	310726A250	Friction Clutch	127.25 x 82.19 x 2.54	5.010 x 3.236 x .100
D50083 STEEL 54 EXT	023701	Steel Clutch	138.99 x 99.01 x 1.73	5.472 x 3.898 x .068
D70672 FRICTION HEG PLI 45 INT	049722A155	Friction Clutch	133.35 x 92.79 x 1.55	5.250 x 3.653 x .061
P20602 FRICTION TAN PL 52 INT	023712-180	Friction Clutch	148.50 x 107.72 x 1.78	5.850 x 4.241 x .070
R30WA109 STEEL 61 EXT	328701	Steel Clutch	200.10 x 102.10 x 6.10	7.870 x 4.010 x .087
R30WA120 FRICTION BRONZE 23 INT	328700	Friction Clutch	177.62 x 69.42 x 3.81	6.993 x 2.733 x .150

DOOSAN

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
222200012 FRICTION BRAKE PLATE 16 INT	306732-485	Friction Clutch	201.17 x 40.36 x 4.88	7.920 x 1.589 x .192
222200013 STEEL BRAKE PLATE 6 EXT	306731-266	Steel Clutch	19.61 x 145.77 x 2.67	8.464 x 5.739 x .105

ALTO HEAVY DUTY CATALOG

EATON FULLER / CEEMAT

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
22450 FRICTION TAN WF - CONVERTER CLUTCH LARGE 99 INT	353706-340	Friction Clutch	386.18 x 311.53 x 3.38	15.204 x 12.265 x .133
224546 FRICTION TAN PLNI- CONVERTER CLUTCH SMALL 66 INT	353704-410	Friction Clutch	260.55 x 206.50 x 4.14	10.258 x 9.130 x .163
22466 STEEL - CONVERTER CLUTCH SMALL 66 EXT	353705-310	Steel Clutch	278.10 x 214.83 x 3.15	10.949 x 8.428 x .124
4303471 STEEL - CONVERTER CLUTCH LARGE (NOTCHED OD)	353707-310	Steel Clutch	451.92 x 322.30 x 3.12	17.792 x 12.689 x .123

EUCLID

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
E4059006 STEEL 20 EXT	310711	Steel Clutch	670.31 x 467.87 x 3.10	26.390 x 18.420 x .122
E4059008 FRICTION GRAPHITE 52 INT	310712	Friction Clutch	646.94 x 431.55 x 5.28	25.470 x 16.990 x .208
E4095205 STEEL 14 EXT	310715	Steel Clutch	218.97 x 158.93 x 2.73	8.621 x 6.257 x .108
E4095206 FRICTION BRONZE 60 INT	310704	Friction Clutch	195.20 x 145.11 x 3.96	7.685 x 5.713 x .156

EXEDY

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
FRICTION HEG WF 32 INT	354700-300	Friction Clutch	235.89 x 192.58 x 2.97	9.287 x 7.582 x .117
STEEL 6 EXT	354701-270	Steel Clutch	263.78 x 200.05 x 2.69	10.385 x 7.876 x .106

FIAT - ALLIS

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
508053 STEEL 40 INT	330717-150	Steel Clutch	151.94 x 81.69 x 1.52	5.982 x 3.216 x .060
70629863 FRICTION BRONZE 34 INT	317712-250	Friction Clutch	198.15 x 140.54 x 2.49	7.801 x 5.533 x .098
70675510 FRICTION BRONZE 34 INT	317712-250	Friction Clutch	198.15 x 140.54 x 2.49	7.801 x 5.533 x .098
71010964 FRICTION BRONZE 25 INT	317702-360	Friction Clutch	250.57 x 124.08 x 3.63	9.865 x 4.885 x .143
73021191 STEEL 6 EXT	352701	Steel Clutch	274.32 x 202.49 x 2.72	10.800 x 7.972 x .107
73021215 FRICTION BRONZE 60 INT	352704-388	Friction Clutch	253.59 x 187.81 x 3.91	9.984 x 7.394 x .154
73044593 FRICTION BRONZE 60 INT	352704-388	Friction Clutch	253.59 x 187.81 x 3.91	9.984 x 7.394 x .154
73058782 STEEL 6 EXT	352701	Steel Clutch	274.32 x 202.49 x 2.72	10.800 x 7.972 x .107
73118088 FRICTION BRONZE 45 INT	049700BR235	Friction Clutch	133.35 x 92.79 x 2.36	5.250 x 3.653 x .093
73118089 STEEL 54 EXT	023701	Steel Clutch	138.99 x 99.01 x 1.73	5.472 x 3.898 x .068
73118133 FRICTION BRONZE 45 INT	049700BR235	Friction Clutch	133.35 x 92.79 x 2.36	5.250 x 3.653 x .093
9433405 FRICTION BRONZE 68 EXT	332702	Friction Clutch	112.14 x 71.30 x 2.16	4.415 x 2.807 x .085
9435217 STEEL 42 INT	332703	Steel Clutch	101.60 x 64.69 x 1.59	4.000 x 2.547 x .063
9502757 STEEL 60 EXT	023719	Steel Clutch	154.1 x 114.05 x 1.73	6.067 x 4.490 x .068
98529646 FRICTION - BRAKE 22 INT	317704-490	Friction Clutch	204.47 x 60.83 x 4.90	8.050 x 2.395 x .193

FORD INDUSTRIAL / NEW HOLLAND

REF# and Description	ALTO #	Part Type	INCH (ODxIDxThk)
Turbocharger - Skid Steer Loader LS170 LX665	ATGT04-1002	Turbocharger	

FORD INDUSTRIAL / NEW HOLLAND

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
13474AM FRICTION HEG PLI 45 INT	049720	Friction Clutch	133.35 x 92.79 x 1.55	5.250 x 3.653 x .061
1804831 FRICTION BRONZE 45 INT	049700BR	Friction Clutch	128.60 x 92.79 x 1.55	5.063 x 3.653 x .061
1808604 STEEL FRONT DISH 54 EXT	023703	Steel Clutch	138.99 x 99.01 x 1.73	5.472 x 3.898 x .068
1816970 FRICTION PTO BRONZE 45 INT	311702	Friction Clutch	133.35 x 92.79 x 2.03	5.250 x 3.653 x .080
86962386 FRICTION 555C / 555D BRONZE 36 INT	311720-244	Friction Clutch	133.40 x 90.30 x 2.44	5.252 x 3.555 x .096
86964288 FRICTION 555C / 555D BRONZE 36 INT	311720-260	Friction Clutch	133.40 x 90.30 x 2.59	5.252 x 3.555 x .102
B5AZ-7B164A FRICTION BRONZE 45 INT	049700BR	Friction Clutch	128.60 x 92.79 x 1.55	5.063 x 3.653 x .061
B85-77573 STEEL FRONT 60 EXT	023719	Steel Clutch	154.10 x 114.05 x 1.73	6.067 x 4.490 x .068
C5NN-2A097B FRICTION BRAKE BRONZE - EARLY STYLE 22 INT	311710A	Friction Clutch	204.50 x 53.52 x 4.88	8.051 x 2.107 x .192
C5NN-2N315A STEEL BRAKE 1 LUG 1 Lug	311713	Steel Clutch	228.17 x 147.32 x 2.64	8.983 x 5.800 x .104
C5NN-2N315B STEEL BRAKE 1 LUG 1 Lug	311711	Steel Clutch	209.32 x 114.30 x 2.62	8.241 x 4.500 x .103
C5NN-P743B FRICTION PTO BRONZE 45 INT	311702	Friction Clutch	133.35 x 92.79 x 2.03	5.250 x 3.653 x .080
C7NN-2A097B FRICTION BRAKE BRONZE 5 SLOTS 22 INT	311712	Friction Clutch	223.77 x 53.52 x 3.10	8.810 x 2.107 x .122
C8AP-7B442A STEEL FRONT 54 EXT	023701	Steel Clutch	138.99 x 99.01 x 1.73	5.472 x 3.898 x .068
C8AP-7B442A STEEL PTO 54 EXT	023701	Steel Clutch	138.99 x 99.01 x 1.73	5.472 x 3.898 x .068

ALTO HEAVY DUTY CATALOG

FORD INDUSTRIAL / NEW HOLLAND

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
C9NN-2A097BA FRICTION BRAKE BRONZE 5 SLOTS 22 INT	311712	Friction Clutch	223.77 x 53.52 x 3.10	8.810 x 2.107 x .122
C9NN-P743A FRICTION PTO TAN WF 52 INT	023712-230	Friction Clutch	148.5 x 107.72 x 2.29	5.850 x 4.241 x .090
C9NN-P743B FRICTION PTO BRONZE 45 INT	311702	Friction Clutch	133.35 x 92.79 x 2.03	5.250 x 3.653 x .080
C9NN-P743D FRICTION PTO BRONZE 52 INT	311700A	Friction Clutch	148.56 x 107.72 x 2.29	5.849 x 4.241 x .0895
CONN-7B164A FRICTION BRONZE 45 INT	049700BR	Friction Clutch	128.60 x 92.79 x 1.55	5.063 x 3.653 x .061
D0AP-N5861 FRICTION HEG PLI 45 INT	049720	Friction Clutch	133.35 x 92.79 x 1.55	5.250 x 3.653 x .061
D1NN-P743A FRICTION PTO TAN WF 52 INT	023712-230	Friction Clutch	148.50 x 107.72 x 2.29	5.850 x 4.241 x .090
D2NN-7R174A STEEL FRONT 60 EXT	023719	Steel Clutch	154.10 x 114.05 x 1.73	6.067 x 4.490 x .068
D3NN-P743A FRICTION PTO BRONZE 52 INT	311700	Friction Clutch	148.56 x 107.72 x 2.29	5.849 x 4.241 x .090
D6NN-C730A STEEL FRONT 60 EXT	023719	Steel Clutch	154.10 x 114.05 x 1.73	6.067 x 4.490 x .068
D6NN-C730A STEEL PTO 60 EXT	023719	Steel Clutch	154.10 x 114.05 x 1.73	6.067 x 4.490 x .068
D8NN-P743JA FRICTION PTO TAN WF 52 INT	023712-230	Friction Clutch	148.50 x 107.72 x 2.29	5.850 x 4.241 x .090
E6NN-2N315AA STEEL BRAKE 1 LUG 1 Lug	311713	Steel Clutch	228.17 x 147.32 x 2.64	8.983 x 5.800 x .104
E9NN-2A097AA FRICTION BRAKE BRONZE - LATE STYLE 22 INT	311710	Friction Clutch	204.72 x 53.52 x 3.10	8.060 x 2.107 x .122
E9NN-2A097BA FRICTION BRAKE BRONZE 5 SLOTS 22 INT	311712	Friction Clutch	223.77 x 53.52 x 3.10	8.810 x 2.107 x .122
IP-77518A STEEL FRONT DISH 54 EXT	023703	Steel Clutch	138.99 x 99.01 x 1.73	5.472 x 3.898 x .068
IP-77573A-1 STEEL FRONT 54 EXT	023701	Steel Clutch	138.99 x 99.01 x 1.73	5.472 x 3.898 x .068
PBB-77519A FRICTION BRONZE 52 INT	023712BR	Friction Clutch	148.50 x 107.72 x 1.52	5.850 x 4.241 x .060
PBB-77573A STEEL FRONT 60 EXT	023719	Steel Clutch	154.10 x 114.05 x 1.73	6.067 x 4.490 x .068
PBB-77573A STEEL PTO 60 EXT	023719	Steel Clutch	154.10 x 114.05 x 1.73	6.067 x 4.490 x .068

FORD INDUSTRIAL / NEW HOLLAND MISC.

REF# and Description	ALTO #	Part Type	INCH (ODxIDxThk)
Turbocharger - LS180, LX865, LX885, 3930, 345D, 445D, 545D	ATG002-1001	Turbocharger	

FORD MISC. PARTS

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
Turbocharger - Powerstroke Diesel F250, F350, F450, GTP38 199-03	ATGT04-1014	Turbocharger	133.35 x 92.79 x 1.55	5.250 x 3.653 x .061

FORD TRACTOR

REF# and Description	ALTO #	Part Type	INCH (ODxIDxThk)
Contains: Clutch Cover, Clutch Disc, Release Bearing, Pilot Bearing, Alignment Tool FORD TRACTOR 8N, 9N, 2N, NAA, 600, 700, 800, 900	91900	Rebuilding Kit	

FUJI UNIVANCE

REF# and Description	ALTO #	Part Type	INCH (ODxIDxThk)
EW2080S00F STEEL 52 INT	306739-240	Steel Clutch	
EW2090S00F STEEL 52 INT	306739-210	Steel Clutch	
EW4070S00F STEEL 56 INT	306735-240	Steel Clutch	
EW4110S00F STEEL 56 INT	306735-210	Steel Clutch	
EW5120S00F STEEL 62 INT	306737-262	Steel Clutch	
EW5130S00F STEEL 62 INT	306737-240	Steel Clutch	

FUNK

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
4002254 STEEL 60 EXT	023719-310	Steel Clutch	154.10 x 114.05 x 3.10	6.067 x 4.490 x .122
4002787 FRICTION TAN PL 52 INT	023712A170	Friction Clutch	148.50 x 107.72 x 1.70	5.850 x 4.241 x .067
4005522 FRICTION HEG WF 52 INT	023722-180	Friction Clutch	148.59 x 101.70 x 1.80	5.850 x 4.240 x .071
4005523 FRICTION TAN PL 52 INT	023712-295	Friction Clutch	148.50 x 107.72 x 2.95	5.850 x 4.241 x .116
4005524 FRICTION TAN PL 45 INT	049700-180	Friction Clutch	133.35 x 92.79 x 1.80	5.250 x 3.653 x .071
4010556 STEEL 44 EXT	029701	Steel Clutch	113.49 x 79.60 x 1.73	4.468 x 3.134 x .068
4010595 FRICTION BRONZE 36 INT	029712BR	Friction Clutch	107.87 x 73.76 x 1.57	4.247 x 2.904 x .062
40121315 FRICTION TAN PL 52 INT	023712A170	Friction Clutch	148.50 x 107.72 x 1.70	5.850 x 4.241 x .067
40121323 STEEL 60 EXT	023719	Steel Clutch	154.10 x 114.05 x 1.73	6.067 x 4.490 x .068
40121323 STEEL - OE Style 60 EXT	079741	Steel Clutch	154.23 x 113.87 x 1.75	6.072 x 4.483 x .069
4050498 FRICTION BRONZE 45 INT	049700BR	Friction Clutch	128.60 x 92.79 x 1.55	5.063 x 3.653 x .061

ALTO HEAVY DUTY CATALOG

FUNK

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
40RC-7683 FRICTION BRONZE 45 INT	049700BR	Friction Clutch	128.60 x 92.79 x 1.55	5.063 x 3.653 x .061
40RC-7727 STEEL DISH 54 EXT	023703	Steel Clutch	138.99 x 99.01 x 1.73	5.472 x 3.898 x .068
40RC-7951 STEEL 54 EXT	023701	Steel Clutch	138.99 x 99.01 x 1.73	5.472 x 3.898 x .068
40RC-7951 STEEL DISH 54 EXT	023703	Steel Clutch	138.99 x 99.01 x 1.73	5.472 x 3.898 x .068
4TRC-7173 STEEL DISH 54 EXT	023703	Steel Clutch	138.99 x 99.01 x 1.73	5.472 x 3.898 x .068
4TRC-7174 FRICTION BRONZE 45 INT	049700BR	Friction Clutch	128.60 x 92.79 x 1.55	5.063 x 3.653 x .061
Not Available STEEL 69 EXT	314701-190	Steel Clutch	177.09 x 131.90 x 1.93	6.972 x 5.193 x .076
YZ102-938 STEEL 69 EXT	079743	Steel Clutch	177.11 x 139.16 x 1.90	6.973 x 5.497 x .075
YZ103-269 FRICTION BRONZE 60 INT	314700	Friction Clutch	169.70 x 124.70 x 3.20	6.670 x 4.900 x .126
YZ105-493 FRICTION HEG PLI 52 INT	079744-275	Friction Clutch	169.60 x 107.29 x 2.79	6.677 x 4.224 x .110
YZ106-060 FRICTION TAN PLI 60 INT	314700A280	Friction Clutch	169.67 x 124.69 x 2.79	6.680 x 4.909 x .110
YZ501-1026 STEEL 66 EXT	079749	Steel Clutch	211.92 x 148.00 x 1.90	8.343 x 5.827 x .075
YZ501-539 STEEL 66 EXT	079749	Steel Clutch	211.92 x 148.00 x 1.90	8.343 x 5.827 x .075
YZ502-309 STEEL 66 EXT	079749	Steel Clutch	211.92 x 148.00 x 1.90	8.343 x 5.827 x .075
ZY105-481 FRICTION TAN PL 52 INT	023712-279	Friction Clutch	148.50 x 107.72 x 2.79	5.850 x 4.241 x .110

GALION

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
630515C2 FRICTION BRONZE 52 INT	023712BR295	Friction Clutch	148.50 x 107.72 x 2.95	5.850 x 4.241 x .116
72327 STEEL 54 EXT	023701	Steel Clutch	138.99 x 99.01 x 1.73	5.472 x 3.898 x .068
72330 FRICTION BRONZE 45 INT	049700BR	Friction Clutch	128.60 x 92.79 x 1.55	5.063 x 3.653 x .061
72372 FRICTION BRONZE 59 INT	023738BR	Friction Clutch	190.61 x 147.17 x 2.92	7.504 x 5.794 x .115
72378 STEEL 3 EXT	023739	Steel Clutch	214.83 x 155.58 x 1.75	8.458 x 6.125 x .069
77576 FRICTION BRONZE 52 INT	023712BR295	Friction Clutch	148.50 x 107.72 x 2.95	5.850 x 4.241 x .116
D139209 FRICTION BRONZE 45 INT	049700BR	Friction Clutch	128.60 x 92.79 x 1.55	5.063 x 3.653 x .061
D139309 FRICTION BRONZE 52 INT	023712BR295	Friction Clutch	148.50 x 107.72 x 2.95	5.850 x 4.241 x .116
D72327 STEEL 54 EXT	023701	Steel Clutch	138.99 x 99.01 x 1.73	5.472 x 3.898 x .068
D72330 FRICTION BRONZE 45 INT	049700BR	Friction Clutch	128.60 x 92.79 x 1.55	5.063 x 3.653 x .061
D72372 FRICTION BRONZE 59 INT	023738BR	Friction Clutch	190.61 x 147.17 x 2.92	7.504 x 5.794 x .115
D72378 STEEL 3 EXT	023739	Steel Clutch	214.83 x 155.58 x 1.75	8.458 x 6.125 x .069
D80064 FRICTION BRONZE 19 INT	310716	Friction Clutch	165.07 x 74.30 x 3.99	6.499 x 2.925 x .157

GROVE

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
9904100634 STEEL DISH 54 EXT	023703	Steel Clutch	138.99 x 99.01 x 1.73	5.472 x 3.898 x .068
9904101482 STEEL 3 EXT	023739	Steel Clutch	214.83 x 155.58 x 1.75	8.458 x 6.125 x .069
9904101483 FRICTION BRONZE 59 INT	023738BR	Friction Clutch	190.61 x 147.17 x 2.92	7.504 x 5.794 x .115
9904101523 FRICTION BRONZE 45 INT	049700BR	Friction Clutch	128.60 x 92.79 x 1.55	5.063 x 3.653 x .061
9904105541 FRICTION TAN PL 45 INT	049700	Friction Clutch	128.60 x 92.79 x 1.55	5.063 x 3.653 x .061

HELI

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
11243-82151 FRICTION 41 INT	330700A260	Friction Clutch	124.64 x 68.83 x 2.59	4.907 x 2.710 x .102

HIDROMEK

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
F06/13869 STEEL 3 EXT	324701-385	Steel Clutch	238.02 x 140.08 x 3.89	9.371 x 5.515 x .153
F06/13871 FRICTION (8 HOLES) TAN PLNI 15 INT	324700A385	Friction Clutch	221.95 x 49.61 x 3.89	8.738 x 1.953 x .153

HYSTER

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
106375 STEEL DISH 54 EXT	023703	Steel Clutch	138.99 x 99.01 x 1.73	5.472 x 3.898 x .068
109604 FRICTION HEG PLI 45 INT	049720-200	Friction Clutch	133.35 x 92.79 x 2.08	5.250 x 3.653 x .082
113486 FRICTION BRONZE 20 INT	318700	Friction Clutch	169.14 x 78.44 x 3.29	6.659 x 3.088 x .130
114254 STEEL 20 EXT	318701	Steel Clutch	191.50 x 117.50 x 2.10	7.530 x 4.620 x .083
119729 FRICTION BRONZE 20 INT	318700	Friction Clutch	169.14 x 78.44 x 3.29	6.659 x 3.088 x .130
119751 STEEL 20 EXT	318701	Steel Clutch	191.50 x 117.50 x 2.10	7.530 x 4.620 x .083
1311645 FRICTION RED PL 45 INT	049740-230	Friction Clutch	133.35 x 92.79 x 2.31	5.250 x 3.653 x .091
1311652 FRICTION BRONZE 45 INT	049700BR235	Friction Clutch	133.35 x 92.79 x 2.36	5.250 x 3.653 x .093
1311662 FRICTION BRONZE 45 INT	049700BR235	Friction Clutch	133.35 x 92.79 x 2.36	5.250 x 3.653 x .093
136083 FRICTION BRONZE 45 INT	049700BR	Friction Clutch	128.60 x 92.79 x 1.55	5.063 x 3.653 x .061

ALTO HEAVY DUTY CATALOG

HYSTER

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
1387235 STEEL 54 EXT	023701-250	Steel Clutch	138.99 x 99.01 x 2.50	5.472 x 3.898 x .098
1469300 FRICTION KEVLAR® PLI 45 INT	049730-250	Friction Clutch	133.35 x 92.79 x 2.51	5.250 x 3.653 x .099
148895 FRICTION BRONZE 20 INT	318700	Friction Clutch	169.14 x 78.44 x 3.29	6.659 x 3.088 x .130
261542 STEEL 50 INT	318711	Steel Clutch	215.90 x 154.00 x 2.00	8.490 x 6.060 x .079
319596 STEEL 54 EXT	023701-300	Steel Clutch	138.99 x 99.01 x 3.01	5.472 x 3.898 x .119
319596 STEEL 54 EXT	023701A300	Steel Clutch	138.99 x 99.01 x 3.01	5.472 x 3.898 x .119
328715 FRICTION 72 EXT	318712	Friction Clutch	227.80 x 165.10 x 3.40	8.960 x 6.490 x .134
334409 FRICTION TAN PLI 45 INT	049700-216	Friction Clutch	133.35 x 92.79 x 2.16	5.250 x 3.653 x .085
334417 STEEL 54 EXT	023701-300	Steel Clutch	138.99 x 99.01 x 3.01	5.472 x 3.898 x .119
346796 FRICTION HEG PLI 45 INT	049720-200	Friction Clutch	133.35 x 92.79 x 2.08	5.250 x 3.653 x .082
449273 STEEL 54 EXT	023701	Steel Clutch	138.99 x 99.01 x 1.73	5.472 x 3.898 x .068
449461 FRICTION BRONZE 45 INT	049700BR235	Friction Clutch	133.35 x 92.79 x 2.36	5.250 x 3.653 x .093
77808 STEEL 3 EXT	023739	Steel Clutch	214.83 x 155.58 x 1.75	8.458 x 6.125 x .069
77888 FRICTION BRONZE 45 INT	049700BR	Friction Clutch	128.60 x 92.79 x 1.55	5.063 x 3.653 x .061
77898 STEEL 54 EXT	023701	Steel Clutch	138.99 x 99.01 x 1.73	5.472 x 3.898 x .068
878364 STEEL DISH 54 EXT	023703	Steel Clutch	138.99 x 99.01 x 1.73	5.472 x 3.898 x .068

FAI

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
32010076 FRICTION BRAKE PLATE 16 INT	306732-485	Friction Clutch	201.17 x 40.36 x 4.88	7.920 x 1.589 x .192
HU7347612 FRICTION BRAKE PLATE 16 INT	306732-485	Friction Clutch	201.17 x 40.36 x 4.88	7.920 x 1.589 x .192

HURTH

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
734.07.610.22 FRICTION BRAKE PLATE 16 INT	306732-485	Friction Clutch	201.17 x 40.36 x 4.88	7.920 x 1.589 x .192
112.07.610.02 FRICTION BRAKE PLATE 16 INT	306732-485	Friction Clutch	201.17 x 40.36 x 4.88	7.920 x 1.589 x .192

HYUNDAI

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
ZTAM00090 FRICTION BRAKE PLATE 16 INT	306732-485	Friction Clutch	201.17 x 40.36 x 4.88	7.920 x 1.589 x .192
ZTAM00219 STEEL BRAKE PLATE 6 EXT	306731-266	Steel Clutch	19.61 x 145.77 x 2.67	8.464 x 5.739 x .105

INTERNATIONAL HARVESTER - HOUGH

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
1342285C1 FRICTION - BRONZE 19 INT	306702-467	Friction Clutch	203.20 x 57.20 x 4.70	7.990 x 2.250 x .185
157021H1 FRICTION BRONZE 34 INT	317712-250	Friction Clutch	198.15 x 140.54 x 2.49	7.801 x 5.533 x .098
40882D STEEL 77 EXT	319707-250	Steel Clutch	398.07 x 304.93 x 2.49	15.672 x 12.005 x .098
634536C1 FRICTION BRONZE 34 INT	317712-250	Friction Clutch	198.15 x 140.54 x 2.49	7.801 x 5.533 x .098
148962A1 FRICTION BRAKE PLATE 16 INT	306732-485	Friction Clutch	201.17 x 40.36 x 4.88	7.920 x 1.589 x .192

INTERNATIONAL HARVESTER - J. I. CASE (Agricultural) PTO

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
381464 PISTON, PTO BRAKE ASSEMBLY MECHANICAL TYPE	306300	Piston		
381489R3 STEEL PTO 6 EXT	306701	Steel Clutch	146.05 x 103.30 x 1.73	5.750 x 4.067 x .068
381490R4 FRICTION PTO TAN PLI 51 INT	306704	Friction Clutch	135.08 x 95.02 x 2.54	5.318 x 3.741 x .100
381490R4D FRICTION PTO - HEAVY DUTY HEG PLI 51 INT	306704A	Friction Clutch	135.08 x 95.02 x 2.54	5.318 x 3.741 x .100
66803C91HD MODULE, FRICTION PTO HEAVY DUTY Contains: 7-306704A	306752AHD	Friction Module		
66802C91 MODULE, FRICTION & STEEL PTO Contains: 5-306704, 12-306701	306750	Friction Steel Module		
66803C91 MODULE, FRICTION & STEEL PTO Contains: 7-306704, 9-306701	306750A	Friction Steel Module		
66803C91HD MODULE, FRICTION & STEEL PTO HEAVY DUTY Contains: 7-306704A, 9-306701	306750AHD	Friction Steel Module		
77720C94 GASKET & SEAL KIT PTO W/PISTONS	306835	Overhaul Kit		
77720C94 GASKET & SEAL KIT PTO WO/PISTONS	306835X	Overhaul Kit		
77721 GASKET & SEAL KIT PTO WO/PISTONS	306835A	Overhaul Kit		
77721S GASKET & SEAL KIT PTO WO/PISTONS	306835AX	Overhaul Kit		
877721 REBUILDING KIT PTO Heavy Duty with Seal Kit	306937AHD	Rebuilding Kit		

ALTO HEAVY DUTY CATALOG

INTERNATIONAL HARVESTER - J. I. CASE (Agricultural) PTO

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
(Heg clutches)				
877721S REBUILDING KIT PTO Heavy Duty with Seal Kit (No Pistons) (Heg clutches)	306937AXHD	Rebuilding Kit		
PISTON KIT PTO (Contains 3 Pistons)	306670	Piston		
PISTON, PTO BRAKE ASSEMBLY HYDRAULIC TYPE	306300A	Piston		
REBUILDING KIT PTO Heavy Duty with Pistons and Seal Kit (Heg clutches)	306935AHD	Rebuilding Kit		
REBUILDING KIT PTO Heavy Duty with Seal Kit (No Pistons) (Heg clutches)	306935AXHD	Rebuilding Kit		
REBUILDING KIT PTO with Pistons and Seal Kit (Tan clutches)	306935	Rebuilding Kit		
REBUILDING KIT PTO with Pistons and Seal Kit (Tan clutches)	306935A	Rebuilding Kit		
REBUILDING KIT PTO with Seal Kit (No Pistons) (Tan clutches)	306935X	Rebuilding Kit		
REBUILDING KIT PTO with Seal Kit (No Pistons) (Tan clutches)	306935AX	Rebuilding Kit		

INTERNATIONAL HARVESTER - J. I. CASE (Agricultural)

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
104712C21 FRICTION BRAKE TAN PLI (6 PER UNIT) 12 INT	351700	Friction Clutch	203.20 x 47.09 x 4.65	8.000 x 1.854 x .183
104713C21 STEEL (7 PER UNIT) 3 EXT	351701	Steel Clutch	249.56 x 125.37 x 2.29	9.825 x 4.936 x .090
148962A1 FRICTION BRAKE PLATE 16 INT	306732-485	Friction Clutch	201.17 x 40.36 x 4.88	7.920 x 1.589 x .192
196680H-1 FRICTION BRONZE 52 INT	306718	Friction Clutch	292.00 x 214.05 x 5.11	11.496 x 8.427 x .201
1981246C1 FRICTION PTO HEG PLI 24 EXT	351706	Friction Clutch	133.83 x 95.63 x 1.91	5.269 x 3.765 x .075
313807R-1 STEEL 30 EXT	352711-495	Steel Clutch	386.94 x 322.78 x 4.95	15.234 x 12.708 x .195
3427270M1 BELLEVILLE SPRING PTO (DRY APPLICATION)	306761	Friction Clutch	220.73 x 149.89 x 3.10	8.690 x 5.901 x .122
3711395M1 BELLEVILLE SPRING PTO (DRY APPLICATION)	306760	Friction Clutch	205.71 x 153.26 x 2.64	8.099 x 6.034 x .104
380249R-3 FRICTION TAN PLI TORQUE AMPLIFIER 26 INT	351702	Friction Clutch	146.15 x 63.68 x 3.94	5.745 x 2.507 x .155
382342R1 STEEL TORQUE AMPLIFIER 6 EXT	351705-378	Steel Clutch	192.74 x 130.25 x 3.76	5.588 x 5.128 x .148
382343R FRICTION BRONZE TORQUE AMPLIFIER 47 INT	351704BR	Friction Clutch	167.39 x 117.12 x 2.90	6.590 x 4.611 x .114
382344R1 STEEL TORQUE AMPLIFIER LOCKUP 6 EXT	351709-375	Steel Clutch	193.04 x 130.05 x 3.75	7.600 x 5.120 x .148
384430R-2 STEEL PISTON BACKING (1 PER UNIT) 12 EXT	351703A	Steel Clutch	174.63 x 85.73 x 2.54	6.875 x 3.375 x .100
384430R-2 STEEL PISTON BACKING (1 PER UNIT) 12 EXT	351703A	Steel Clutch	174.63 x 85.73 x 2.54	6.875 x 3.375 x .100
384431R-2 STEEL DRIVE (2 PER UNIT) 12 EXT	351703B	Steel Clutch	174.65 x 85.73 x 2.54	6.876 x 3.375 x .100
528696R-1 SHAFT IHC PTO fits Models: 756, 766, 856, 966, 986, 1066, 1086, 1456, 1466, 1486, 2856, 3088, 3288, 3688	306379	Shaft		
675667R1 FRICTION HEG PLI 45 INT	049720	Friction Clutch	133.35 x 92.79 x 1.55	5.250 x 3.653 x .061
702874C1 FRICTION BRONZE 34 INT	317712-250	Friction Clutch	198.15 x 140.54 x 2.49	7.801 x 5.533 x .098
A-175806 STEEL (MATES WITH 351708) 26 EXT	310727-225	Steel Clutch	143.46 x 89.51 x 2.24	5.649 x 3.524 x .088
A33012 FRICTION PTO BRONZE 24 EXT	351706BR	Friction Clutch	133.83 x 95.63 x 1.42	5.269 x 3.765 x .056
A59013 SPRING PTO	351767	Steel Clutch	86.08 x 76.96 x 1.27	3.389 x 3.030 x .050
A66365 STEEL PTO 17 INT	351707	Steel Clutch	126.90 x 69.85 x 1.12	4.996 x 2.750 x .044
NL BRAKE KIT, WHEEL TYPE TRACTORS Contains: 6-351700, 7-351701, Orings & Metal clad seal Fits Models: 786, 886, 986, 1086, 1486, 3088, 3288, 3388, 3488, Hydro 3588, 3688, 3788, 6388, 6588, 6788 Hydro 186	351750X	Friction Steel Module		
D50081 Pressure Plate	023760	Steel Clutch		
D50084 Pressure Plate	023761	Steel Clutch		
SBA320461550 DIAPHRAGM SPRING	306762	Friction Clutch	267.77 X 182.25 X 3.23	10.542 X 7.175 X .127

J.I. CASE / I.H.C. / DRESSER IND.

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
STEEL DISH 54 EXT	023703	Steel Clutch	138.99 x 99.01 x 1.73	5.472 x 3.898 x .068

ALTO HEAVY DUTY CATALOG

J.I. CASE / I.H.C. / DRESSER IND.

REF# and Description	ALTO #	Part Type	MM (ODxDxThk)	INCH (ODxDxThk)
1342285C1 FRICTION - BRONZE 19 INT	306702-467	Friction Clutch	203.20 x 57.20 x 4.70	7.990 x 2.250 x .185
148962A1 FRICTION BRAKE PLATE 16 INT	306732-485	Friction Clutch	201.17 x 40.36 x 4.88	7.920 x 1.589 x .192
148963A1 STEEL BRAKE PLATE 6 EXT	306731-266	Steel Clutch	19.61 x 145.77 x 2.67	8.464 x 5.739 x .105
148963A1 STEEL BRAKE PLATE 6 EXT	306731-266	Steel Clutch	19.61 x 145.77 x 2.67	8.464 x 5.739 x .105
181159A1 STEEL 6 EXT	306705-250	Steel Clutch	150.95 x 98.76 x 2.50	5.943 x 3.888 x .098
1981314-C1 FRICTION RED SB - POWERSHIFT CLUTCH DISC (Partial Assembly-without Hub and Retainer)	900-CP15	Friction Clutch	301.75 x 63.45 x 1.98	11.880 x 2.498 x .078
1997959-C1 FRICTION HEG WF 39 INT	306726-284	Friction Clutch	228.50 x 161.90 x 2.79	8.996 x 6.374 x .110
324122R1 STEEL 3 LUGS	306725-180	Steel Clutch	170.26 x 101.70 x 1.80	6.703 x 4.004 x .071
324123R1 FRICTION BRONZE 17 INT	306722-280	Friction Clutch	165.05 x 50.80 x 2.79	6.498 x 2.000 x .110
324241R1X STEEL (1.65mm Thick) 8 EXT	306709	Steel Clutch	142.62 x 99.14 x 1.60	5.615 x 3.903 x .063
324452R1 STEEL (MATES WITH 306720A) 8 EXT	306721A308	Steel Clutch	243.92 x 172.39 x 3.07	9.603 x 6.787 x .121
327186R1 STEEL 3 LUGS	306723-240	Steel Clutch	183.54 x 101.63 x 2.39	7.226 x 4.001 x .094
381489R3 STEEL 6 EXT	306701	Steel Clutch	146.05 x 103.30 x 1.73	5.750 x 4.067 x .068
381489R-3X FRICTION PTO - 1 SIDE FRICTION EXTERNAL SPLINE 6 EXT	306701B	Friction Clutch	146.05 x 103.30 x 1.73	5.750 x 4.067 x .068
381490R-1HD FRICTION PTO - HEAVY DUTY HEG PLI 51 INT	306704A	Friction Clutch	135.08 x 95.02 x 2.54	5.318 x 3.741 x .100
381490R-4 FRICTION TAN PLI 51 INT	306704	Friction Clutch	135.08 x 95.02 x 2.54	5.318 x 3.741 x .100
381490R-4X FRICTION PTO - 1 SIDE FRICTION INTERNAL SPLINE 51 INT	306704B	Friction Clutch	135.08 x 95.02 x 2.54	5.318 x 3.741 x .100
381-922-539C1 STEEL 85 EXT	306711	Steel Clutch	181.08 x 85.83 x 1.70	7.129 x 3.379 x .067
381-922-541C1 FRICTION RED WF 32 INT	306710R	Friction Clutch	166.98 x 78.74 x 1.80	6.574 x 3.100 x .071
381-922-549C1 STEEL 85 EXT	306713	Steel Clutch	181.08 x 112.78 x 1.70	7.129 x 4.440 x .067
381-922-551C1 FRICTION RED PLI 34 INT	306712R	Friction Clutch	167.18 x 104.82 x 1.80	6.582 x 4.127 x .071
381-922-551C1 FRICTION TAN PLI 34 INT	306712	Friction Clutch	167.18 x 104.82 x 1.80	6.582 x 4.127 x .071
381-922-913C1 SPRING	320767	Steel Clutch	180.00 x 173.40 x 0.35	7.080 x 6.820 x .014
464-430-8328 STEEL (Mates with 329708) 35 INT	329709-150	Steel Clutch	171.15 x 103.07 x 1.52	6.738 x 4.058 x .060
615559C1 FRICTION BRONZE 60 INT	352704-388	Friction Clutch	253.59 x 187.81 x 3.91	9.984 x 7.394 x .154
615911C1 FRICTION HEG PLI 72 INT	352702-520	Friction Clutch	371.68 x 302.74 x 5.18	14.633 x 11.919 x .204
619200C FRICTION BRONZE 39 INT	306720A	Friction Clutch	228.70 x 161.85 x 2.84	9.004 x 6.372 x .112
627306C1 FRICTION BRONZE 17 INT	306722-280	Friction Clutch	165.05 x 50.80 x 2.79	6.498 x 2.000 x .110
630516C2 STEEL 60 EXT	023719	Steel Clutch	154.1 x 114.05 x 1.73	6.067 x 4.490 x .068
634534C1 FRICTION BRONZE 45 INT	049700A150	Friction Clutch	133.35 x 92.79 x 1.50	5.250 x 3.653 x .059
634535C1 FRICTION BRONZE 29 INT	307702-250	Friction Clutch	168.58 x 119.43 x 2.54	6.637 x 4.702 x .100
635384R-2 STEEL MODEL 500 (8 PER SIDE) 9 EXT	306715-230	Steel Clutch	249.33 x 143.66 x 2.24	9.816 x 5.656 x .088
658354C2 FRICTION 45 INT	306744	Friction Clutch	266.70 x 187.20 x 2.80	10.490 x 7.360 x .110
659592C-1 STEEL 54 EXT	306745	Steel Clutch	276.10 x 200.70 x 2.30	10.860 x 7.890 x .090
676833R-1 STEEL MODEL 500C, 500D, 500E (8 PER SIDE) 9 EXT	306717-250	Steel Clutch	274.70 x 178.82 x 2.26	10.815 x 7.040 x .089
705105C-2 FRICTION BRONZE 39 INT	306720A	Friction Clutch	228.70 x 161.85 x 2.84	9.004 x 6.372 x .112
70977C-2 FRICTION HEG PLI 45 INT	049720-200	Friction Clutch	133.35 x 92.79 x 2.08	5.250 x 3.653 x .082
716719C-1 STEEL 28 EXT	306719-120	Steel Clutch	143.81 x 100.13 x 1.22	5.662 x 3.942 x .048
886934C1 FRICTION BRONZE 34 INT	306706B168	Friction Clutch	146.00 x 105.00 x 1.68	5.740 x 4.130 x .066
92934C2 STEEL- Case/Magnum 6 EXT	306733	Steel Clutch	140.91 x 107.11 x 1.19	5.548 x 4.217 x .047
92935C5 FRICTION- Case/Magnum 48 INT	306734	Friction Clutch	141.12 x 105.23 x 1.98	5.556 x 4.143 x .078
9398112 FRICTION BRONZE 35 EXT	329708	Friction Clutch	177.32 x 109.22 x 2.01	6.981 x 4.300 x .079
A17921 STEEL 60 EXT	023719	Steel Clutch	154.10 x 114.05 x 1.73	6.067 x 4.490 x .068
A17921 STEEL (SMALL) 54 EXT	023701	Steel Clutch	138.99 x 99.01 x 1.73	5.472 x 3.898 x .068
A188946 FRICTION HEG WF 40 INT	310726A250	Friction Clutch	127.25 x 82.19 x 2.54	5.010 x 3.236 x .100
A41005X STEEL (1.65mm Thick) 8 EXT	306709	Steel Clutch	142.62 x 99.14 x 1.6	5.615 x 3.903 x .063
A52252 STEEL 580K BACKHOE (1 LUG)	306703-300	Steel Clutch	238.02 x 120.55 x 3.05	9.371 x 4.746 x .120
A52253 FRICTION - BRONZE 19 INT	306702-467	Friction Clutch	203.20 x 57.20 x 4.70	7.990 x 2.250 x .185
A52393 FRICTION - BRONZE 19 INT	306702-467	Friction Clutch	203.20 x 57.20 x 4.70	7.990 x 2.250 x .185
D50040 FRICTION BRONZE (LARGE) 59 INT	023738BR	Friction Clutch	190.61 x 147.17 x 2.92	7.504 x 5.794 x .115
D50041 STEEL (LARGE) 3 EXT	023739	Steel Clutch	214.83 x 155.58 x 1.75	8.458 x 6.125 x .069
D50047 STEEL (BELLEVILLE) 8 INT	023767	Steel Clutch	134.34 x 100.08 x 1.85	5.289 x 3.940 x .073
D50082 FRICTION BRONZE (SMALL) 45 INT	049700BR	Friction Clutch	128.60 x 92.79 x 1.55	5.063 x 3.653 x .061
D55252 FRICTION BRONZE 52 INT	023712BR260	Friction Clutch	148.50 x 107.72 x 2.62	5.850 x 4.241 x .103
D70672 FRICTION HEG PLI 45 INT	049720	Friction Clutch	133.35 x 92.79 x 1.55	5.250 x 3.653 x .061
D77063 FRICTION BRONZE 52 INT	023712BR295	Friction Clutch	148.50 x 107.72 x 2.95	5.850 x 4.241 x .116
D80064 FRICTION BRONZE 19 INT	310716	Friction Clutch	165.07 x 74.30 x 3.99	6.499 x 2.925 x .157

ALTO HEAVY DUTY CATALOG

J.I. CASE / I.H.C. / DRESSER IND.

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
G101711 STEEL Models 450, 850, 1150, 1450, B,C,D, 46 EXT	306729-320	Steel Clutch	200.81 x 139.65 x 3.18	7.906 x 5.498 x .125
G102354 FRICTION BRONZE 29 INT	306708-480	Friction Clutch	190.53 x 117.07 x 4.75	7.501 x 4.609 x .187
N-7217 FRICTION BRONZE (SMALL) 45 INT	049700BR235	Friction Clutch	133.35 x 92.79 x 2.36	5.250 x 3.653 x .093
N-7219 FRICTION BRONZE (SMALL) 45 INT	049700BR235	Friction Clutch	133.35 x 92.79 x 2.36	5.250 x 3.653 x .093
S-73416 FRICTION BRONZE (LARGE) 59 INT	023738BR	Friction Clutch	190.61 x 147.17 x 2.92	7.504 x 5.794 x .115
S73872 FRICTION BRONZE 52 INT	023712BR	Friction Clutch	148.50 x 107.72 x 1.52	5.850 x 4.241 x .060
S73873 STEEL 60 EXT	023719	Steel Clutch	154.10 x 114.05 x 1.73	6.067 x 4.490 x .068
S73873 STEEL (SMALL) 54 EXT	023701	Steel Clutch	138.99 x 99.01 x 1.73	5.472 x 3.898 x .068
S-94326 FRICTION BRONZE 52 INT	023712BR260	Friction Clutch	148.50 x 107.72 x 2.62	5.850 x 4.241 x .103
STEEL 88 EXT	306714-310	Friction Clutch	189.23 x 141.53 x 3.10	7.45 x 5.572 x .122

JCB Clutches

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
04-500229 STEEL - PRESSURE PLATE 54 EXT	023761	Steel Clutch	138.94 x 98.58 x 8.66	5.471 x 3.881 x .341
04-500230 FRICTION HEG PLI 45 INT	049720	Friction Clutch	133.35 x 92.79 x 1.55	5.250 x 3.653 x .061
04-500231 STEEL 54 EXT	023701	Steel Clutch	138.99 x 99.01 x 1.73	5.472 x 3.898 x .068
04-500233 STEEL - PRESSURE PLATE 54 EXT	023760	Steel Clutch	138.99 x 99.01 x 8.18	5.472 x 3.898 x .322
331-16516 STEEL 57 EXT	324703-200	Steel Clutch	147.14 x 99.49 x 2.03	5.793 x 3.917 x .080
331-16520 FRICTION TAN SB 45 INT	324702-240	Friction Clutch	140.21 x 92.84 x 2.39	5.517 x 3.641 x .094
331-31560 STEEL 18 EXT	023761-400	Steel Clutch	139.14 x 98.73 x 4.06	5.478 x 3.887 x .160
331-31561 STEEL 18 EXT	023761-600	Steel Clutch	138.76 x 98.15 x 5.97	5.463 x 3.864 x .235
445-03205 FRICTION BRONZE 45 INT	049700BR	Friction Clutch	128.60 x 92.79 x 1.55	5.063 x 3.653 x .061
445-03205 FRICTION HEG PLI 45 INT	049720	Friction Clutch	133.35 x 92.79 x 1.55	5.250 x 3.653 x .061
445-03206 STEEL 6 EXT	023751A	Steel Clutch	150.95 x 98.76 x 1.80	5.943 x 3.888 x .071
445-05107 STEEL 8 EXT	023763-150	Steel Clutch	111.02 x 66.73 x 1.47	4.371 x 2.627 x .058
445-10602 STEEL 18 EXT	023762-600	Steel Clutch	138.76 x 98.15 x 6.01	5.463 x 3.864 x .236
445-12314 STEEL 54 EXT	023701-120	Steel Clutch	138.99 x 99.01 x 1.19	5.472 x 3.898 x .047
445-30011 FRICTION RED PL 45 INT	049740-230	Friction Clutch	133.35 x 92.79 x 2.31	5.250 x 3.653 x .091
445-30011 FRICTION TAN PPL 45 INT	049740B230	Friction Clutch	133.35 x 92.79 x 2.31	5.250 x 3.653 x .091
450-10224 FRICTION (8 HOLES) TAN PLNI 15 INT	324700A385	Friction Clutch	221.95 x 49.61 x 3.89	8.738 x 1.953 x .153
450-10226 STEEL 3 EXT	324701-385	Steel Clutch	238.02 x 140.08 x 3.89	9.371 x 5.515 x .153
458-20353 FRICTION (8 HOLES) TAN PLNI 15 INT	324700A385	Friction Clutch	221.95 x 49.61 x 3.89	8.738 x 1.953 x .153
814-00207 Disc Spring 8 INT	023767	Steel Clutch	134.34 x 73.74 x 1.85	5.289 x 2.903 x .073

JCB Misc. Parts

REF# and Description	ALTO #	Part Type	INCH (ODxIDxThk)
04-500201 Ring - Drive Gear	038105	Gasket, Overhaul Kit Component	
04-500204 Thrust Washer	023196	Washer	
04-500208 Spring - Reverse Pressure Plate	023276	Steel Clutch	
04-500211A Seal - Reverse Outer	023050A	Sealing Ring	
04-500213 Gasket - Forward/Reverse	023020	Gasket, Overhaul Kit Component	
04-50021A Seal - Front Pump	023002	Sealing Ring	
04-500237A Seal - Forward Clutch Outer	023054A	Sealing Ring	
04-500241 Snap Ring - Reverse Gear	023252	Snap Ring	
04-500242 Thrust Washer	023188	Washer	
04-500243 Thrust Washer	023187	Washer	
04-500274 Gasket - Valve Cover	023022	Gasket, Overhaul Kit Component	
2401-0020 O-Ring	010210A	Gasket, Overhaul Kit Component	
Turbocharger - Perkins 3CX	ATGT04-1003	Turbocharger	
Turbocharger - Perkins 3CX	ATGT04-1004	Turbocharger	
Turbocharger - Perkins 3CX	ATGT04-1005	Turbocharger	
Turbocharger - Perkins 3CX	ATGT04-1006	Turbocharger	
Turbocharger - Perkins Scout 4.4L Dieselmex	ATGT04-1007	Turbocharger	
Turbocharger - Perkins Scout 4.4L Dieselmex 2005-06	ATGT04-1013	Turbocharger	

ALTO HEAVY DUTY CATALOG

JCB OVERHAUL KIT

REF# and Description	ALTO #	Part Type	INCH (ODxIDxThk)
T72 Overhaul Kit contains Rubber Seals, Metal Clad Seals and Orings	023812	Overhaul Kit	

JOHN DEERE

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
AL38240 FRICTION (SMALL) TAN PL 45 INT	049700	Friction Clutch	128.60 x 92.79 x 1.55	5.063 x 3.653 x .061
AR-108105 FRICTION TAN PL 45 INT	049700-250	Friction Clutch	133.35 x 92.79 x 2.49	5.250 x 3.653 x .098
AR39128 FRICTION BRONZE 45 INT	049700BR	Friction Clutch	128.60 x 92.79 x 1.55	5.063 x 3.653 x .061
AT100837 FRICTION BRONZE (LARGE) 59 INT	023738BR	Friction Clutch	190.61 x 147.17 x 2.92	7.504 x 5.794 x .115
AT101001 FRICTION (SMALL) TAN PL 45 INT	049700	Friction Clutch	128.60 x 92.79 x 1.55	5.063 x 3.653 x .061
AT26632 FRICTION (SMALL) TAN PL 45 INT	049700	Friction Clutch	128.60 x 92.79 x 1.55	5.063 x 3.653 x .061
AT339922 FRICTION 34 INT	313720-160	Friction Clutch	109.72 x 68.32 x 1.60	4.320 x 2.690 x .063
CE20586 STEEL 8 EXT	319733-375	Steel Clutch	146.00 X 101.00 X 3.74	5.748 X 3.976 X .148
M3293T FRICTION (FIBER) 26 INT	313704-400	Friction Clutch	216.03 x 125.35 x 3.94	8.505 x 4.935 x .155
M-872T STEEL 6 EXT	313713	Steel Clutch	235.59 x 161.98 x 2.21	9.725 x 6.377 x .087
Not Available STEEL 69 EXT	314701-190	Steel Clutch	177.09 x 131.90 x 1.93	6.972 x 5.193 x .076
R-31404-R FRICTION 54 INT	319710	Friction Clutch	177.62 x 112.78 x 2.92	6.993 x 4.440 x .115
R39259 STEEL PLATE 6 EXT	313719-157	Steel Clutch	142.06 x 99.19 x 1.50	5.593 x 3.905 x .059
RE234261 FRICTION HEG WF 42 INT	319702	Friction Clutch	197.36 x 130.43 x 3.30	7.770 x 5.135 x .130
RE29815 FRICTION 6 EXT	319734-230	Friction Clutch		
T100680 STEEL (SMALL) 54 EXT	023701	Steel Clutch	138.99 x 99.01 x 1.73	5.472 x 3.898 x .068
T100681 STEEL (LARGE) 3 EXT	023739	Steel Clutch	214.83 x 155.58 x 1.75	8.458 x 6.125 x .069
T-140926 STEEL (3 TEETH REMOVED) 51 EXT	023701A	Steel Clutch	138.99 x 99.01 x 1.73	5.472 x 3.898 x .068
T-14339 STEEL 6 EXT	313715	Steel Clutch	275.82 x 177.90 x 2.64	10.859 x 7.004 x .104
T14340 STEEL 33 INT	313706-480	Friction Clutch		
T-20716 FRICTION (FIBER) 38 INT	313708-490	Friction Clutch	276.83 x 188.47 x 4.90	10.899 x 7.420 x .193
T-20717 STEEL 6 EXT	313711-240	Steel Clutch	301.60 x 206.50 x 2.40	11.860 x 8.120 x .094
T-20790 FRICTION (FIBER) 30 INT	313702-450	Friction Clutch	227.89 x 147.98 x 4.50	8.972 x 5.826 x .177
T-211817 FRICTION RED PLI 38 INT	313714-480	Friction Clutch	274.45 x 188.34 x 4.88	10.805 x 7.415 x .192
T-21315 STEEL 6 EXT	313701	Steel Clutch	245.90 x 174.96 x 2.41	9.681 x 6.888 x .095
T-31732 STEEL 6 EXT	313711	Steel Clutch	301.24 x 206.45 x 2.62	11.860 x 8.128 x .103
T-40018 FRICTION BRONZE 12 EXT	351708	Friction Clutch	152.35 x 107.92 x 2.08	5.998 x 4.249 x .082
T-44128 FRICTION BRONZE 30 INT	313712-450	Friction Clutch	147.90 x 147.90 x 4.50	8.930 x 5.820 x .177
T-44129 FRICTION 22 INT	313710-475	Friction Clutch	204.72 x 53.52 x 4.80	8.060 x 2.107 x .189
T-44804 STEEL 40 INT	330717-150	Steel Clutch	151.94 x 81.69 x 1.52	5.982 x 3.216 x .060
T-44805 FRICTION BRONZE 76 EXT	332704	Friction Clutch	164.24 x 103.81 x 2.87	6.466 x 4.087 x .113
T-82355 FRICTION RED PLI 38 INT	313714-480	Friction Clutch	274.45 x 188.34 x 4.88	10.805 x 7.415 x .192
YZ100952 STEEL PARK BRAKE 8 EXT	313721-307	Friction Clutch		
YZ106-060 FRICTION TAN PLI 60 INT	314700A280	Friction Clutch	169.67 x 124.69 x 2.79	6.680 x 4.909 x .110
YZ106212 FRICTION TAN PL 52 INT	023712-279	Friction Clutch	148.50 x 107.72 x 2.79	5.850 x 4.241 x .110

JOHN DEERE BRAKE

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
AL-38236 FRICTION BRAKE DISC 12 INT	313760	Friction Clutch	305.46 x 45.49 x 9.78	12.026 x 1.791 x .385
AT-63106 FRICTION BRAKE DISC 12 INT	313760	Friction Clutch	305.46 x 45.49 x 9.78	12.026 x 1.791 x .385
R-110464 FRICTION BRAKE PAD 7" KEVLAR Also fits 50 SERIES Tractors	099722K	Friction Clutch	3.200	.126
R-111122 FRICTION BRAKE PAD 6" KEVLAR Also fits 50 SERIES Tractors	099720K	Friction Clutch	3.200	.126
R-90090 FRICTION BRAKE PAD 7-1/4" KEVLAR Also fits 50 SERIES Tractors	099724K	Friction Clutch	3.200	.126

JOHN DEERE DIFFERENTIAL

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
FRICTION TAN WF (42 TOOTH COUNT) 42 INT	319730-325	Friction Clutch	228.55 x 146.35 x 3.25	8.998 x 5.762 x .128
MODULE, FRICTION & STEEL Contains: 3 319730-325, 2-319731-300, 1-319731A300	319750	Friction Steel Module		
R-34857 STEEL 12 EXT	319731A300	Steel Clutch	252.06 x 157.18 x 3.05	9.924 x 6.188 x .120
R-34858 STEEL (ROUND TOOTH) 9 EXT	319731-300	Steel Clutch	255.52 x 157.18 x 3.05	10.060 x 6.188 x .120
RE-53823 FRICTION TAN WF (47 TOOTH COUNT) 42 INT	319730A325	Friction Clutch	228.55 x 146.35 x 3.25	8.998 x 5.762 x .128

ALTO HEAVY DUTY CATALOG

JOHN DEERE MISC.

REF# and Description	ALTO #	Part Type	INCH (ODxIDxThk)
T-141566 WASHER J DEERE DIFFERENTIAL	319501	Washer	
T-21418 ROLLER/BEARINGG J DEERE DIFFERENTIAL (23 PER PACK)	319325UP23	Bearing	
Turbocharger - 11440, 1460, 1480, 915, 1066, 1086, 1466, 1486, 1566, 1586, 3388, 4100, 4156, 4166, 4186, 4386, 5088, 5288, 5488, 6388, 2150	ATGT04-1009	Turbocharger	
Turbocharger - 11710, 1175, 1270, 2290	ATGT04-1011	Turbocharger	
Turbocharger - 210, 220, 220FWA, 7030, 7040, 7045, 7050, 7060, 8550	ATGT04-1012	Turbocharger	
Turbocharger - 410B, 410C, 450, 450B, 450C, 455	ATGT04-1001	Turbocharger	
Turbocharger - 4320, 4430, 4520, 4620, 7020, 7700, 5200, 5400, 5440	ATGT04-1008	Turbocharger	
Turbocharger - 6620, 7720, 7722, 8820, 4440, 4640, 4840, 8430, 8450	ATGT04-1010	Turbocharger	

JOHN DEERE POWERSHIFT

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
AR-40896 FRICTION POWERSHIFT HEG PLI 104 INT	319714-330	Friction Clutch	323.32 x 262.86 x 3.30	12.279 x 10.349 x .130
AR-68345 FRICTION POWERSHIFT HEG PLI 104 INT	319714-330	Friction Clutch	323.32 x 262.86 x 3.30	12.279 x 10.349 x .130
AR-94515 FRICTION POWERSHIFT HEG PLI 104 INT	319714-330	Friction Clutch	323.32 x 262.86 x 3.30	12.279 x 10.349 x .130
AR-94516 FRICTION HEG WF 54 INT	319700	Friction Clutch	177.80 x 112.78 x 2.92	7.000 x 4.440 x .115
AR-94517 FRICTION HEG WF 42 INT	319702	Friction Clutch	197.36 x 130.43 x 3.30	7.770 x 5.135 x .130
AT-179473 FRICTION HEG WF 40 INT	313716-160	Friction Clutch	119.74 x 79.25 x 1.60	4.714 x 3.120 x .063
R-46391 STEEL 6 EXT	319701	Steel Clutch	195.07 x 120.65 x 3.05	7.680 x 4.750 x .120
R-46416 STEEL POWERSHIFT 4 EXT	319715-310	Steel Clutch	345.19 x 269.32 x 3.07	13.590 x 10.603 x .121
R-46418 STEEL 6 EXT	319703	Steel Clutch	216.84 x 138.02 x 2.97	8.537 x 5.434 x .117
R-48236 STEEL POWERSHIFT 4 EXT	319705-300	Steel Clutch	307.57 x 246.58 x 3.05	12.109 x 9.708 x .120
R-56547 STEEL POWERSHIFT 1 NOTCHED LUG 6 EXT	319701A310	Steel Clutch	195.07 x 120.65 x 3.05	7.680 x 4.750 x .120
R-77671 STEEL 6 EXT	319709-200	Steel Clutch	196.60 x 120.93 x 1.98	7.740 x 4.761 x .078
R-86308 STEEL 8 EXT	319711-300	Steel Clutch	355.86 x 268.99 x 3.07	14.010 x 10.590 x .121
RE-17162 FRICTION POWERSHIFT HEG PLI 94 INT	319704-300	Friction Clutch	295.25 x 239.80 x 3.05	11.624 x 9.441 x .120
RE-239059 FRICTION POWERSHIFT 4955 48 INT	319716A360	Friction Clutch	279.70 x 152.60 x 3.60	11.000 x 6.000 x .142
RE-27995 FRICTION BRONZE 54 INT	319710	Friction Clutch	177.62 x 112.78 x 2.92	6.993 x 4.440 x .115
RE-28023 FRICTION BRONZE 42 INT	319712	Friction Clutch	197.36 x 130.43 x 3.30	7.770 x 5.135 x .130
RE-29816 FRICTION DIFF LOCK FWD Fits 50, 55, 60, Mid 80 to 90 Series (2 Teeth Removed) 43 INT	049720B186	Friction Clutch	133.35 x 92.79 x 1.86	5.250 x 3.653 x .073
RE-35517 FRICTION HEG PL 88 EXT	319708-330	Friction Clutch	234.75 x 187.12 x 3.33	9.242 x 7.367 x .131
RE-62897 FRICTION POWERSHIFT HEG PLI 104 INT	319714-330	Friction Clutch	323.32 x 262.86 x 3.30	12.279 x 10.349 x .130
T-158801 STEEL POWERSHIFT FWD/REV Plus 1,2,3,4 and FORWARD 30 EXT	313717-180	Steel Clutch	131.10 x 86.30 x 1.80	5.160 x 3.390 x .071

JOHN DEERE PTO

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
AR-108105 FRICTION PTO HEG PLI 45 INT	319722G	Friction Clutch	133.35 x 92.79 x 2.49	5.250 x 3.653 x .098
R-61066 STEEL QUAD RANGE WITH PTO Models: 4030, 4040, 4050, 4230, 4240, 4250, 4350, 4430, 4440, 4450, 4455, 4475, 4560, 4630, 4640, 4650, 4755, 4760, 4850, 4955, 4960 3 EXT	319723-560	Steel Clutch	361.90 x 176.00 x 5.60	14.230 x 6.920 x .220
RE-234264 FRICTION QUAD RANGE WITH PTO HEG WF (22 HOLES around ID) Models: 4030, 4040, 4050, 4230, 4240, 4250, 4350, 4430, 4440, 4450, 4455, 4475, 4560, 4630, 4640, 4650, 4755, 4760, 4850, 4955, 4960 48 INT	319724A350	Friction Clutch	305.71 x 149.35 x 3.73	12.036 x 5.880 x .147
RE-37011 FRICTION PTO TAN 45 INT	319720	Friction Clutch	133.35 x 92.79 x 1.60	5.250 x 3.653 x .063
T-28664 STEEL PTO 10 EXT	319721	Steel Clutch	142.80 x 99.10 x 2.30	5.620 x 3.900 x .090

JOHN DEERE SYNCHRO

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
AR-27727 STEEL SYNCHRO (REVERSE, LOW, HIGH) 4 INT	321701	Steel Clutch	104.72 x 71.50 x 1.19	4.123 x 2.815 x .047
AR-44997 FRICTION TAN WF SYNCHRO(REVERSE, LOW, HIGH) 6 EXT	321700	Friction Clutch	115.01 x 82.52 x 2.01	4.528 x 3.249 x .079
AR-69154 FRICTION TAN WF SYNCHRO (REVERSE, LOW, HIGH) 6 EXT	321700	Friction Clutch	115.01 x 82.52 x 2.01	4.528 x 3.249 x .079
RE-37119 KIT, SYNCHRO (REVERSE, LOW, HIGH) NOTE: 3 KITS/FULL SYNCHRO Contains: 3-321700, 2-321701	321750	Friction Steel Module		

ALTO HEAVY DUTY CATALOG

JOHN DEERE SYNCHRO

T-158801 STEEL SYNCHRO FWD/REV Plus 1,2,3,4 and FORWARD 30 EXT	313717-180	Steel Clutch	131.10 x 86.30 x 1.80	5.160 x 3.390 x .071
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KOMATSU

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
130-22-11320 STEEL 81 INT	325713-260	Steel Clutch	349.91 x 237.57 x 2.60	13.78 x 9.353 x .102
120-22-31221 STEEL 74 INT	325705-260	Steel Clutch	287.02 x 214.78 x 2.57	11.300 x 8.456 x .101
235-25-11360 FRICTION - BRAKE DISC HEG PLI 105 INT	320718-380	Friction Clutch	399.31 x 309.50 x 3.81	15.571 x 12.185 x .150
235-25-51430 STEEL - BRAKE DISC MATING PLATE 138 EXT	320719-230	Steel Clutch	419.94 x 324.56 x 2.31	16.533 x 12.778 x .091
34C-15-11350 FRICTION BRONZE 47 INT	325706-300	Friction Clutch	151.66 x 90.53 x 3.02	5.971 x 3.564 x .119
381-299-549C1 STEEL 85 EXT	306713	Steel Clutch	181.08 x 112.78 x 1.70	7.129 x 4.440 x .067
381-922-539C1 STEEL 85 EXT	306711	Steel Clutch	181.08 x 85.83 x 1.70	7.129 x 3.379 x .067
381-922-541C1 FRICTION RED WF 32 INT	306710R	Friction Clutch	166.98 x 78.74 x 1.80	6.574 x 3.100 x .071
381-922-551C1 FRICTION RED PLI 34 INT	306712R	Friction Clutch	167.18 x 104.82 x 1.80	6.582 x 4.127 x .071
381-922-913C1 SPRING	320767	Steel Clutch	180.00 x 173.40 x 0.35	7.080 x 6.820 x .014
3EA-15-11172 FRICTION HEG WF 41 INT	330700B300	Friction Clutch	124.64 x 68.83 x 3.05	4.907 x 2.710 x .120
3EA-15-11173 FRICTION HEG WF 41 INT	330700B300	Friction Clutch	124.64 x 68.83 x 3.05	4.907 x 2.710 x .120
3EA-15-11180 STEEL 4 EXT	079731-310	Steel Clutch	137.82 x 80.09 x 3.18	5.426 x 3.153 x .125
3EC-15-19270 FRICTION BRONZE 47 INT	325702BR	Friction Clutch	147.19 x 90.42 x 3.00	5.795 x 3.560 x .118
3EC-15-19280 STEEL 8 EXT	325703	Steel Clutch	157.02 x 100.30 x 1.40	6.182 x 3.949 x .055
3EC-15-29280 STEEL 8 EXT	325703	Steel Clutch	157.02 x 100.30 x 1.40	6.182 x 3.949 x .055
3EC-15-31280 STEEL 8 EXT	325709-200	Steel Clutch	168.30 x 100.20 x 2.00	6.620 x 3.940 x .079
3EC-16-31490 STEEL 4 EXT	079731-310	Steel Clutch	137.82 x 80.09 x 3.18	5.426 x 3.153 x .125
3FD-15-21570 FRICTION GRAPHITE WF (Fits 4G45T27 Type M) 37 INT	330702-250	Friction Clutch	155.70 x 87.86 x 2.54	6.130 x 3.459 x .100
418-17-39710 FRICTION POWERSHIFT HEG WF 26 INT	325700A220	Friction Clutch	159.97 x 97.38 x 2.18	6.298 x 3.834 x .086
418-33-21340 FRICTION - BRAKE DISC WA LOADER SERIES 15 INT	320706-670	Friction Clutch	303.02 x 68.20 x 6.70	11.930 x 2.290 x .264
418-33-31261 FRICTION - BRAKE DISC WA-200 0	320716-650	Steel Clutch		
419-15-12133 SPRING - WAVE OE STYLE	325767C	Steel Clutch	174.80 x 168.50 x 0.80	6.870 x 6.630 x .031
419-15-12290 FRICTION RED WF 26 INT	325700	Friction Clutch	159.97 x 97.38 x 2.18	6.298 x 3.834 x .086
419-15-12310 STEEL 68 EXT	325701	Steel Clutch	173.99 x 110.01 x 1.70	6.850 x 4.331 x .067
419-33-11243 FRICTION - BRAKE DISC WA300-1 LOADER SERIES 15 INT	320708-830	Friction Clutch	320.00 x 64.40 x 8.20	12.580 x .530 x .322
419-33-21240 FRICTION - BRAKE DISC WA320-3 LOADER SERIES 15 INT	320708A830	Friction Clutch	320.00 x 64.40 x 8.20	12.580 x .530 x .322
423-33-21240 FRICTION - BRAKE DISC WA380 LOADER SERIES 18 INT	320710-800	Friction Clutch	349.50 x 77.72 x 8.00	13.760 x 3.060 x .315
425-33-11510 FRICTION - BRAKE DISC HEG PLI Model & Qty: WA400-1 (4), 500-1 (6), 600-1 (13), 600-3 (9) 112 INT	320714-510	Friction Clutch	480.59 x 330.50 x 5.13	18.921 x 13.012 x .202
444-971C1 STEEL 11 EXT	056705	Steel Clutch	291.97 x 224.16 x 2.54	11.495 x 8.825 x .100
561-33-61230 STEEL 226 EXT	325707-240	Steel Clutch	682.75 x 509.69 x 2.41	26.808 x 20.063 x .095
566-33-41230 STEEL - BRAKE DISC MATING PLATE (18 TEETH CLIPPED) Model & Qty: WA400-1 (5), 500-1 (7), 600-1 (14), 600-3 (10) 146 EXT	320715-240	Steel Clutch	494.54 x 346.00 x 2.41	19.470 x 13.622 x .095
566-33-41242 FRICTION - BRAKE DISC Model & Qty: WA400-1 (4), 500-1 (6), 600-1 (13), 600-3 (9) 112 INT	320714-510	Friction Clutch	480.59 x 330.50 x 5.13	18.921 x 13.012 x .202
569-33-41241 FRICTION - BRAKE DISC 226 EXT	320712-518	Friction Clutch	659.13 x 491.74 x 5.18	25.950 x 19.360 x .204
569-33-41260 FRICTION - BRAKE DISC Model & Qty: WA400-1 (4), 500-1 (6), 600-1 (13), 600-3 (9) 208 EXT	325708-690	Friction Clutch	680.39 x 509.78 x 6.88	26.787 x 20.070 x .271
56D-15-12710 SPRING - WAVE OE STYLE	325767C	Steel Clutch	174.80 x 168.50 x 0.80	6.870 x 6.630 x .031
714-07-12670 FRICTION WA LOADER HEG WF 26 INT	325710-320	Friction Clutch	180.04 x 110.39 x 3.25	7.088 x 4.346 x .128
714-07-12680 STEEL WA LOADER 70 EXT	325711-200	Steel Clutch	198.04 x 127.99 x 2.01	7.797 x 50.390 x .079
714-08-19710 FRICTION 26 INT	325712-300	Friction Clutch	140.00 x 86.99 x 2.99	5.512 x 3.425 x .118
714-12-19711 FRICTION POWERSHIFT HEG WF 26 INT	325700A220	Friction Clutch	159.97 x 97.38 x 2.18	6.298 x 3.834 x .086
714-16-19730 STEEL 68 EXT	325701	Steel Clutch	173.99 x 110.01 x 1.70	6.850 x 4.331 x .067

ALTO HEAVY DUTY CATALOG

KUBOTA

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
K366022361 FRICTION 555C / 555D BRONZE 36 INT	311720-244	Friction Clutch	133.40 x 90.30 x 2.44	5.252 x 3.555 x .096
K3660223691 STEEL 555C / 555D 54 EXT	023701	Steel Clutch	139.40 x 99.30 x 1.75	5.480 x 3.900 x .069
K3660223911 FRICTION 555C / 555D BRONZE 36 INT	311720-260	Friction Clutch	133.40 x 90.30 x 2.59	5.252 x 3.555 x .102

MACK TRUCK

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
308SH108 FRICTION HEG PLI 72 INT	352702-520	Friction Clutch	371.68 x 302.74 x 5.18	14.633 x 11.919 x .204
308SH133 FRICTION HEG PLI 72 INT	352702-520	Friction Clutch	371.68 x 302.74 x 5.18	14.633 x 11.919 x .204
308SH135 FRICTION HEG PLI 72 INT	352702-520	Friction Clutch	371.68 x 302.74 x 5.18	14.633 x 11.919 x .204

MANITOU

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
562516 FRICTION BRAKE PLATE 16 INT	306732-485	Friction Clutch	201.17 x 40.36 x 4.88	7.920 x 1.589 x .192
500919 FRICTION BRAKE PLATE 16 INT	306732-485	Friction Clutch	201.17 x 40.36 x 4.88	7.920 x 1.589 x .192

MASSEY-FERGUSON

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
1672626M1 FRICTION PTO BRONZE 57 INT	323702	Friction Clutch	128.27 x 87.91 x 2.54	5.050 x 3.461 x .100
1754344M1 STEEL DISH 54 EXT	023703	Steel Clutch	138.99 x 99.01 x 1.73	5.472 x 3.898 x .068
1754345M1 FRICTION BRONZE 45 INT	049700BR	Friction Clutch	128.60 x 92.79 x 1.55	5.063 x 3.653 x .061
1804831M1 FRICTION BRONZE 45 INT	049700BR	Friction Clutch	128.60 x 92.79 x 1.55	5.063 x 3.653 x .061
185062M3 FRICTION PTO BRONZE 57 INT	323702	Friction Clutch	128.27 x 87.91 x 2.54	5.050 x 3.461 x .100
185464M1 STEEL PTO 6 EXT	033711	Steel Clutch	144.07 x 94.49 x 1.75	5.672 x 3.720 x .069
1862289M2 FRICTION PTO BRONZE 57 INT	323702	Friction Clutch	128.27 x 87.91 x 2.54	5.050 x 3.461 x .100
1870074M1 FRICTION PTO BRONZE 57 INT	323702	Friction Clutch	128.27 x 87.91 x 2.54	5.050 x 3.461 x .100
1870879M1 FRICTION PTO BRONZE 57 INT	323702	Friction Clutch	128.27 x 87.91 x 2.54	5.050 x 3.461 x .100
190177M1 FRICTION PTO BRONZE 57 INT	323702	Friction Clutch	128.27 x 87.91 x 2.54	5.050 x 3.461 x .100
216084 FRICTION BRONZE 52 INT	023712BR295	Friction Clutch	148.50 x 107.72 x 2.95	5.850 x 4.241 x .116
224772 STEEL 60 EXT	023719	Steel Clutch	154.10 x 114.05 x 1.73	6.067 x 4.490 x .068
230911 FRICTION BRONZE 52 INT	023712BR260	Friction Clutch	148.50 x 107.72 x 2.62	5.850 x 4.241 x .103
233166 FRICTION BRONZE 52 INT	023712BR260	Friction Clutch	148.50 x 107.72 x 2.62	5.850 x 4.241 x .103
233166 FRICTION TAN PL 52 INT	023712-260	Friction Clutch	148.50 x 107.72 x 2.59	5.850 x 4.241 x .103
235161 FRICTION BRONZE 52 INT	023712BR260	Friction Clutch	148.50 x 107.72 x 2.62	5.850 x 4.241 x .103
236989 FRICTION BRONZE 52 INT	023712BR295	Friction Clutch	148.50 x 107.72 x 2.95	5.850 x 4.241 x .116
2757328M91 FRICTION BRONZE 45 INT	049700BR	Friction Clutch	128.60 x 92.79 x 1.55	5.063 x 3.653 x .061
3823952M1 FRICTION BRAKE DISC HEG 27 INT	323706-480	Friction Clutch	223.75 X 55.07 X 4.83	8.809 X 2.168 X .190
513242M1 STEEL PTO 33 EXT	033711A	Steel Clutch	144.20 x 94.49 x 1.40	5.677 x 3.720 x .055
514276M1 FRICTION PTO BRONZE 57 INT	323702	Friction Clutch	128.27 x 87.91 x 2.54	5.050 x 3.461 x .100
521282M1 FRICTION PTO BRONZE 57 INT	323702	Friction Clutch	128.27 x 87.91 x 2.54	5.050 x 3.461 x .100
523551M1 STEEL PTO 11 EXT	033711B220	Steel Clutch	144.07 x 94.49 x 2.21	5.672 x 3.720 x .087
523552M1 FRICTION PTO BRONZE 57 INT	323702	Friction Clutch	128.27 x 87.91 x 2.54	5.050 x 3.461 x .100
533326M-2 FRICTION PTO BRONZE 57 INT	323702	Friction Clutch	128.27 x 87.91 x 2.54	5.050 x 3.461 x .100
772813M1 STEEL PTO 11 EXT	033711B	Steel Clutch	144.07 x 94.49 x 1.42	5.672 x 3.720 x .056

MELROSE

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
1731746 STEEL 4 EXT	316703A	Steel Clutch	88.60 x 60.05 x 1.40	3.488 x 2.364 x 0.55
6649871 FRICTION (NO TEETH) TAN PLI	179706-327	Friction Clutch	190.50 x 136.91 x 3.25	7.500 x 5.390 x .128

MINN-MLINE (WHITE TRACTOR)

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
10P2664 STEEL 6 INT	331701-155	Steel Clutch	152.43 x 89.43 x 1.55	6.000 x 3.521 x .061

MISCELLANEOUS

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
09-1280-00046-CG FRICTION TAN WF 28 INT	320700	Friction Clutch	107.95 x 68.88 x 2.67	4.250 x 2.712 x .105

MITSUBISHI / TCM

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
10433-40091 FRICTION BRONZE 19 INT	310716	Friction Clutch	165.07 x 74.30 x 3.99	6.499 x 2.925 x .157

ALTO HEAVY DUTY CATALOG

MITSUBISHI / TCM

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
65425-13800 STEEL 4 EXT	079731	Steel Clutch	137.82 x 80.09 x 2.26	5.426 x 3.153 x .089
65425-23800 STEEL 4 EXT	079731	Steel Clutch	137.82 x 80.09 x 2.26	5.426 x 3.153 x .089
90209-92800 FRICTION BRONZE 19 INT	310716	Friction Clutch	165.07 x 74.30 x 3.99	6.499 x 2.925 x .157
91224-06500 FRICTION HEG PLI 41 INT	079730A365	Friction Clutch	124.54 x 68.83 x 3.66	4.907 x 2.710 x .144
91224-16500 FRICTION HEG PLI 41 INT	079730A365	Friction Clutch	124.54 x 68.83 x 3.66	4.907 x 2.710 x .144
91224-16500 FRICTION MITS TCM HEG PLI 41 INT	079730A365	Friction Clutch	124.54 x 68.83 x 3.66	4.907 x 2.710 x .144
91324-02700 FRICTION HEG WF 41 INT	330700A260	Friction Clutch	124.64 x 68.83 x 2.59	4.907 x 2.710 x .102
91324-02701 FRICTION HEG WF 41 INT	330700A260	Friction Clutch	124.64 x 68.83 x 2.59	4.907 x 2.710 x .102
91324-02702 FRICTION HEG WF 41 INT	330700A260	Friction Clutch	124.64 x 68.83 x 2.59	4.907 x 2.710 x .102
91324-12600 STEEL 24 EXT	308707-160	Steel Clutch	131.70 x 80.09 x 1.60	5.185 x 3.153 x .063
91324-12600 STEEL 24 EXT	308707-160	Steel Clutch	131.70 x 80.09 x 1.60	5.188 x 3.153 x .063
91324-12601 STEEL 24 EXT	308707-160	Steel Clutch	131.70 x 80.09 x 1.60	5.185 x 3.153 x .063
91324-12601 STEEL 24 EXT	308707-160	Steel Clutch	131.70 x 80.09 x 1.60	5.185 x 3.153 x .063
91824-08200 STEEL 6 EXT	308705-230	Steel Clutch	170.38 x 99.97 x 2.09	6.708 x 3.936 x .090
92226-08800 FRICTION GRAPHITE WF 37 INT	330702-250	Friction Clutch	155.70 x 87.86 x 2.54	6.130 x 3.459 x .100

MOROOKA

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
SP409 FRICTION HEG PL 24 INT	316702A	Friction Clutch	78.11 x 53.11 x 1.71	3.071 x 2.091 x .067
SP410 STEEL 3 EXT	316703	Steel Clutch	190.50 x 136.91 x 3.25	3.461 x 2.372 x .039
1731746 STEEL 4 EXT	316703A	Steel Clutch	88.60 x 60.05 x 1.40	3.488 x 2.364 x 0.55

NISSAN

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
31532-22H01 FRICTION HEG WF 41 INT	330700A260	Friction Clutch	124.64 x 68.83 x 2.64	4.907 x 2.710 x .104
31532-25H01 FRICTION HEG WF 41 INT	330700A260	Friction Clutch	124.64 x 68.83 x 2.59	4.907 x 2.710 x .102
31532-40K00 FRICTION HEG WF 41 INT	330700A260	Friction Clutch	124.64 x 68.83 x 2.59	4.907 x 2.710 x .102
31532-LI000 FRICTION HEG WF 41 INT	330700A260	Friction Clutch	124.64 x 68.83 x 2.64	4.907 x 2.710 x .104
31532-LI500 FRICTION HEG WF 41 INT	330700A260	Friction Clutch	124.64 x 68.83 x 2.59	4.907 x 2.710 x .102
31536-22H00 STEEL 42 EXT	312701A180	Steel Clutch	131.55 x 77.34 x 1.78	5.179 x 3.045 x .070
31536-25H00 STEEL 42 EXT	312701-160	Steel Clutch	131.55 x 79.96 x 1.60	5.179 x 3.148 x .063
31536-LI002 STEEL 8 EXT	330701A160	Steel Clutch	131.67 x 80.16 x 1.60	5.184 x 3.156 x .063
31536-LI500 STEEL 8 EXT	330701A160	Steel Clutch	131.67 x 80.16 x 1.60	5.184 x 3.156 x .063

PARAGON

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
11759-P FRICTION HEG PLI 45 INT	049720	Friction Clutch	133.35 x 92.79 x 1.55	5.250 x 3.653 x .061

PETTIBONE

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
44238-65 FRICTION HEG PLI 45 INT	049720	Friction Clutch	133.35 x 92.79 x 1.55	5.250 x 3.653 x .061
44238-66 STEEL 54 EXT	023701	Steel Clutch	138.99 x 99.01 x 1.73	5.472 x 3.898 x .068
44238-80 FRICTION BRONZE 59 INT	023738BR	Friction Clutch	190.61 x 147.17 x 2.92	7.504 x 5.794 x .115
44238-81 STEEL 3 EXT	023739	Steel Clutch	214.83 x 155.58 x 1.75	8.458 x 6.125 x .069
44367-10 STEEL 54 EXT	023701-300	Steel Clutch	138.99 x 99.01 x 3.01	5.472 x 3.898 x .119
44367-9 FRICTION TAN PLI 45 INT	049700-216	Friction Clutch	133.35 x 92.79 x 2.16	5.250 x 3.653 x .085

PLYMOUTH (LOCOMOTIVE)

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
2-05193 STEEL 8 EXT	328711-320	Steel Clutch	244.30 x 173.00 x 3.12	9.618 x 6.811 x .123
2-05194 STEEL 8 EXT	328713-320	Steel Clutch	282.65 x 201.09 x 3.15	11.128 x 7.917 x .124
3-08491 FRICTION BRONZE 39 INT	328712-285	Friction Clutch	228.06 x 162.41 x 2.87	8.977 x 6.394 x .113
3-08492 FRICTION BRONZE 45 INT	328710-285	Friction Clutch	267.06 x 187.73 x 2.84	10.514 x 7.391 x .112

RENK

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
50.67.011/2 FRICTION BRONZE 53 INT	330714-400	Friction Clutch	275.77 x 212.14 x 3.99	10.857 x 8.352 x .157
50.67.314/2 FRICTION BRONZE 53 INT	330712-400	Friction Clutch	364.67 x 265.05 x 3.99	14.357 x 10.435 x .157
50.71.206/2 FRICTION BRONZE 53 INT	330714-400	Friction Clutch	275.77 x 212.14 x 3.99	10.857 x 8.352 x .157

ALTO HEAVY DUTY CATALOG

ROCKFORD POWERTRAIN

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
C-305193 STEEL 8 EXT	306709-155	Steel Clutch	142.62 x 99.14 x 1.55	5.615 x 3.903 x .061
C317753-X1 FRICTION BRONZE 45 INT	049700A150	Friction Clutch	133.35 x 92.79 x 1.50	5.250 x 3.653 x .059
C-317754-X1 FRICTION BRONZE 29 INT	307702-250	Friction Clutch	168.58 x 119.43 x 2.54	6.637 x 4.702 x .100

SKYTRAK

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
8033096 KIT - FRICTION & STEEL Contains: 4-328700, 4-328701	328750	Friction Steel Module		
8034688 KIT - FRICTION & STEEL Contains: 4-328700, 4-328701	328750	Friction Steel Module		
R30WA109 STEEL 61 EXT	328701	Steel Clutch	200.10 x 102.10 x 6.10	7.870 x 4.010 x .087
R30WA120 FRICTION BLK WF 23 INT	328700	Friction Clutch	177.62 x 69.42 x 3.81	6.993 x 2.733 x .150

TEREX

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
15000719 STEEL BRAKE PLATE 141 EXT	329701-250	Steel Clutch	740.13 x 539.88 x 2.41	29.139 x 21.255 x .095
15000720 BRAKE DAMPER (1 side cork facing) 140 EXT	329702-690	Friction Clutch	738.00 x 539.50 x 6.90	29.020 x 21.220 x .271
15235882 FRICTION BRAKE PLATE TAN PLI 99 INT	329700-520	Friction Clutch	714.93 x 511.23 x 5.16	28.147 x 20.127 x .203
464-430-8328 STEEL (Mates with 329708) 35 INT	329709-150	Steel Clutch	171.15 x 103.07 x 1.52	6.738 x 4.058 x .060
9255150 FRICTION BRONZE 84 INT	329704	Friction Clutch	417.60 x 349.30 x 5.20	16.420 x 13.740 x .204
9398081 FRICTION BRONZE 27 EXT	329706	Friction Clutch	137.29 x 91.24 x 2.01	5.405 x 3.592 x .079
9398112 FRICTION BRONZE 35 EXT	329708	Friction Clutch	177.32 x 109.22 x 2.01	6.981 x 4.300 x .079

TOYOTA

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
32343-30520- 71 STEEL 52 EXT	330705-230	Steel Clutch	161.50 x 100.00 x 2.30	6.358 x 3.937 x .090
32343-30520-71 FRICTION 29 INT	330708-260	Friction Clutch	156.00 x 89.00 x 2.60	6.140 x 3.500 x .102
32412-22030 STEEL 12 EXT	330703-200	Steel Clutch	165.50 x 100.00 x 2.00	6.510 x 3.930 x .079
32413-31710- 71 FRICTION 18 INT	330713-200	Steel Clutch	165.50 x 100.00 x 2.00	6.510 x 3.930 x .079
32425-U2170- 71 STEEL 8 EXT	330707-203	Steel Clutch	139.52 x 88.52 x 1.98	5.493 x 3.485 x .078
32431-12050- 71 STEEL 8 EXT	330711	Steel Clutch	161.11 x 114.15 x 1.80	6.343 x 4.494 x .071
32431-23630- 71 STEEL 6 EXT	330709-200	Steel Clutch	143.10 x 88.70 x 2.00	5.633 x 3.492 x .079
32432-22030-71 FRICTION 37 INT	330706-260	Friction Clutch	155.70 x 87.86 x 2.59	6.130 x 3.459 x 0.102
32432-32890 FRICTION GRAPHITE WF 37 INT	330702-250	Friction Clutch	155.70 x 87.86 x 2.54	6.130 x 3.459 x .100
32461-23030- 71 FRICTION HEG PLI 42 INT	330710	Friction Clutch	149.66 x 107.67 x 2.62	5.892 x 4.239 x .103
32461-23630- 71 FRICTION HEG WF 30 INT	330704-257	Friction Clutch	130.63 x 79.27 x 2.60	5.143 x 3.121 x .102
40615-20060- 71 FRICTION BRONZE 41 INT	330700A260	Friction Clutch	124.64 x 68.83 x 2.64	4.907 x 2.710 x .104
40616-20060- 71 STEEL 8 EXT	330701	Steel Clutch	131.67 x 77.17 x 1.73	5.184 x 3.038 x .068

TWIN DISC

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
204097 STEEL FOR/REV MG-506 42 INT	332703	Steel Clutch	101.60 x 64.69 x 1.59	4.000 x 2.547 x .063
206106X FRICTION HEG WF MG-518 100 EXT	332712	Friction Clutch	214.93 x 151.54 x 3.18	8.462 x 5.966 x .125
215736 STEEL MG518 56 INT	332711-228	Steel Clutch	203.20 x 138.4 x 2.30	7.990 x 5.440 x .090
A4480A,B,M FRICTION BRONZE FOR/REV MG-509 & MG-512 76 EXT	332704	Friction Clutch	164.24 x 103.81 x 2.87	6.466 x 4.087 x .113
A4481A STEEL 40 INT	330717-150	Steel Clutch	151.94 x 81.69 x 1.52	5.982 x 3.216 x .060
A4939 STEEL FOR/REV MG-509 45 INT	332705	Steel Clutch	152.45 x 92.46 x 1.55	6.002 x 3.640 x .061
A4939B STEEL FOR/REV MG-509 45 INT	332705	Steel Clutch	152.45 x 92.46 x 1.55	6.002 x 3.640 x .061
A6566E FRICTION BRONZE MG-514 ALL MODELS 12 EXT	332706	Friction Clutch	236.04 x 139.67 x 3.10	9.293 x 5.400 x .122
A6567E STEEL STEPPED MG-514A, MG-514B LATE & MG-514C 40 INT	332709	Steel Clutch	203.70 x 123.11 x 4.72	7.995 x 4.847 x .186
B1432 BEARING RETAINER TWIN DISC (12 PER PACK)	332501UP12	Bearing		
B3060B FRICTION BRONZE FOR/REV MG-506 68 EXT	332702	Friction Clutch	112.14 x 71.30 x 2.16	4.415 x 2.807 x .085
B3336A FRICTION BRONZE FOR/REV MG-502 79 EXT	332700	Friction Clutch	102.67 x 70.23 x 2.16	4.042 x 2.765 x .085
B3337 STEEL FOR/REV MG-502 52 INT	332701	Steel Clutch	94.360 x 63.68 x 1.30	3.715 x 2.507 x .051
KIT - FRICTION & STEEL Contains: 9-352704A388, 2-352712BR390, 10-352701	352750A	Friction Steel Module		
P4251A,B,C FRICTION FOR/REV BRONZE MG-509 & MG-512 76 EXT	332704	Friction Clutch	164.24 x 103.81 x 2.87	6.466 x 4.087 x .113

ALTO HEAVY DUTY CATALOG

TWIN DISC

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
P4371 STEEL FOR/REV MG-509 45 INT	332705	Steel Clutch	152.45 x 92.46 x 1.55	6.002 x 3.640 x .061
T-22176A FRICTION TAN PL 52 INT	023712	Friction Clutch	148.50 x 107.72 x 1.55	5.850 x 4.241 x .061
T-44804 STEEL 40 INT	330717-150	Steel Clutch	151.94 x 81.69 x 1.52	5.982 x 3.216 x .060

VOLVO

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
0501-208-457 FRICTION HEG PLI 34 INT	329710-450	Friction Clutch	277.85 x 166.9 x 4.50	10.939 x 6.571 x .177
0501-309-329 FRICTION BRONZE 27 EXT	329706	Friction Clutch	137.29 x 91.24 x 2.01	5.405 x 3.592 x .079
0501-309-600 FRICTION BRONZE 27 EXT	329706	Friction Clutch	137.29 x 91.24 x 2.01	5.405 x 3.592 x .079
0750-140-009 FRICTION BRONZE 27 EXT	329706	Friction Clutch	137.29 x 91.24 x 2.01	5.405 x 3.592 x .079
11037030-1 FRICTION HEG 23 INT	330720A480	Friction Clutch	223.52 x 69.85 x 4.83	8.800 x 2.250 x .190
11037196-0 FRICTION BRONZE 76 EXT	330718-200	Friction Clutch	163.80 x 99.24 x 2.01	6.449 x 3.907 x .079
11703652-5 STEEL 14 EXT	310715	Steel Clutch	218.97 x 158.93 x 2.73	8.621 x 6.257 x .108
11703854-7 STEEL 12 EXT	310719	Steel Clutch	257.05 x 190.83 x 2.59	10.120 x 7.513 x .102
11703987 FRICTION HEG 36 INT	330722	Friction Clutch	419.48 X 100.25 X 9.55	16.51 X 3.947 X .376
464-430-8328 STEEL (Mates with 329708) 35 INT	329709-150	Steel Clutch	171.15 x 103.07 x 1.52	6.738 x 4.058 x .060
464-430-8329 STEEL (Mates with 329708) 35 INT	329709-200	Steel Clutch	171.15 x 103.07 x 2.01	6.738 x 4.058 x .079
4715178 FRICTION PTO BRONZE 76 EXT	330716-290	Friction Clutch	164.13 x 89.05 x 2.95	6.462 x 3.506 x .116
4718216 STEEL PTO 40 INT	330717-150	Steel Clutch	151.94 x 81.69 x 1.52	5.982 x 3.216 x .060
4720763 STEEL 45 INT	332705	Steel Clutch	152.45 x 92.46 x 1.55	6.002 x 3.640 x .061
47800C57 FRICTION BRONZE 45 INT	049700A150	Friction Clutch	133.35 x 92.79 x 1.50	5.250 x 3.653 x .059
4871966 STEEL 54 EXT	023701	Steel Clutch	138.99 x 99.01 x 1.73	5.472 x 3.898 x .068
4873042-7 FRICTION HEG PLI 45 INT	049720	Friction Clutch	133.35 x 92.79 x 1.55	5.250 x 3.653 x .061
4873043-6 FRICTION BRONZE 45 INT	049700BR	Friction Clutch	128.60 x 92.79 x 1.55	5.063 x 3.653 x .061
795322 STEEL 8 EXT	306709-155	Steel Clutch	142.62 x 99.14 x 1.55	5.615 x 3.903 x .061

VOLVO MISC.

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
Turbocharger - Marine/Excavator	ATSC01-1001	Turbocharger		

WABCO

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
DC-4208 STEEL 104 INT	326701	Steel Clutch	557.28 x 435.76 x 4.98	21.94 x 17.156 x .196

WITCHITA

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
308-11-24 STEEL 104 INT	326701	Steel Clutch	557.28 x 435.76 x 4.98	21.94 x 17.156 x .196

YALE

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
0592179-00 STEEL 64 EXT	308701	Steel Clutch	205.59 x 145.47 x 1.65	8.094 x 5.727 x .065
0592180-00 FRICTION BRONZE 44 INT	308700A	Friction Clutch	196.60 x 138.20 x 2.79	7.730 x 5.430 x .110
4907850 STEEL 64 EXT	308701	Steel Clutch	205.59 x 145.47 x 1.65	8.094 x 5.727 x .065
505971578 STEEL 54 EXT	023701-300	Steel Clutch	138.99 x 99.01 x 3.01	5.472 x 3.898 x .119
5184708-19 FRICTION HEG PLI 45 INT	049720-200	Friction Clutch	133.35 x 92.79 x 2.08	5.250 x 3.653 x .082
5800145-55 FRICTION HEG PLI 45 INT	049720-200	Friction Clutch	133.35 x 92.79 x 2.08	5.250 x 3.653 x .082
58001956 FRICTION PTO HEG PLI 45 INT	319722G	Friction Clutch	133.35 x 92.79 x 2.49	5.250 x 3.653 x .098
630243 FRICTION BRONZE 37 EXT	334710	Friction Clutch	192.00 x 117.60 x 2.40	7.550 x 4.620 x .094
643847 STEEL 64 EXT	308701	Steel Clutch	205.59 x 145.47 x 1.65	8.094 x 5.727 x .065
643848 FRICTION BRONZE 44 INT	308700A	Friction Clutch	196.60 x 138.20 x 2.79	7.730 x 5.430 x .110
900-952-804 FRICTION 38 INT	334712	Friction Clutch	133.70 x 77.30 x 2.80	5.260 x 3.040 x .110

ZF

REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
0501-309-329 FRICTION BRONZE 27 EXT	329706	Friction Clutch	137.29 x 91.24 x 2.01	5.405 x 3.592 x .079
0501-309-330 FRICTION BRONZE 35 EXT	329708	Friction Clutch	177.32 x 109.22 x 2.01	6.981 x 4.300 x .079
0501-309-541 FRICTION BRONZE 35 EXT	329708	Friction Clutch	177.32 x 109.22 x 2.01	6.981 x 4.300 x .079
0501-309-600 FRICTION BRONZE Model 6WG-200 27 EXT	329706	Friction Clutch	137.29 x 91.24 x 2.01	5.405 x 3.592 x .079
0750-140-009 FRICTION 27 EXT	329706	Friction Clutch	137.29 x 91.24 x 2.01	5.405 x 3.592 x .079

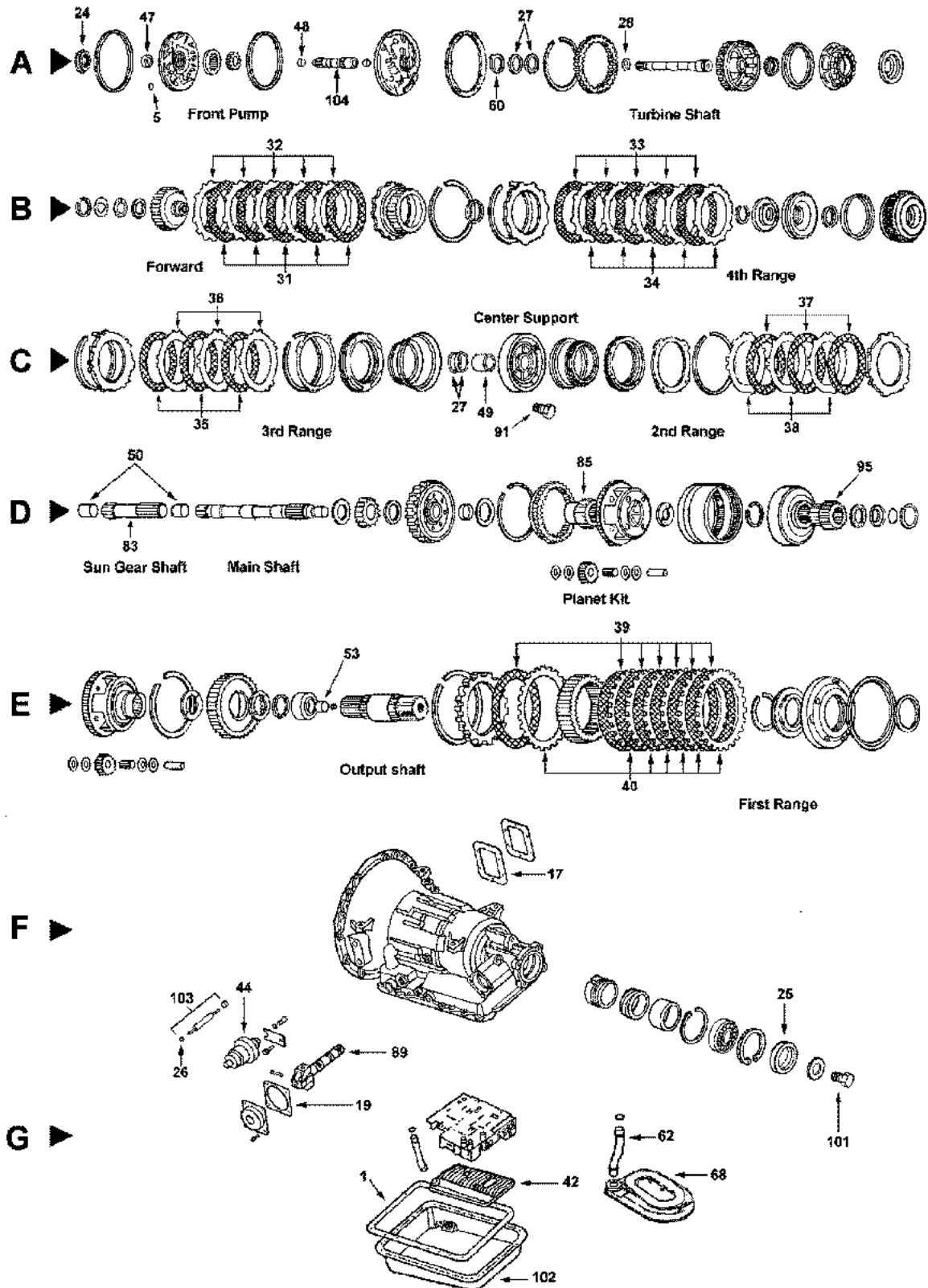
ALTO HEAVY DUTY CATALOG

ZF				
REF# and Description	ALTO #	Part Type	MM (ODxIDxThk)	INCH (ODxIDxThk)
0750-140-010 FRICTION BRONZE 35 EXT	329708	Friction Clutch	177.32 x 109.22 x 2.01	6.981 x 4.300 x .079
7302727 FRICTION (PAPER TYPE) TAN PL 24 INT	053702	Friction Clutch	142.98 x 110.08 x 1.55	5.629 x 4.334 x .061
7302752 FRICTION (PAPER TYPE) HEG SMOOTH 34 INT	053700	Friction Clutch	99.850 x 68.170 x 1.55	3.931 x 2.684 x .061
0501-215-214 ONE SIDED PLI 61 INT	329712A310	Friction Clutch	13.712 x 11.847 x .122 13.712 x 11.847 x .122 13.712 x 11.847 x .122	348.28 x 300.91 x 3.10
0501-220-255 ONE SIDED PLI 24 EXT	329713A310	Friction Clutch	374.14 x 311.91 x 3.10	14.730 x 12.280 x .122
4181-292-032 ONE SIDED PLI 46 INT	329714A245	Friction Clutch	290.65 x 232.36 x 2.44	11.443 x 9.148 x .096
4181-292-033 ONE SIDED PLI 72 INT	329715A245	Friction Clutch	297.56 x 243.36 x 2.44	11.715 x 9.581 x .096
4181-295-056 ONE SIDED PLI 42 EXT	329711A245	Friction Clutch	208.28 x 158.52 x 2.44	8.200 x 6.241 x .096
4181-295-065 ONE SIDED PLI 32 INT	329717A245	Friction Clutch	198.55 x 243.36 x 2.44	7.817 x 5.821 x .096
4181-327-001 WAVED 72 EXT	329715X	Steel Clutch	297.56 x 243.36 x 0.79	11.715 x 9.581 x .031
4181-328-017 STEEL 72 EXT	329715-142	Steel Clutch	297.56 x 243.36 x 1.42	11.715 x 9.581 x .056
4181-355-026 STEEL 32 INT	329717-140	Steel Clutch	198.55 x 147.85 x 1.40	7.817 x 5.821 x .055
464-230-8330 STEEL - KOLENE Model 6WG-200 29 EXT	329707-150	Steel Clutch	131.19 x 85.24 x 1.50	5.165 x 3.356 x .059
464-230-8331 STEEL - KOLENE Model 6WG-200 29 EXT	329707-250	Steel Clutch	131.19 x 85.24 x 2.49	5.165 x 3.356 x .098
464-230-8332 STEEL - KOLENE Model 6WG-200 29 EXT	329707-200	Steel Clutch	131.19 x 85.24 x 2.01	5.165 x 3.356 x .079
7302726 STEEL 12 EXT	053703	Steel Clutch	156.03 x 119.13 x 1.80	6.143 x 4.690 x .071
7302753 STEEL 24 EXT	053701	Steel Clutch	107.82 x 76.17 x 1.80	4.245 x 2.999 x .071
STEEL 8 EXT	330701A160	Steel Clutch	131.67 x 80.16 x 1.60	5.184 x 3.156 x .063

ALLISON

AT540, 542, 543, 545, 1545, VS

1970-On



ALLISON

AT540, 542, 543, 545, 1545, VS 1970-On

KITS								*Add Suffix SK for Super Kit	
ILL	Description	Years	Friction Module	Steel Module	Overhaul Kit	Banner Kit	Master Kit		
KT	Rebuilding Kit - AT540, 542, 545	70-On	055752C	055753B	055800	055901LS	055901 *		
	* Note: for Super Kit AT540, 542 70-On order Alto# 055901SK	70-On							
	* Note: for Super Kit AT545 70-91 order Alto# 055901SK	70-91							
	* Note: for Super Kit AT545 92-On order Alto# 055901BSK	92-On							
KT	Rebuilding Kit - AT540, 542, 545 with OE Style Gasket Set	70-On	055752C	055753B	055800A	055901ALS	055901A *		
	* Note: for Super Kit (OE Style Gasket) AT540, 542 70-On order Alto# 055901ASK	70-On							
	* Note: for Super Kit (OE Style Gasket) AT545 70-91 order Alto# 055901ASK	70-91							
	* Note: for Super Kit (OE Style Gasket) AT545 92-On order Alto# 055901CSK	92-On							

MISCELLANEOUS GASKETS & KIT COMPONENTS

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
N I	055645	K11900-2	Front Pump Seal Kit - contains Pump Gasket, Pump Seal & Pump Washers		70-On	1	
1G	055816	29501160	Gasket, oil pan	Cork/Rub	70-On	1	
1G	055815A	29501160	Gasket, oil pan - Armstrong (Solid)	Fiber	70-On	1	
1G	055815	29501160	Gasket, oil pan - Armstrong	Fiber	70-On	1	
17F	055006	23016683	Gasket, PTO cover	Cork/Rub	70-On	1	
17F	055006A	23016683	Gasket, PTO cover - Armstrong	Fiber	70-On	1	
19G	055007	23018625	Gasket, Governor cover	Cork/Rub	70-On	1	
19G	055007A	23018625	Gasket, Governor cover - Armstrong	Fiber	70-On	1	
3A	031050	23016559	Lathe Cut, Front pump body		70-On	1	
4B	031051	8623101	Lip Seal, Forward & 4th cl outer		70-On	1	
5B	031054	8623102	Lip Seal, Forward & 4th cl inner		70-On	1	

FRICTION CLUTCHES

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
31B	055700-200	23042197	Forward	.080/2.03	70-On	5	Crb - 42T - OD: 5.89"
40E	055702B246	23042198	1st Range	.097/2.46	70-On	7	G3BK - 60T - OD: 8.15"
37C	055724A255	23042199	2nd Range	.100/2.55	70-On	3-4	G3BK - 80T - OD: 9.100"
35C	055724A255	23042199	3rd Range	.100/2.55	70-On	3-4	G3BK - 80T - OD: 9.100"
35/3 7C	055704C250	29537887	2nd & 3rd Range - Hardened spline	.100/2.55	70-On	6-8	G3BK - 80T - OD: 9.100"
33B	055700-200	23042197	4th Range	.080/2.03	70-On	5	Crb - 42T - OD: 5.89"
N I	055710	NA	VS series	.107/2.70	70-On	AR	HEG - 59T - OD: 8.38"

STEEL CLUTCHES

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
32B	055701-230	6836518	Forward	.091/2.30	70-On	4-5	12T - ID: 4.6"
		29530330					
N I	055701W250	29505875	Forward - wave	.098/2.55	92-On	1	12T - ID: 4.6"
40E	055703	6831705	1st Range	.098/2.55	70-On	7	30T - ID: 6.5"
38C	055705	29515399	2nd Range	.098/2.55	70-On	3	9T - ID: 7.25"
36C	055705	29515399	3rd Range	.098/2.55	70-On	3	9T - ID: 7.25"
36C	055705A255	NA	3rd Range CaseSaver™ steel	.098/2.55	70-On	3	9T - ID: 7.25"
34B	055701-230	6836518	4th Range	.091/2.30	70-On	5-6	12T - ID: 4.6"
		29530330					

ALLISON

AT540, 542, 543, 545, 1545, VS
1970-On

STEEL CLUTCHES

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
NI	055711	NA	VS series	.089/2.25	ALL	AR	15T - ID: 6.15"

OEI® Original Equipment Improvements

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
KT	055758	NA	CaseSaver™ 3rd Range		70-On	1	

FILTER KITS

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
KT	FK031946	6884270	Filter Kit, thin Stainless Steel Filter with OE Style Gsk		70-On	1	
KT	FK031946A	6884270	Filter Kit, thin Stainless Steel Filter with Cork Gsk		70-On	1	
		29540976					
KT	FK056940A	23019201	Filter Kit, thick filter OE Style Gsk without tube		70-On	1	Aftermarket style
KT	FK056940B	23019201	Filter Kit, thick filter Cork Gsk without tube		70-On	1	Aftermarket style
KT	FKF153A	29502302	Filter Kit, thick filter OE Style Gsk without tube		70-On	1	OE style
KT	FKF153B	29502302	Filter Kit, thick filter Cork Gsk without tube		70-On	1	OE style

FILTERS

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
42G	031946	29502295	Filter - thin with stainless steel screen		70-On	1	
		29503617					
42G	031948A	6259423	Filter - Brass		70-On	1	
68G	056940A	29528474	Filter - thick with Grommet, without filter tube		70-On	1	Aftermarket style
68G	F153A	6883044	Filter - thick without filter tube		70-On	1	OE style
			Note: To convert AT540 to AT545 requires filter tube and thick filter				

METAL CLAD SEALS

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
24A	055400	23015975	Front Pump	Vamac®	70-On	1	
25F	055405	6778050	Extension Housing		70-On	1	
		29536379					
26G	032410C	23010610	Manual Lever		70-On	1	

SEALING RINGS

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
KT	055600	NL	Sealing Ring Kit (with Teflon)		70-On	1	
KT	055600A	NL	Sealing Ring Kit (with Vespel®)		70-On	1	
27A	055100	23046598	Sealing Ring, Front pump	Teflon	70-On	2	
27A	055100A	23046598	Sealing Ring, Front pump	Vespel®	70-On	2	
28A	055101	8616052	Sealing Ring, Input Shaft	Metal	70-On	1	
27C	055100	23046598	Sealing Ring, Center Support	Teflon	70-On	2	
27C	055100A	23046598	Sealing Ring, Center Support	Vespel®	70-On	2	

MODULATORS

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
44F	055502	3039092	Modulator - Dual Diaphragm		70-On	1	with O Ring

ALLISON

AT540, 542, 543, 545, 1545, VS 1970-On

BUSHINGS

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
KT	055625	NL	Bushing Kit AT540, AT542		70-On	1	
KT	055625	NL	Bushing Kit AT545 early		70-91	1	
KT	055625A	NL	Bushing Kit AT545 late		92-On	1	
47A	055200	23018806	Front Pump	Bronze	70-On	1	
48A	031201	6836272	Stator Shaft - Front	1.125 OD	70-On	1	
49C	055205	23012990	Center Support	1.54 OD	70-On	1	
49C	055205A	29506468	Center Support (AT545 Only)	1.60 OD	92-On	1	
50D	031201	6836272	Sun Gear Shaft Front	1.125 OD	70-On	1	
50D	055201	29522949	Sun Gear Shaft Front (AT545 only)	1.1910 OD	92-On	1	
50D	031201	6836272	Sun Gear Shaft Rear	1.125 OD	70-On	1	
50D	055201	29522949	Sun Gear Shaft Rear (AT545 only)	1.1910 OD	92-On	1	
53E	055208	8622947	Output Shaft	.775 OD	70-On	1	
53E	055208	8622947	Output Shaft (AT545 Only)	.775 OD	92-On	1	Up to Serial# 3210775437
53E	055208A	29502231	Output Shaft (AT545 Only)	.815 OD	92-On	1	Serial# 3210775438 & Up
2D	055206	23045072	Front Planetary Carrier	1.88 OD	70-On	1	

WASHERS

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
60A	055150-147	6831620	TW, Front Pump - "0"	.058	70-On	AR	
60A	055150-188	6831621	TW, Front Pump - "1"	.074	70-On	AR	
60A	055150-230	6831622	TW, Front Pump - "2"	.091	70-On	AR	
60A	055150-272	6831623	TW, Front Pump - "3"	.107	70-On	AR	
60A	055150-312	6831624	TW, Front Pump - "4"	.123	70-On	AR	
60A	055150-355	6831625	TW, Front Pump - "5"	.140	70-On	AR	
N I	055152-015	6837429	TW, Turbine Brg. shim - Gold	.015	70-On	AR	AT543
N I	055152-030	6837430	TW, Turbine Brg. shim - Chrome	.030	70-On	AR	AT543
N I	055152-042	6837431	TW, Turbine Brg. shim - Plain	.042	70-On	AR	AT543
N I	055152-060	6837432	TW, Turbine Brg. shim - Black	.060	70-On	AR	AT543
N I	055152-075	6837433	TW, Turbine Brg. shim - Copper	.075	70-On	AR	AT543
N I	031157	23013454	Washer, 4th clutch driving hub		70-On	AR	

SHAFTS

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
15D	055379	23013474	Shaft - Main		70-On	1	
15D	055379PS	29524363	Shaft - Main (heavy duty)		70-On	1	
16A	055380	29525516	Shaft - Turbine		70-On	1	

HARD PARTS

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
N I	055354A	6831679	Planetary Repair Pin		70-On	4	
N I	055354B	29501499	Planetary Repair Needle Roller		70-On	76	
N I	055354C	6831680	Planetary Repair Washer - steel		70-On	8	
N I	055354D	6839376	Planetary Repair Washer - bronze		70-On	8	
N I	TBA	29541833	Torque Converter Kit - AT545		70-On	1	
N I	TBA	29541338	Pump Body and Gear - AT545		70-On	1	
N I	TBA	29503064	Governor Drive Gear - AT545		70-On	1	
KT	TBA	6883938	Governor gear kit		70-On	1	
89G	TBA	6881466	Governor assembly - ID no 460		70-On	1	
89G	055351	6885570	Governor assembly - ID no 461		70-On	1	

ALLISON

AT540, 542, 543, 545, 1545, VS
1970-On

HARD PARTS

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
89G	055352	6885571	Governor assembly - ID no 462		70-On	1	
85D	TBA	6835936	Sun Gear - Center		70-On	1	
95D	TBA	6884902	Sun Gear - Rear		70-On	1	
83D	TBA	6835937	Sun Gear Shaft		70-On	1	
102 G	TBA	23045906	Deep oil pan - ribbed with heater hole		70-On	1	
102 G	TBA	29501358	Deep oil pan - dual fill tube locations		70-On	1	

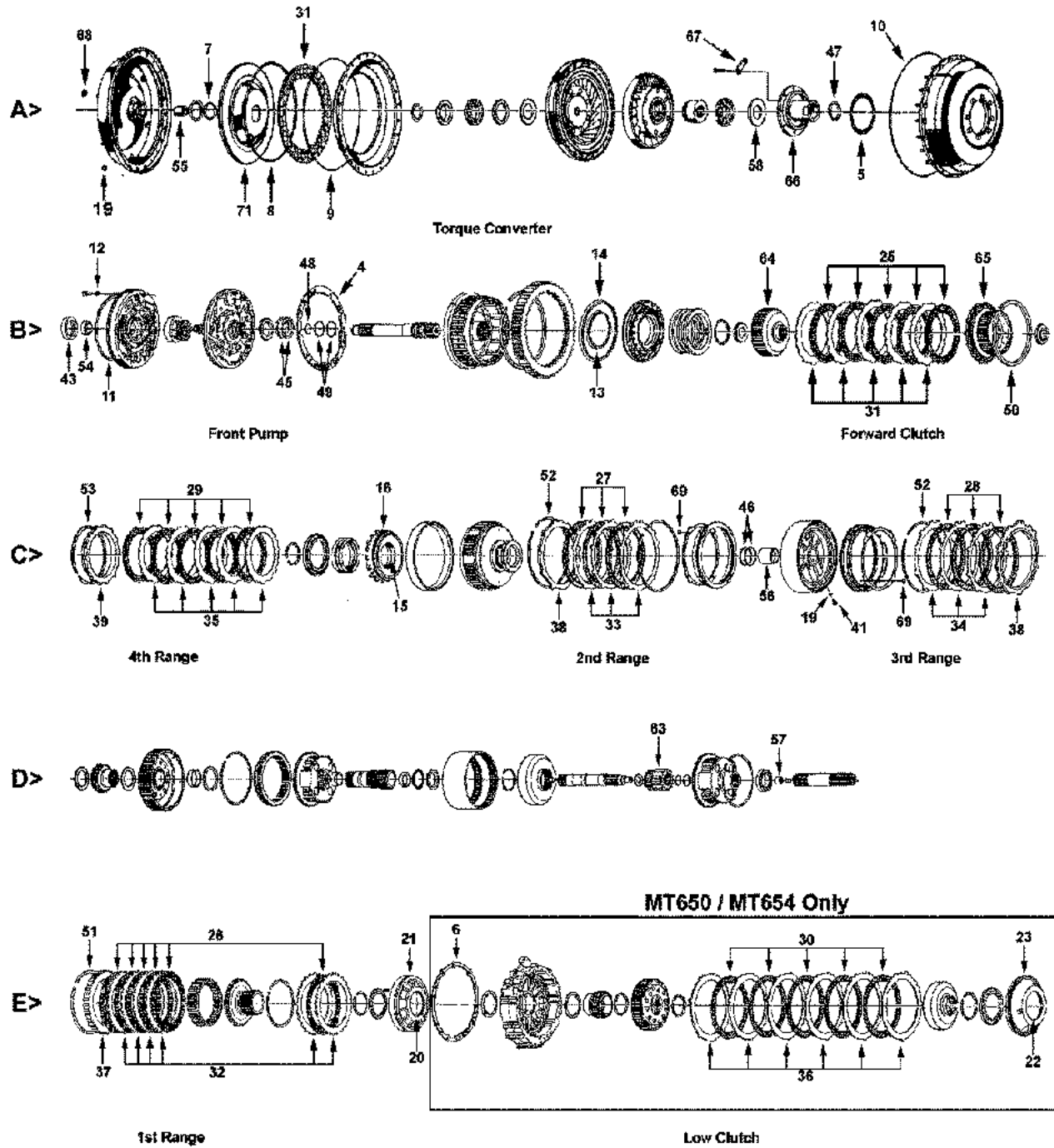
MISCELLANEOUS

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
62G	056565	6883046	Oil Filter tube		70-On	1	
N I	055557	23010915	Torque Converter bolt - Metric	M8	70-On	AR	
N I	055558	6885391	Torque Converter bolt - English	3/8" - 16	70-On	AR	
5A	055003	29512113	Washer, Front pump bolts		70-On	17	
N I	055552	3909063	Washer (Lock), Center support retainer		70-On	8	
91C	055554	6836587	Bolt, Center support to case		70-On	1	
101F	056557	29510838	Bolt, Output shaft		70-On	1	
KT	TBA	NA	Manual Control lever repair kit		70-On	1	
N I	TBA	9436642	Plug for heater hole in pan		70-On	1	

ALLISON

MT640, 643, 644 - 4 Speed

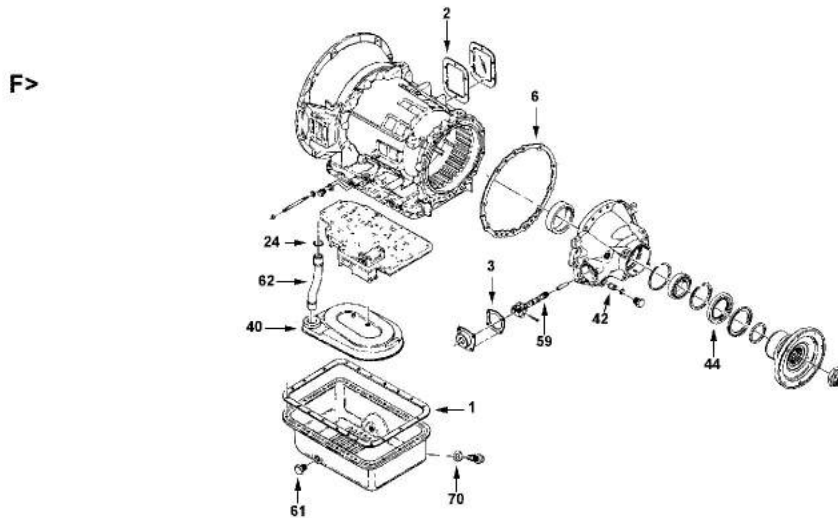
MT650, 653, 654 - 5 Speed



ALLISON

MT640, 643, 644 - 4 Speed

MT650, 653, 654 - 5 Speed



KITS				*Add Suffix SK for Super Kit			
ILL	Description	Years	Friction Module	Steel Module	Overhaul Kit	Banner Kit	Master Kit
KT	Rebuilding Kit - MT640, 643, 650, 653 (contains 1 front pump seal #056401)	72-On	056752D	056753	056800	056901LS	056901
KT	Rebuilding Kit - MT640, 643, 650, 653 (contains 2 front pump seals #056400A & 056401)	72-On	056752D	056753	056800B	056901BLS	056901B
KT	Rebuilding Kit - MT640, 643, 650, 653 with OE Style Gasket Set (contains 2 front pump seals #056400A & 056401)	72-On	056752D	056753	056800A	056901ALS	056901A
KT	Rebuilding Kit - MT644, 654 (Phase 1)	72-On	056752E	056753A	056802	056903LS	056903
KT	Rebuilding Kit - MT654 (Phase 2)	72-On	056752F	056753B	056802	056903ALS	056903A

MISCELLANEOUS GASKETS & KIT COMPONENTS							
ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
1F	055816	29501160	Gasket, Oil pan	Cork/Rub	72-On	1	
1F	055815A	29501160	Gasket, Oil pan - Armstrong (Solid)	Fiber	72-On	1	
1F	055815	29501160	Gasket, Oil pan - Armstrong	Fiber	72-On	1	
2F	055006	29501161	Gasket, PTO cover	Cork/Rub	72-On	1	
2F	055006A	29501161	Gasket, PTO cover - Armstrong	Fiber	72-On	1	
3F	055007	23018625	Gasket, Governor cover	Cork/Rub	72-On	1	
3F	055007A	23018625	Gasket, Governor cover - Armstrong	Fiber	72-On	1	
4B	056001	23046344	Gasket, Front Pump		72-On	1	
N I	056008	6884872	Gasket, Lube valve adapter		72-On	1	
5A	055008	6759971	Gasket, TC Hub - except MT644/654		72-On	1	
5A	056005	6771366	Gasket, TC Hub - MT644/654		72-On	1	
6EF	056007	23045099	Gasket, Adapter to case		72-On	2	
7A	010136B	6770820	O Ring, Lockup clutch - inner	Poly	72-On	1	
N I	056835	NA	Kit, Torque Converter Seal MT643		72-On	1	contains 5 seals
8A	056061	6758036	Lathe Cut, Lockup clutch - outer		72-On	1	
9A	055055	23016564	Lathe Cut, Lockup clutch backing plate		72-On	1	
10A	055055	23016564	Lathe Cut, TC pump cover - except MT644/654		72-On	1	
11B	056050	23016347	Lathe Cut, Front pump to case		72-On	1	
12B	056006	6834908	Washer, Front pump bolt		72-On	12	
KT	001015	NA	Kit, Lipseal		72-On	1	contains 12 Lipseals

ALLISON

MT640, 643, 644 - 4 Speed

MT650, 653, 654 - 5 Speed

MISCELLANEOUS GASKETS & KIT COMPONENTS

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
13B	031052	23015880	Lipseal, Forward clutch - inner		72-On	1	
14B	056058	6833981	Lipseal, Forward clutch - outer		72-On	1	
15C	031052	23015880	Lipseal, 4th Clutch - inner		72-On	1	
16C	056058	6833981	Lipseal, 4th Clutch - outer		72-On	1	
17C	056055	23011471	Lipseal, 2nd & 3rd Clutch - inner		72-On	1	
18C	056056	6883035	Lipseal, 2nd & 3rd Clutch - outer		72-On	1	
20E	056053	6883031	Lipseal, 1st Clutch - inner		72-On	1	
21E	056054	6883033	Lipseal, 1st Clutch - outer		72-On	1	
22E	056053	6883031	Lipseal, Low Clutch - inner		72-On	1	
23E	056056	6883035	Lipseal, Low Clutch - outer		72-On	1	
24F	010216B	6762127	O Ring, Filter tube		72-On	1	
N I	010115B	8658110	O Ring, Modulator		72-On	1	
N I	010116B	6882689	O Ring, Governor feed filter		72-On	1	
68A	056552A	23014462	Nut, Flexplate bolt		72-On	6	
19A	056566	190139	Nut, Torque Converter		72-On	24	

FRICITION CLUTCHES

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
25B	056700C255	23042200	Forward Clutch	.100	72-On	5-6	G3BK - 30T - OD:7.182" - PLI
26E	055704C250	29537887	1st Range - Hardened spline	.100	72-On	6	G3BK - 80T - OD:9.119" - PLI
26E	055724A255	23042199	1st Range	.100	72-On	6	G3BK - 80T - OD:9.119" - PLI
27C	056702C325	6835720	2nd Range	.128	72-On	3-4	G3BK - 50T - OD:10.841" - PLI
		23042201					
28C	056702C325	6835720	3rd Range	.128	72-On	3	G3BK - 50T - OD:10.841" - PLI
		23042201					
29C	056700C255	23042200	4th Range	.100	72-On	4-5	G3BK - 30T - OD:7.182" - PLI
30E	056702C325	6835720	Low Range except phase 2	.128	72-On	5-6	G3BK - 50T - OD:10.841" - PLI
		23042201					
30E	056722B315	23042210	Low Range phase 2 only	.125	72-On	7	G3BK - 71T - OD:10.481" - PLI
31A	056712	23048511	Lockup Clutch (TC) - MT644/654	.205	72-On	1	G3BK - 73T - OD:14.600" - PLI
31A	056712A	23046108	Lockup Clutch (TC) - except MT644/654	.186	72-On	1	G3BK - 56T - OD:12.389" - PLI

STEEL CLUTCHES

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
31B	056701	23016610	Forward	.100	72-On	4-6	18T - ID: 5.530"
32E	056703	23016606	1st Range	.100	72-On	6	36T - ID: 7.333"
33C	056705	23016608	2nd Range	.100	72-On	3-4	11T - ID: 8.825"
34C	056705	23016608	3rd Range	.100	72-On	3	11T - ID: 8.825"
35C	056701	23016610	4th Range	.100	72-On	5-6	18T - ID: 5.530"
36E	056705	23016608	Low Range except Phase 2	.100	72-On	6-7	11T - ID: 8.825"
36E	056705A	23045054	Low Range Phase 2 only	.100	72-On	8	11T - ID: 9.198"

PRESSURE PLATES

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
37E	TBA	23046721	1st Range backing (#5)	.676	72-On	1	
38C	TBA	23046745	2nd & 3rd Range backing - selective (#7)	.482	72-On	1	
38C	TBA	23046746	2nd & 3rd Range backing - selective (#8)	.455	72-On	1	
38C	TBA	23046718	2nd & 3rd Range backing - selective (#9)	.468	72-On	1	

ALLISON

MT640, 643, 644 - 4 Speed

MT650, 653, 654 - 5 Speed

PRESSURE PLATES

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
39C	056763A	29516333	4th Range backing		72-On	1	

FILTER KITS

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
KT	FK056940A	NA	Filter Kit - thick filter OE Style Gsk without tube		72-On	1	
KT	FK056940B	NA	Filter Kit - thick filter Cork Gsk without tube		72-On	1	
KT	FKF153A	NA	Filter Kit - thick filter OE Style Gsk without tube - SPX		72-On	1	
KT	FKF153B	29502302	Filter Kit, thick filter Cork Gsk without tube		72-On	1	OE style
KT	FK056940C	NA	Filter Kit - thick filter for Shallow Pan with tube - OE Style Gsk		72-On	1	
KT	FK056940E	29538491	Filter Kit - thick filter for Deep Pan with tube - OE Style Gsk		72-On	1	

FILTERS

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
40F	056940A	29538474	Filter without tube - AFTMKT		72-On	1	
40F	F153A	6883044	Filter without tube - SPX		72-On	1	
N I	056942	NA	Filter - Deep pan with pipe		72-On	1	
N I	056942X	NL	Filter - Shallow pan with pipe		72-On	1	
41C	056560	23010654	Screen - Center Support		72-On	1	
42F	055553	8624471	Screen - Governor oil (early)		72-On	1	Thimble type
42F	056559	6882687	Screen - Governor oil (late)		72-On	1	Barrel type

METAL CLAD SEALS

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
43B	056400A	23016643	Front Pump	3.885	72-On	1	
43B	056401	23045556	Front Pump	3.378	72-On	1	
43B	056402	6837228	Front Pump	3.362	72-On	1	
44F	055405	6778050	Extension Housing	3.632	72-On	1	MT640/643/644
44F	056405	6773311	Extension Housing	4.758	72-On	1	MT650/653/654

SEALING RINGS

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
KT	056600	NA	Sealing Ring Kit - 4T/4M		72-On	1	AFTMKT
KT	056600A	NA	Sealing Ring Kit - 4V/4M		72-On	1	OE (Vespel®)
KT	056100A	23014632	Sealing Ring Kit - Front Pump/Center Support 4V		72-On	1	OE (Vespel)
45B	056100	NA	Front Pump stator	Teflon	72-On	2	
46C	TBA	23015617	Front Pump Stator	Vespel®	72-On	2	Not available separate
46C	056100	NA	Center Support	Teflon	72-On	2	
46C	TBA	23015617	Center Support	Vespel®	72-On	2	Not available separate
47A	056101	6830187	Torque Converter Hub	Metal	72-On	1	
48B	056102	6839163	Input Shaft	Metal	72-On	1	
49B	056103	6833999	Input Shaft to Forward drum	Metal	72-On	2	

BUSHINGS

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
KT	056625	NA	Bushing Kit		72-On	1	with early front pump
KT	056625A	NA	Bushing Kit - MT640, 650, 653		72-On	1	with OEM front pump
KT	056625B	NA	Bushing Kit - MT644, 654		72-On	1	with OEM front pump

ALLISON

MT640, 643, 644 - 4 Speed

MT650, 653, 654 - 5 Speed

BUSHINGS

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
KT	056630	NA	Bushing Kit - MT640 Series		72-On	1	without front pump
54B	056200	23046153	Front Pump body - MT640, 650, 653		72-On	1	
		29527101					
54B	056200A	23046152	Front Pump body - MT644, 654		72-On	1	
56C	056201	23011924	Center Support		72-On	1	
N I	056202	29516211	Sun Gear		72-On	2	
55A	056203	6756782	Torque Converter cover		72-On	1	
N I	056204	6835385	Front Planetary Cover		72-On	1	
57D	056205	23016859	Output Shaft		72-On	1	
N I	056207	6835398	Low Planetary		72-On	1	

WASHERS

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
N I	056635	NA	Washer Kit (4)		72-On	1	
N I	056151	6839364	Washer - Front Planetary Sun Gear		72-On	AR	Bronze
N I	056152	6835386	Washer		72-On	AR	Bronze
N I	056153	6834389	Washer		72-On	AR	Bronze 2.191" ID
N I	056154	9432512	Washer race roller bearing		72-On	AR	Bronze
58A	055152-015	6837429	Spacer, TC turbine	.015	72-On	AR	Gold
58A	055152-030	6837430	Spacer, TC turbine	.030	72-On	AR	Silver
58A	055152-042	6837431	Spacer, TC turbine	.042	72-On	AR	Plain
58A	055152-060	6837432	Spacer, TC turbine	.060	72-On	AR	Black
58A	055152-075	6837433	Spacer, TC turbine	.075	72-On	AR	Copper

SHAFTS

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
N I	056379	23013456	Shaft - Main 640, 643, 650, 653		72-On	1	
N I	056379A	23017699	Shaft - Main 644, 647, 654		72-On	1	
N I	056380	23012785	Shaft Turbine Alli MT643		72-On	1	

HARD PARTS

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
59F	055351	6885570	Governor Assembly - ID # 461		72-On	1	
59F	055352	6885571	Governor Assembly - ID # 462		72-On	1	
59F	056302	6885572	Governor Assembly - ID # 463		72-On	1	
59F	056303	6881471	Governor Assembly - ID # 465		72-On	1	
59F	056304	6882737	Governor Assembly - ID # 738		72-On	1	Brass
59F	056305	6882736	Governor Assembly - ID # 739		72-On	1	Brass
N I	055354A	6831679	Planetary Repair Pin		72-On	4	
N I	055354B	29501499	Planetary Repair Needle Roller		72-On	76	
N I	055354C	6831680	Planetary Repair Washer - steel		72-On	8	
N I	055354D	6839376	Planetary Repair Washer - bronze		72-On	8	
60F	056350	23045906	Deep oil pan - ribbed with heater hole		72-On	1	
60F	056350A	29501358	Deep oil pan - dual fill tube locations		72-On	1	
63D	056352	6883901	Sun Gear - rear planetary (except MT653)		72-On	1	
N I	TBA	29516215	Sun Gear - shaft assembly		72-On	1	
64B	056353	6834222	Forward clutch drive hub		72-On	1	
65B	056354	6834221	4th Range clutch drive hub		72-On	1	
65B	056354A	23017267	4th Range clutch drive hub		72-On	1	use with 18T piston

ALLISON

MT640, 643, 644 - 4 Speed

MT650, 653, 654 - 5 Speed

HARD PARTS

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
N I	056358	23014527	Ground sleeve with bearing - use with 056356		72-On	1	
N I	056359	29507674	Ground sleeve with bearing - MT644/654		72-On	1	(23014306)

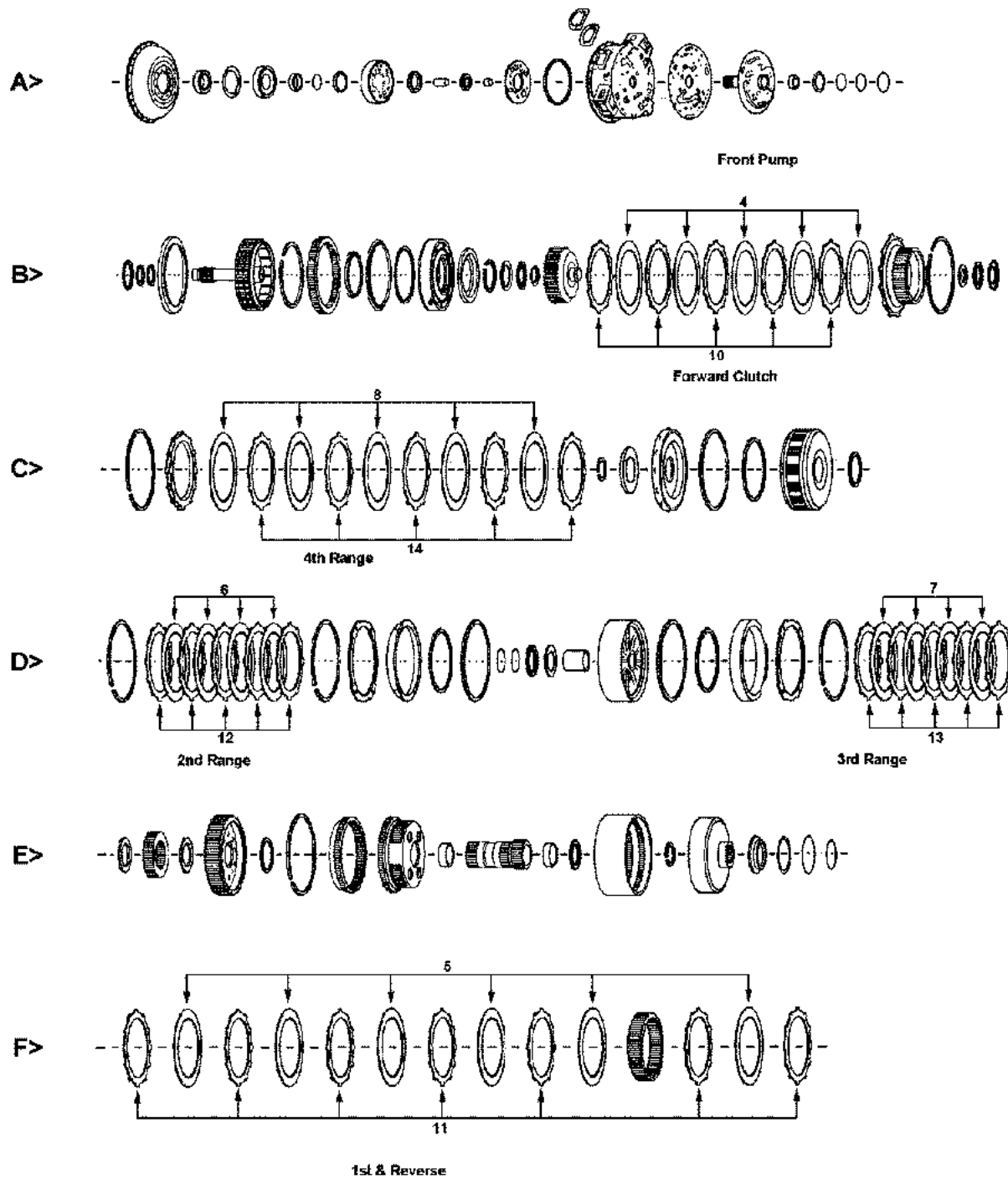
MISCELLANEOUS

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
62F	056564	6883045	Oil Filter tube (updates prior to S/N 58071)		72-On	1	
61F	056306	29501131	Plug for heater hole in pan		72-On	1	
66A	056356	23016722	Converter Hub, (bolt on) MT643/653		72-On	1	
66A	056357	23017446	Converter Hub, MT654		72-On	1	
N I	056672	23013906	Converter Hub, MT654		72-On	1	
67A	055555	6769631	Lock strip, TC hub bolt		72-On	4	
69C	055552	3909063	Retainer, center support bolts		72-On	8	Black
N I	056553	23013398	Bolt, Center support to case	2.5	72-On	1	
N I	056555	23045343	Bolt, Center support to case	3.0"	72-On	1	
N I	056557	29510838	Bolt, Output shaft		72-On	1	
N I	056558	29500739	Washer, Output shaft bolt		72-On	1	
70F	056009	29507909	Washer, Drain plug		72-On	1	
N I	056307	29513517	Accordian Spring, TC stator freewheel unit	.896"	72-On	1	MT640, MT643
N I	056308	6774966	Accordian Spring, TC stator freewheel unit		72-On	1	MT640,643,650.653
KT	056466	23017610	Manual Control Lever repair kit		72-On	1	Shaft & Nut
N I	001033	23018535Kit	Spring, Stator Freewheel Unit - 10 Pc. Kit		72-On	1	

ALLISON

HT740, 747, 750, 754, V730

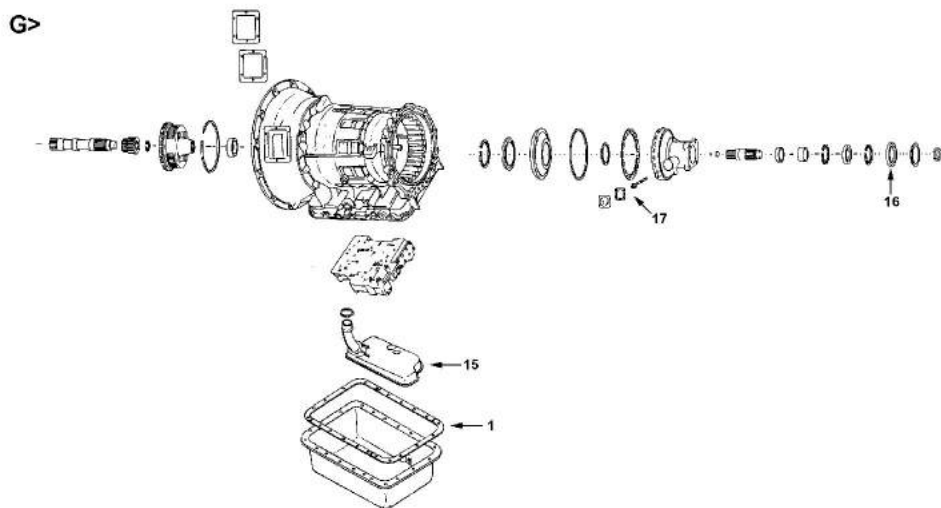
1972-On



ALLISON

HT740, 747, 750, 754, V730

1972-On



KITS		*Add Suffix SK for Super Kit					
ILL	Description	Years	Friction Module	Steel Module	Overhaul Kit	Banner Kit	Master Kit
KT	Rebuilding Kit - with Forward & 4th Range Hardened Spline Frictions, Excludes 750DR	72-On	056752G	056753C	056804B	056905LS	056905
KT	Rebuilding Kit HT754 - with Forward & 4th Range Hardened Spline Frictions	72-On	056752G	056753C	056804E	056907LS	056907
KT	Rebuilding Kit HT740-770 - with Extra Low Clutch	72-On	056752GX	NA	NA	NA	NA

MISCELLANEOUS GASKETS & KIT COMPONENTS

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
1G	056816	23010652	Gasket, Oil Pan		72-On	1	
1G	056815	23010652	Gasket, Oil Pan- Armstrong	Fiber	72-On	1	
1G	056815A	23010652	Gasket, Oil Pan- Armstrong (Solid)	Fiber	72-On	1	
2G	055006	29501161	Gasket, PTO cover	Cork/Rub	72-On	1	
2G	055006A	29501161	Gasket, PTO cover - Armstrong	Fiber	72-On	1	
3G	055007	23018625	Gasket, Governor cover	Cork/Rub	72-On	1	
3G	055007A	23018625	Gasket, Governor cover	Fiber	72-On	1	

FRICTION CLUTCHES

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
4B	055724A255	23042199	Forward	.100	72-On	6	G3BK - 80T -OD: 9.119" - PLI
4B	055704C250	29537887	Forward with hardened spline	.100	72-On	5	G3BK - 80T -OD: 9.119" - PLI
5F	056710B380	23010439	1st Range	.148	72-On	6	G3BK - 62T -OD:12.557" - PLI
		23041786					
6D	056710B380	23010439	2nd Range	.148	72-On	6	G3BK - 62T -OD:12.557" - PLI
		23041786					
7D	056710B380	23010439	3rd Range	.148	72-On	4	G3BK - 62T -OD:12.557" - PLI
		23041786					
8C	055704C250	29537887	4th Range with hardened spline	.100	72-On	5	G3BK - 80T -OD: 9.119" - PLI

STEEL CLUTCHES

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
10B	056713	6834679	Forward	.103	72-On	5	14T - ID: 7.206"
11F	056711	23047771	1st Range	.103	72-On	7	38T - ID: 10.825"
11F	056711A	23047772	1st Range - selective	.120	72-On	AR	38T - ID: 10.825"
12D	056715	6834488	2nd Range	.103	72-On	AR	16T - ID: 10.746"

ALLISON

HT740, 747, 750, 754, V730

1972-On

STEEL CLUTCHES

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
12D	056715A	6834720	2nd Range	.120	72-On	AR	16T - ID: 10.746"
13D	056715	6834488	3rd Range	.103	72-On	AR	16T - ID: 10.746"
13D	056715A	6834720	3rd Range	.120	72-On	AR	16T - ID: 10.746"
14C	056713	6834679	4th Range	.103	72-On	5	14T - ID: 7.206"

PRESSURE PLATES

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
N I	056762	23011235	4th Range Backing Plate		72-On	AR	

FILTERS

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
N I	056942A	29532584	Filter - lo aluminum pan w/8" Tube		72-On	1	
15G	056944	6839636	Filter - w/6" Tube		72-On	1	
15G	056944A	23013625	Filter - w/7" Tube		72-On	1	

METAL CLAD SEALS

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
N I	056403	23016947	Front Pump		72-On	1	
G16	056405	6773311	Rear Cover		72-On	1	
N I	032410C	23010610	Manual Lever		72-On	1	

HARD PARTS

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
17G	055351	6885570	Governor Assembly - ID # 461		72-On	1	
17G	055352	6885571	Governor Assembly - ID # 462		72-On	1	
17G	056302	6885572	Governor Assembly - ID # 463		72-On	1	

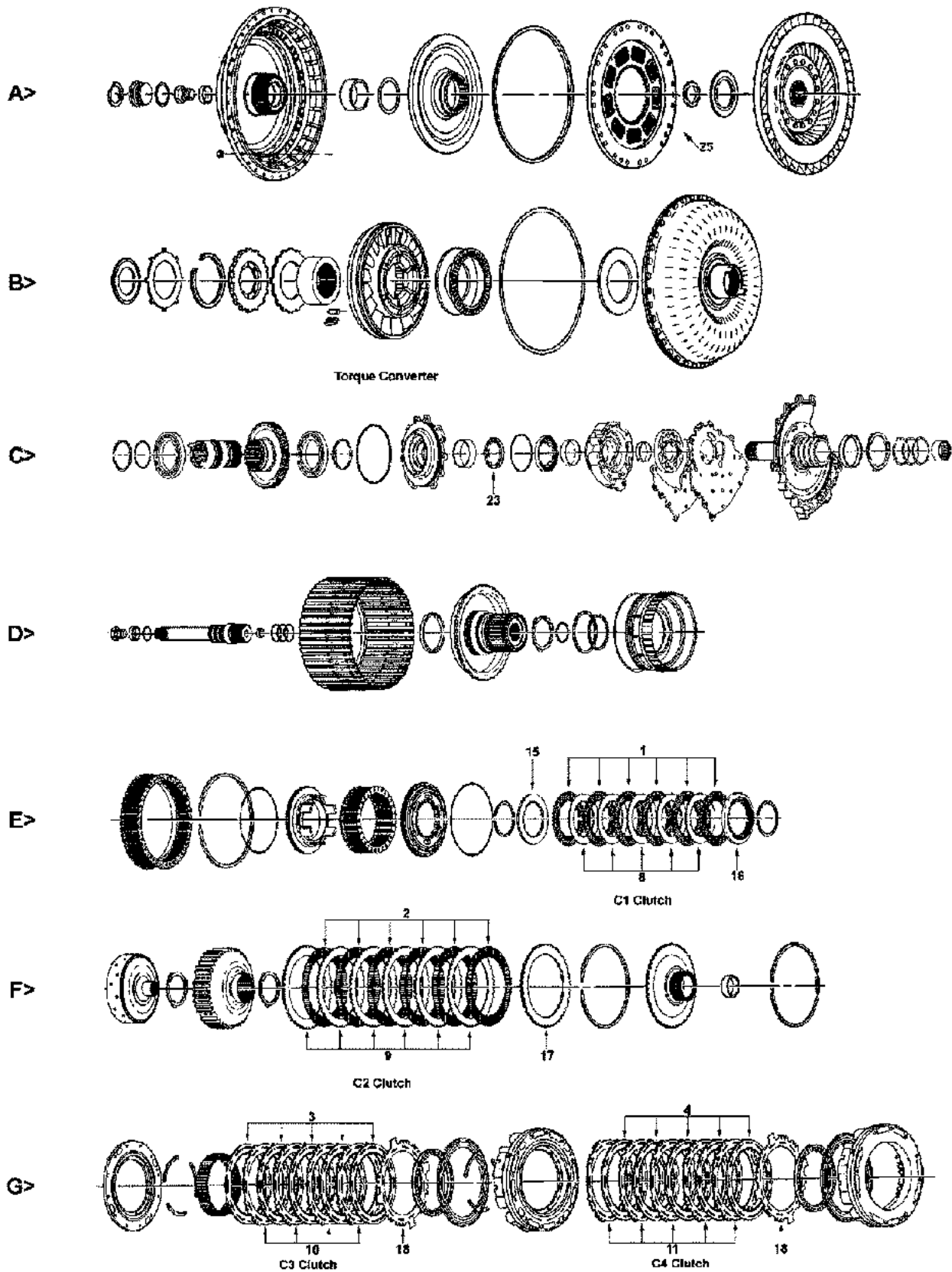
MISCELLANEOUS

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
N I	001033	23018535Kit	Spring, Stator Freewheel Unit - 10 Pc. Kit		72-On	1	
N I	001034	6837976Kit	Roller, Stator Freewheel Unit - 10 Pc. Kit		72-On	1	

ALLISON WORLD

MD3060, 3066, 3070, 3560

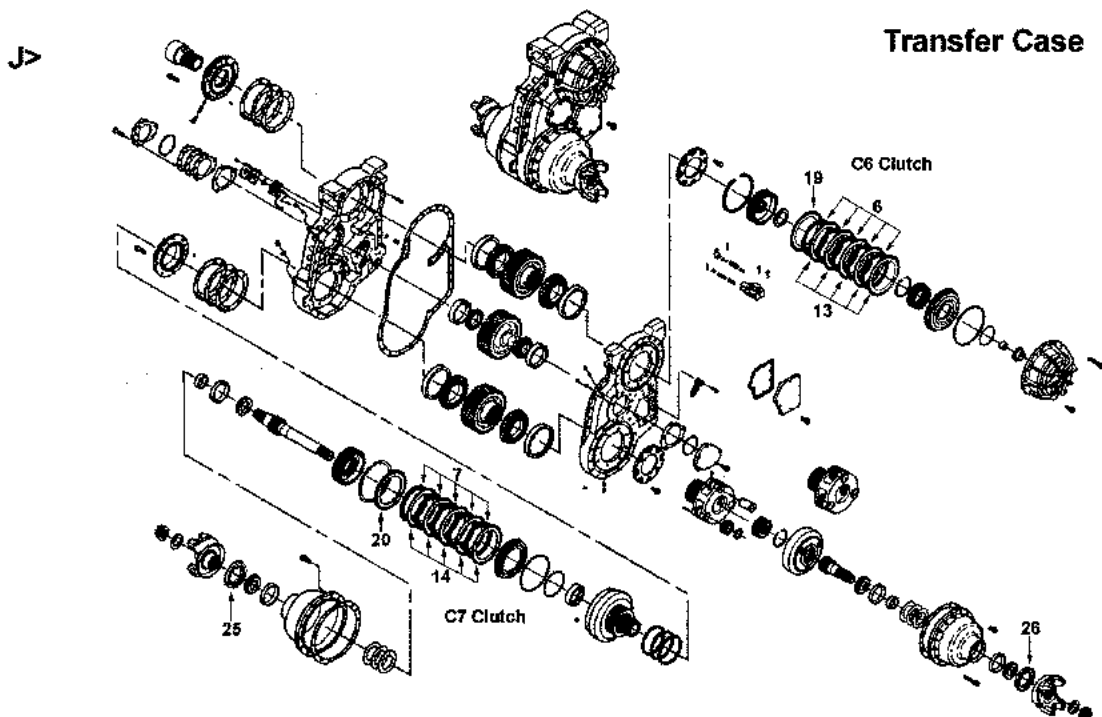
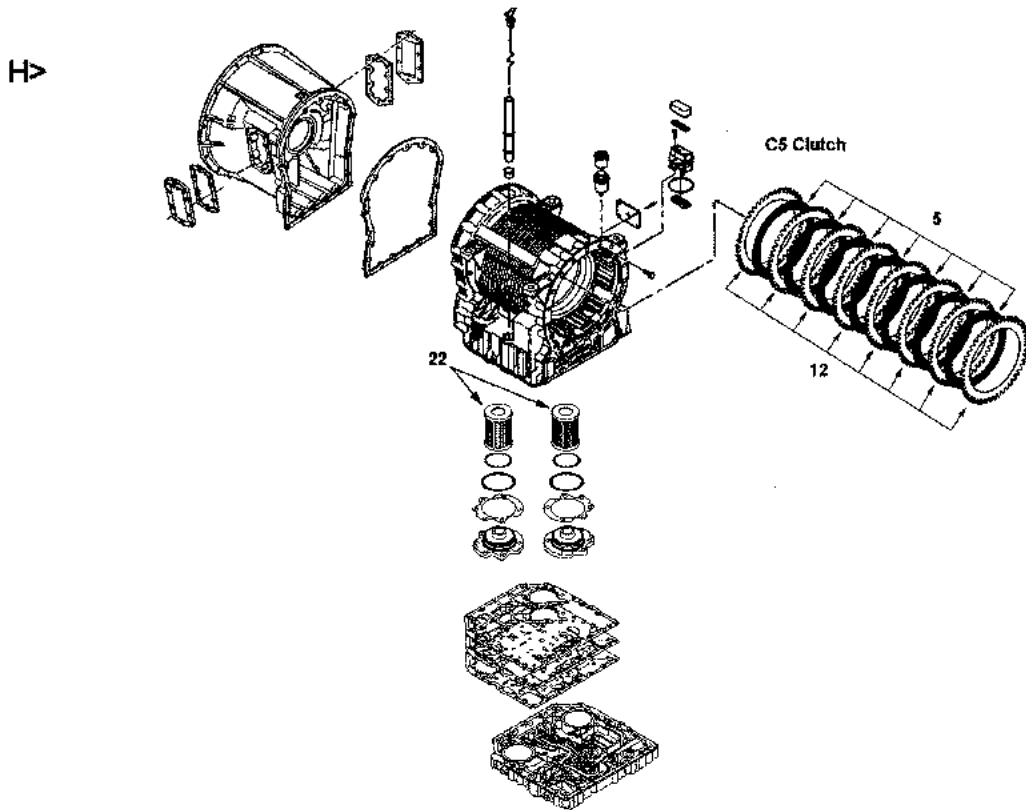
B300, 400, 3000MH, 3000RDS 1995-On



ALLISON WORLD

MD3060, 3066, 3070, 3560

B300, 400, 3000MH, 3000RDS 1995-On



ALLISON WORLD

MD3060, 3066, 3070, 3560

B300, 400, 3000MH, 3000RDS 1995-On

KITS *Add Suffix SK for Super Kit							
ILL	Description	Years	Friction Module	Steel Module	Overhaul Kit	Banner Kit	Master Kit
KT	Rebuilding Kit - 3rd Generation: Transmission only with OE style gasket set & control module	95-On	148752	148753	148800X	148901XLS	148901X
KT	Rebuilding Kit - 3rd Generation: Transmission only with OE style gasket set & control module w/ Wider ID C2	95-On	148752A	148753	148800X	148901AXLS	148901AX
KT	Kit - 3rd Generation Control Module	95-On			148801V		
KT	Kit - 4th Generation Control Module	06-On	148752A	148753A	148802X	148903XLS	148903X

FRICION CLUTCHES

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
1E	148700A250	29536334	C1 Clutch - 2 teeth removed	.098	95-On	6	G3BK - 44T - OD: 7.072" - PLI
		23045588					
2F	148702-250	29516170	C2 Clutch	.098	95-On	6	G3BK - 84T - OD: 9.950" - PLI
2F	148712-250	29536335	C2 Clutch - 2 teeth removed	.098	00-On	6	G3BK - 82T - OD: 10.5350" - PLNI
3G	148704A250		C3 Clutch - 2 teeth removed	.098	95-On	5	G3BK - 75T - OD: 9.550" - SM
3G	148704-250	29516171	C3 Clutch - 1 tooth removed	.098	95-On	5	G3BK - 76T - OD: 9.550" - SM
		29536336					
4G	148704A250		C4 Clutch - 2 teeth removed	.098	95-On	5	G3BK - 75T - OD: 9.550" - SM
4G	148704-250	29516171	C4 Clutch - 1 tooth removed	.098	95-On	5	G3BK - 76T - OD: 9.550" - SM
		29536336					
5H	148706-320	29516172	C5 Clutch	.127	95-On	7	G3BK - 81T - OD: 10.00" - PLI
		29536337					
6J	148710-400	23048735	C6 Clutch (Transfer Case)	.157	95-On	5	G3BK - 34T - OD: 8.589" - PLI
7J	055702B246	23042198	C7 Clutch (Transfer Case)	.098	95-On	5	G3BK - 60T - OD: 8.150" - PLI
		29530092					

STEEL CLUTCHES

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
8E	148701-245	23045589	C1 Clutch	.095	95-On	5	44T - ID: 4.231"
9F	148703-245	29503141	C2 Clutch	.095	95-On	6	48T - ID: 8.540"
10G	148705-250	29501423	C3 Clutch - Gen 4	.098	95-On	5	24T - ID: 7.700"
10G	148705A333	NA	C3 Clutch	.130"	95-On	5	24T - ID: 7.700"
11G	148705-250	29501423	C4 Clutch	.098	95-On	5	24T - ID: 7.700"
11G	148705A333	NA	C4 Clutch - Gen 4	.130"	95-On	6	24T - ID: 7.700"
12H	148707-248	23045573	C5 Clutch	.097	95-On	8	48T - ID: 8.165"
13J	148711-250	29506073	C6 Clutch (Transfer Case)	.098	95-On	5	40T - ID: 7.090"
14J	148709-220	29502156	C7 Clutch (Transfer Case)	.086	95-On	5	67T - ID: 6.580"

PRESSURE PLATES

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
15E	TBA	29534575	C1 Clutch - backing (MD models)	.315	98-On	1	stepped (retros)
N I	TBA	29539665	C1 Clutch - backing (MD models)	.545	98-On	1	22T - OD: 6.500"
15E	TBA	29534572	C1 Clutch - backing (HD models)	.315	98-On	1	stepped (retros)
16E	TBA	29534574	C1 Clutch - apply (MD models)	.178	98-On	1	22T - OD: 6.497" flat (retros)
16E	TBA	29534573	C1 Clutch - apply (HD models)	.157	98-On	1	flat (retros)
17F	TBA	23049224	C2 Clutch - apply (without PTO)		95-On	1	
17F	148761-630	23048530	C2 Clutch - apply (with PTO)	.249	95-On	1	
18G	148762-345	29501424	C3/C4 Clutch - apply	.136	95-On	2	
19J	TBA	29506074	C6 Clutch - backing		95-On	1	
20J	TBA	29508167	C7 Clutch - backing		95-On	1	

ALLISON WORLD

MD3060, 3066, 3070, 3560

B300, 400, 3000MH, 3000RDS 1995-On

FILTERS KITS

ILL	ALTO No.	REF No.	Description	Spec	Year	Notes
KT	FK148942A	29540494	Filter - 6"		95-On	

METAL CLAD SEALS

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
23C	148400	29507528	Front Pump		95-On	1	
24H	148405	29515690	Extension Housing - 4.738"		95-On	1	
N I	148406	29545518	Extension Housing - 3.750"		95-On	1	
25J	148425	29503336	Front Output (Transfer Case)		95-On	1	
26J	148425	29503336	Rear Output (Transfer Case)		95-On	1	

BUSHINGS

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
N I	148200	29533975	Oil Pump Housing - B300		95-On	1	

ELECTRONIC CONTROL COMPONENTS

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
N I	148501	29545638	Solenoid, Forward Assembly		95-On	1	

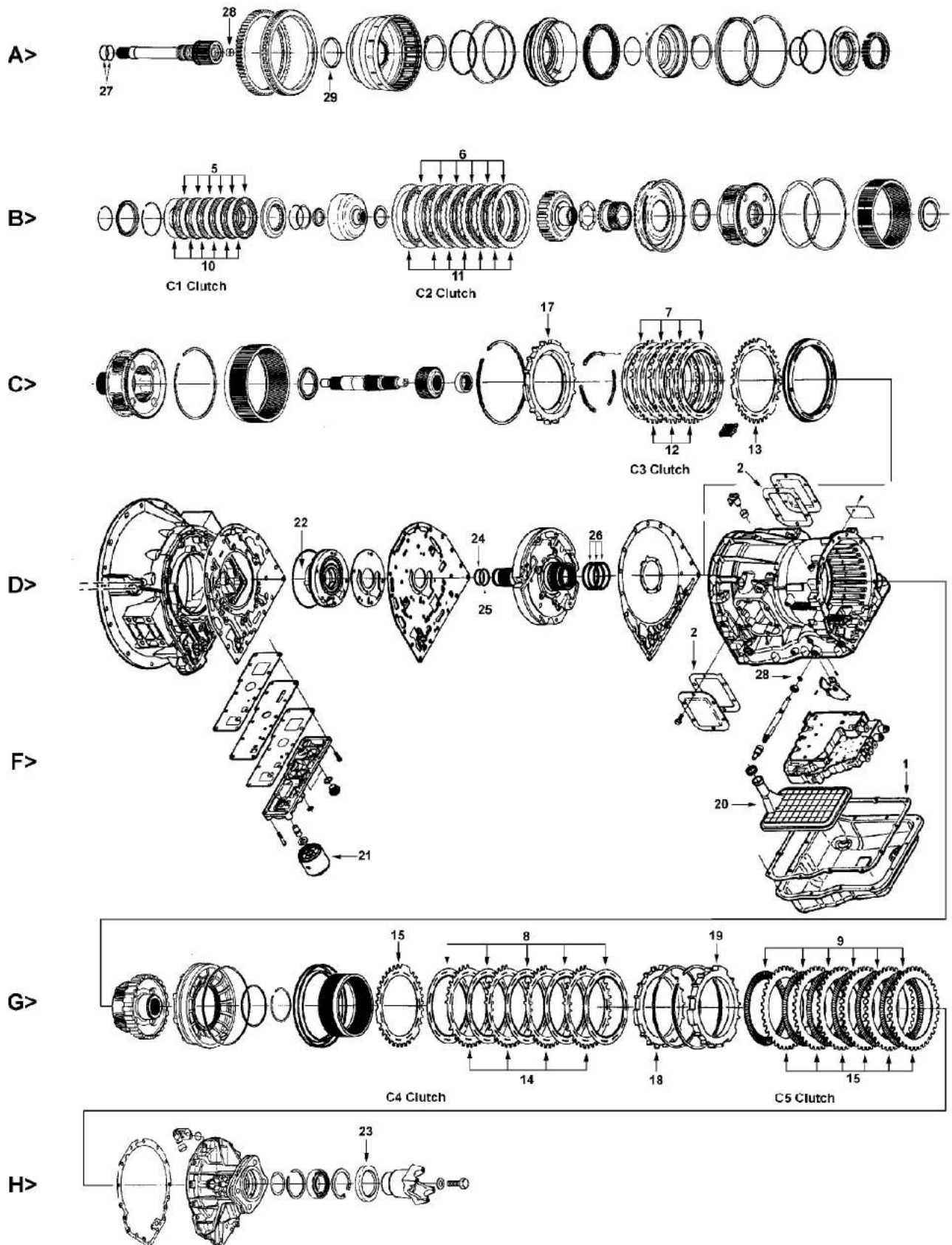
HARD PARTS

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
N I	TBA	29501543	Shaft, Main		95-On	1	
N I	148375	29513484	Shaft, Stator support		95-On	1	

ALLISON

1000, 2000, 2400 SERIES

1999-On



ALLISON

1000, 2000, 2400 SERIES

1999-On

KITS *Add Suffix SK for Super Kit

ILL	Description	Years	Friction Module	Steel Module	Overhaul Kit	Banner Kit	Master Kit
KT	Rebuilding Kit without Bonded Pistons	99-05	152752	152753	152800	152901LS	152901
KT	Rebuilding Kit with Bonded Pistons	99-05	152752	152753	152800A	152901ALS	152901A
KT	Rebuilding Kit without Bonded Pistons	06-09	152752	152753	152802	152903LS	152903
KT	Rebuilding Kit with Bonded Pistons	06-09	152752	152753	152802A	152903ALS	152903A
KT	Rebuilding Kit with Bonded Pistons	10-On	152752A	152753A	152804A	152905ALS	152905A
KT	Rebuilding Kit without Bonded Pistons	10-On	152752A	152753A	152802	152905LS	152905

MISCELLANEOUS GASKETS & KIT COMPONENTS

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
1F	152816	29536526	Gasket, Oil Pan		99-On	1	
2D	055006	29501161	Gasket, PTO cover	Cork/Rub	99-On	2	
2D	055006A	29501161	Gasket, PTO cover - Armstrong	Fiber	99-On	opt.	

FRICTION CLUTCHES

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
5B	152700-250	29530312	C1 Clutch - external Teeth	.098	99-09	6	Red - 36T - ID: 3.230" - PLNI
		29538468					
5B	152700-178	29546276	C1 Clutch	.070	10-On	7	Red - 36T - ID: 3.230" - SB
6B	152702-248	29530313	C2 Clutch	.097	99-On	6	Red - 24T - OD: 7.500" - PLNI
		29538469					
7C	152704W183	29546270	C3 Clutch - Red Eagle® - waved	.072	10-On	4	Red - 117T - OD: 8.670" - SM - Waved
8G	152704W183	29546270	C4 Clutch - Red Eagle® - waved	.072	10-On	5	Red - 117T - OD: 8.670" - SM - Waved
8G	152704-246	29531049	C4 Clutch - Red Eagle®	.097	99-On	5	Red - 117T - OD: 8.670" - SM
7C	152704-246	29531049	C3 Clutch - Red Eagle®	.097	99-09	4	Red - 117T - OD: 8.670" - SM
9G	152706-180	29537393	C5 Clutch - Red Eagle®	.071	99-On	6	Red - 115T - OD: 8.670" - SB
9G	152706-250	29537393	C5 Clutch - Red Eagle®	.098	99-On	6	Red - 115T - OD: 8.670" - SB

FRICTION CLUTCHES- HI-PERFORMANCE

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
NI	152700D170	NA	C1 Clutch - Internal Spline	.067	01-On	8	G3BR - 34T - OD: 4.743"
NI	152700-178	NA	C1 Clutch - Internal Spline	.067	01-On	8	G3BR - 34T - OD: 4.743"
NI	152701A170	NA	C1 Clutch , One Sided	.067	01-On	8	G3BR - 36T - ID: 2.916"
NI	152701D170	NA	C1 Clutch - External Spline	.067	01-On	8	G3BR - 36T - OD: 5.049"
NI	152704-213	NA	C3/C4 Clutch - Internal Spline	.084	01-On	7	G3BR - 108T - OD: 8.670" - PLNI
NI	152704A216	NA	C3/C4 Clutch - Internal Spline	.085	99-09	12	G3BR - 24T - OD: 8.670" - PLNI
NI	152706A180	NA	C5 Clutch - Internal Spline	.071	99-09	8	G3BR - 115T - OD: 8.660" - PLNI
NI	152702B185	NA	C2 Clutch - Internal Spline	.073	99-09	8	G3BR - 24T - OD: 7.50" - PLNI

STEEL CLUTCHES

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
10B	152701-218	29530314	C1 Clutch - Internal Teeth	.086	99-On	6	34T - OD: 4.743"
11B	152703-218	29530315	C2 Clutch	.086	99-On	7	42T - ID: 6.302"
12C	152705A170	NA	C3, C4 Clutch	.067	99-09	3	27T - ID: 7.111"
12C	152705-250	29531048	C3 Clutch	.098	99-09	3	27T - ID: 7.111"
12C	152705C250	29546701	C3 Clutch	.098	10-On	4	27T - ID: 7.112"
14G	152705-250	29531048	C4 Clutch	.098	99-09	4	27T - ID: 7.111"
14G	152705C250	29546701	C4 Clutch	.098	10-On	6	27T - ID: 7.112"
15G	TBA	29531046	C4 Clutch - wave		99-On	1	27T
16G	152707-250	29536482	C5 Clutch	.098	99-On	5-6	36T - ID: 7.108"

ALLISON**1000, 2000, 2400 SERIES****1999-On****STEEL CLUTCHES**

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
16G	152707-200	29536481	C5 Clutch - selective	.078	99-On	AR	36T - ID: 7.108"
16G	152707-300	29536483	C5 Clutch - selective	.118	99-On	AR	36T - ID: 7.108"

STEEL CLUTCHES- HI-PERFORMANCE

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
16G	152703K170	NA	C2 Clutch	.067	99-On	8	42T - ID 6.302" -Kolene
16G	152703K218	NA	C2 Clutch	.086	99-On	7	42T - ID 6.302" -Kolene
16G	152705A170	NA	C3-C4 Clutch - No Slots	.067	99-On	1	27T - ID: 7.111"
16G	152705A218	NA	C3-C4 Clutch - No Slots	.086	99-On	1	27T - ID: 7.111"
16G	152705A250	NA	C3-C4 Clutch - No Slots	.098	99-On	1	27T - ID: 7.111"
16G	152705AK170	NA	C3-C4 Clutch - No Slots	.067	99-On	AR	27T - ID: 7.111" - Kolene
16G	152705AK218	NA	C3-C4 Clutch - No Slots	.086	99-On	5	27T - ID: 7.111" - Kolene
16G	152705AK250	NA	C3-C4 Clutch - No Slots	.098	99-On	AR	27T - ID: 7.111" - Kolene
16G	152705K170	NA	C3-C4 Clutch - No Slots	.067	99-On	4	27T - ID: 7.111" - Kolene
16G	152705K250	NA	C3-C4 Clutch - No Slots	.098	99-On	2	27T - ID: 7.111" - Kolene
16G	152707K200	NA	C5 Clutch	.078	99-On	AR	36T - ID 7.106" - Kolene
16G	152761-254	NA	C1 Clutch	.465	99-On	8	17T - OD 4.726"
16G	152761-500	NA	C1 Clutch	.098	99-On	1	34T - OD 4.743"

PRESSURE PLATES

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
N I	152766	29538521	C1 Clutch- top		99-On	1	
N I	152766C	29538521	C1 Clutch- bottom		99-05	1	
N I	152761P115	NA	C1 Clutch- top-selective	.453	99-On	1	
N I	152762A500	NA	C2 Clutch	.199	99-On	1	42T- ID: 6.302"
13C	152761B635	NA	C3 Clutch, C4 Clutch - apply	.250	99-On	1	30T
13C	152761L3175	29535637	C3 Clutch, C4 Clutch - apply	.125	99-On	1	30T with slots
NI	152763P102		C3 Clutch - Internal Spline	.400	99-On	1	15T - ID: 6.221"
17C	TBA	29535639	C3 Clutch - backing		99-On	1	
18G	TBA	29535640	C4 Clutch - backing		99-On	1	
19G	TBA	29531058	C5 Clutch - backing		99-On	1	

OEI® Original Equipment Improvements

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
KT	152755	NA	PowerPack® C1 Clutch		99-05	1	
KT	152755A	NA	PowerPack® C1 Clutch		06-On	1	
KT	152755B	NA	PowerPack® C1 Clutch - G3		99-On	1	
KT	152756	NA	PowerPack® C2 Clutch		99-05	1	
KT	152756A	NA	PowerPack® C2 Clutch		06-On	1	
KT	152756B	NA	PowerPack® C2 Clutch - G3		99-On	1	
KT	152757	NA	PowerPack® C3 Clutch		99-05	1	
KT	152757A	NA	PowerPack® C3 Clutch		06-On	1	
KT	152757B	NA	PowerPack® C3 Clutch - G3		99-On	1	
KT	152758	NA	PowerPack® C4 Clutch		99-05	1	
KT	152758A	NA	PowerPack® C4 Clutch		06-On	1	
KT	152758B	NA	PowerPack® C4 Clutch - G3		99-On	1	
KT	152759	NA	PowerPack® C5 Clutch		99-On	1	
KT	152759B	NA	PowerPack® C5 Clutch - G3		99-On	1	
KT	152985	SK®	VB Shift Kit SK® Allison-Jr - 1000 Series	Transgo®	05-On	1	
KT	152986	SK®	VB Shift Kit SK® Allison Shift Kit - 1000-2400 Series	Transgo®	01-04	1	

ALLISON

1000, 2000, 2400 SERIES

1999-On

SHAFTS

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
N I	152378	NA	Output Shaft		99-On	1	
N I	152378HP	NA	Output Shaft Hi-Performance for 4WD		99-On	1	300M

FILTERS

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
20F	152940	29537617	Filter - Deep pan		99-05	1	
		29537966					
20F	152940A	29542824	Filter - Deep pan		06-On	1	Retro fits back to 99-On
20F	152941	29537514	Filter - Shallow pan		99-05	1	
		29537965					
20F	152941A	29542833	Filter - Shallow pan		06-On	1	Retro fits back to 99-On
21F	152942	29537268	Filter - Spin on		99-On	1	

METAL CLAD SEALS

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
22D	152400	29536299	Front Pump		99-On	1	
23H	152405	29536379	Extension Housing		99-On	1	
28D	032410C	23010610	Manual Lever		99-On	1	

SEALING RINGS

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
KT	152600	NA	Kit		99-On	1	
24D	152100	29531037	Front Pump stator - Front	Vespel®	99-On	1	comes in kit 29536405
25D	152101	29531038	Front Pump stator - Front	Vespel®	99-On	1	
26D	152102	29531036	Front Pump stator - Rear	Vespel®	99-On	3	
27A	152100	29531037	Input Shaft	Vespel®	99-On	2	comes in kit 29536405

BUSHINGS

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
N I	152200	29536703	Front Pump body		99-On	1	
N I	152201	29534369	Stator Support - rear	33.8mm	99-On	1	
28A	152202	29531084	Input Shaft - rear	20mm	99-On	1	
29A	152203	29531072	C1/C2 Clutch drum		99-On	1	
N I	152204	19531005	Output Shaft		99-On	1	

ELECTRONIC CONTROL COMPONENTS

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
N I	062504	24212690	Solenoid TCC/PWM (BW)		99-On	1	

PISTONS

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
N I	152670	NA	Piston Kit		99-05	1	4 Pistons
N I	152670A	NA	Piston Kit		06-11	1	3 Pistons
N I	152670B	NA	Piston Kit		10-On	1	3 Pistons
N I	152300	29536203	Piston C1 Balance 5 Speed		99-05	1	
N I	152300A	29542815	Piston C1 Balance 6 Speed		06-On	1	
N I	152301	29536105	Piston C2 Balance 5 Speed		99-05	1	
N I	152302	29536105	Piston C3, C4 Clutch Apply		99-05	1	
N I	152303	29537394	Piston C3, C4 Clutch 5 Speed,6 Speed		99-09	1	
N I	152303A	29546697	Piston C3, C4 Clutch Apply		10-On	1	

ALLISON

500, 500P, 500R, 500PR

4000EVS, 4000HS, 4000MH, 4000RDS 1995-On

KITS								*Add Suffix SK for Super Kit
ILL	Description	Years	Friction Module	Steel Module	Overhaul Kit	Banner Kit	Master Kit	
KT	Rebuilding Kit	95-05	149752	149753	149800	149901LS	149901	
KT	Rebuilding Kit	06-On	149752	149753A	149802	149903LS	149903	

FRICTION CLUTCHES							
ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
N I	149700-322	29511462	C1 - external spline	.125/3.18	95-On	7	G3BK - 38T - ID: 5.203" - PLI
		29536338					
N I	149702-322	29505823	C2 Clutch	.127/3.23	95-On	7	G3BK - 98T - OD: 12.368" - PLI
		29536339					
N I	149704-381	29529291	C3 Clutch, C4 Clutch	.151/3.84	95-On	5/5	G3BK - 76T - OD: 12.632"
		29536340					
N I	149706-381	29541825	C5 Clutch (hardened spline)	.149/3.78	95-On	8	G3BK - 78T - OD: 12.367" - PLNI
		29527014					
		29536341					

STEEL CLUTCHES							
ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
N I	149701-246	29536347	C1 Clutch - internal spline	.097/2.46	95-On	6	48T - OD: 7.484"
N I	149703-249	29536348	C2 Clutch	.098/2.5	95-On	7	56T - ID: 10.047"
N I	149705-246	29536349	C3 Clutch, C4 Clutch	.097/2.5	95-On	4/5	24T - ID: 10.992"
N I	149705A330	29542506	C3 Clutch, C4 Clutch	.130/3.30	06-On	11	20T - ID: 11.001"
N I	149707-251	29536350	C5 Clutch	.097/2.5	95-On	9	56T - ID: 10.992"
N I	TBA	29506616	Torque Converter		95-On		
N I	TBA	29501543	Mainshaft		95-On		

ALLISON

CLBT 700 SERIES

KITS

ILL	Description	Friction Module	Steel Module	Overhaul Kit	Banner Kit	Master Kit
NI	Rebuilder Kit	352752	352753	352800	352901LS	352901

MISCELLANEOUS GASKETS & KIT COMPONENTS

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
NI	056815A	23016681	Gasket, Oil Pan (Solid)			1	
NI	055006A	23016683	Gasket, PTO Cover AT540			1	
NI	055007A	23018625	Gasket, Governor Cover AT540			1	
NI	056002	6750186	Gasket, Convertor Access Cover			1	
NI	056003	6758442	Gasket, PTO Cover CLBT			1	
NI	056004	5181902	Gasket, Front Cover			1	
NI	056005A	6880901	Gasket, Hub Cover .020"	.020"		1	
NI	056005B	NA	Gasket, Hub Cover .009"	.009"		1	
NI	056011	6839213	Gasket, Low/Rev. Adapter & Rear Cover			1	
NI	352003	6755672	Gasket, Bearing Retainer			1	
NI	352005	6773770	Gasket, Disconnect- Clutch Housing			1	
NI	352006	6778451	Gasket, Valve Body			1	
NI	352007	6778452	Gasket, Adapter Plate			1	
NI	352008	6838524	Gasket, Retarder Control Valve Body			1	
NI	352009	6839429	Gasket, Transfer Housing			1	
NI	352010	6839431	Gasket, Housing Adapter			1	
NI	352011	6882326	Gasket, Convertor Housing			1	
NI	352013	23046658	Gasket, Retarder Housing			1	
NI	352014	29524150	Gasket, End Cover			1	
NI	055554	6836587	Bolt, Center support to case		70-On	1	
NI	056553	23013398	Bolt, Center support to case	2.5	72-On	1	
NI	056554	23045343	Bolt, Center support to case	2.5	72-On	1	
NI	352560	6755289	Lock Strip		72-On	1	
NI	056561	6880889	Lock Strip, Torque Convertor Bolts		72-On	6	
NI	352560	6755289	Lock Strip		72-On	1	
NI	056009	29507909	Washer, Drain Plug		72-On	1	
NI	056556	23013841	Washer, Bolt		72-On	1	
NI	352150	6772740	Washer, Copper		72-On	1	
NI	352151	6703212	Washer, Copper		72-On	1	
NI	352315	NA	Bolt, 6-point		72-On	1	

FRICITION CLUTCHES

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
NI	055704C250	29537887	2nd & 3rd Range - Hardened spline	.100/2.55	70-On	10	G3BK - 80T - OD: 9.100"
NI	056710B380	23010439	1st Range	.148	72-On	24	G3BK - 62T - OD:12.557" - PLI
NI	056712	23048511	Lockup Clutch (TC) - MT644/654	.205	72-On	1	G3BK - 73T - OD:14.600" - PLI

STEEL CLUTCHES

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
NI	056711	23047771	1st Range	.103	72-On	7	38T - ID: 10.825"
NI	056711A	23047772	1st Range - selective	.120	72-On	AR	38T - ID: 10.825"
NI	056715	6834488	2nd Range	.103	72-On	AR	16T - ID: 10.746"
NI	056715A	6834720	2nd Range	.120	72-On	AR	16T - ID: 10.746"
NI	056713	6834679	Forward	.103	72-On	5	14T - ID: 7.206"

ALLISON

CLBT 700 SERIES

METAL CLAD SEALS

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
NI	056405	6773311	Extension Housing	4.758	72-On	1	
NI	056404	6771231	Convertor Hub		72-On	1	
NI	032410C	23010610	Manual Lever		69-98	1	
NI	056406	23016947	Front Pump		69-98	1	
NI	056407	6773466	Transfer Housing		69-98	1	
NI	352400	6832559	Oil Seal		69-98	1	
NI	352401	23014064	Oil Seal		69-98	1	
NI	352402	6772608	Wiper-Scraper		69-98	1	
NI	352403	6883697	Oil Seal		69-98	1	

SEALING RINGS

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
NI	056602	23019653	Convertor Hub		69-98	1	
NI	056603	23014441	Front and Center Support		69-98	2	
NI	056604	23019652	Input Shaft and Retarder		69-98	2	
NI	056605	23014631	Input Shaft		69-98	1	

VOITH

D1WA

REBUILDING KIT

Description	Years	Friction Module	Steel Module	Overhaul Kit	Banner Kit	Master Kit
Clutch Modules D864.3E		125752	125753			
Overhaul Kit Models 851, 851.2, 851.3, 854.3, 863, 863.3 replaces 59.3597.10				125800		

FRICTION CLUTCHES

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
N I	125706-320	58.4150.12 *	Input - US 3.2mm	.126/3.2		4	HEG - 50T - OD: 10.15" - PLNI
N I		68.300113	Also 150.00411510				
N I	125706-320	58.4150.12 *	SK-Speed clutch	.126/3.2		4	HEG - 50T - OD: 10.15" - PLNI
N I	125706-320	58.4150.12 *	Lock-Up US 3.2mm	.126/3.2		4	HEG - 50T - OD: 10.15" - PLNI
N I	125706-300	58.4150.12 *	Input, Lock-Up selective Non-US 3.0mm	.118/3.0		AR	HEG - 50T - OD: 10.15" - PLNI
		NA	* Note: Some Non-US Units may require 3.0mm thickness frictions				
N I	125704	58.2460.13	Pump Brake	.118/3.0		2	Tan - 50T - OD: 10.15" - PLNI
N I	125708	50.7147.16	Reverse	.136/3.45		6	HEG - 63T - OD: 12.50" - CGSM
		50.7147.17					
N I	125714	58.2250.12	Torque Converter	.138/3.5		3	Brz - 63T - OD: 12.51" - Sprl
		58.2250.13					

STEEL CLUTCHES

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
N I	125707	50.7920.10	Input	.079/2.0		3-6	12T - ID: 8.173"
N I	125707-300	NA	Input - selective	.118/3.0		1	12T - ID: 8.173"
N I	125707-350	52.6306.10	Input	.138/3.5		6	12T - ID: 8.173"
N I	125705	50.7715.20	Input - backing	.118/3.0		2-3	12T - ID: 8.173"
N I	125705A300	52.6303.10	Input - backing (2 short teeth)	.118/3.0		1-2	12T - ID: 8.173"
N I	125707	50.7920.10	Lock-up	.079/2.0		1	12T - ID: 8.173"
N I	125707-350	52.6306.10	Lock-up	.138/3.5		3	12T - ID: 8.173"
N I	125707-350	52.6306.10	Pump Brake	.138/3.5		2	12T - ID: 8.173"
N I	125705A300	52.6303.10	Pump Brake	.118/3.0		AR	12T - ID: 8.173" (2 Short Teeth)
N I	TBA	54.8208.10	Pump Brake - backing	.277/7.0		1	12T
N I	125709	54.9141.10	Reverse	.098/2.5		6	12T - ID: 10.41"
N I	125715	50.9743.13	Torque Converter	.098/2.5		4	12T - ID: 10.429"

PRESSURE PLATES

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
N I	125768	54.8208.10	Direct End Plate	.275/7.0		1	12T - ID: 11.023"

FILTER KITS

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
N I	FK125940	59.3255.10	Filter Kit Voith 851, 851.2, 851.3			1	filter, gasket, washers

Z F

ECOMAT 4HP500, 5HP500, 4HP590, 5HP590 4HP600, 5HP600, 6HP600, W360

KITS *Add Suffix SK for Super Kit							
ILL	Description	Years	Friction Module	Steel Module	Overhaul Kit	Banner Kit	Master Kit
KT	Rebuilding Kit	90-On	121752	121753	121800	121901LS	121901
	Also available: Torque Converter Kit, Cover Plate Kit & Sealing Ring Kit - Inquire for Details				Main Body Kit		
KT	Rebuilding Kit - 6HP600 only	90-On	121752A	121753A	TBA	TBA	TBA

MISCELLANEOUS GASKETS. REPAIR KITS & COMPONENTS

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
N I	121816	4139-301-579	Gasket, Oil Pan	Fiber	90-On	1	
N I	121803A	4139-298-943	Repair Kit		90-On	1	
N I	121803B	4139-298-939	Repair Kit - Front cover		90-On	1	
N I	121803C	4139-298-937	Repair Kit		90-On	1	
N I	121803D	4139-298-942	Repair Kit - Lip seal		90-On	1	
N I	121803E	4139-298-941	Repair Kit - Lip seal		90-On	1	
N I	121803F	4139-298-938	Repair Kit		90-On	1	
N I	121803G	4139-298-940	Repair Kit - Front cover		90-On	1	
N I	121803H	4139-298-954	Repair Kit - Lip seal		90-On	1	
N I	121803J	4139-298-945	Repair Kit		90-On	1	

FRICION CLUTCHES

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
N I	121700	4139-270-025	A Clutch - external Teeth	.118 / 3.00	90-On	6-8	HEG - 10T - ID: 4.967" - PLNI
		0501-213-172					
		4139-270-021					
N I	121702	4139-233-177	B Clutch (Except 6HP600)	.115 / 2.90	90-On	4-5	HEG - 42T - OD: 10.100" - PLNI
		4139-270-036					
		0501-213-173					
N I	121702-315	NA	B Clutch (6HP600)	.124 / 3.15	90-On	4-5	HEG - 43T - OD: 10.100" - PLNI
N I	121702	4139-233-177	C Clutch (Except 6HP600)	.115 / 2.90	90-On	4	HEG - 42T - OD: 10.100" - PLNI
		4139-270-036					
		0501-213-173					
N I	121702-315	NA	C Clutch (6HP600)	.124 / 3.15	90-On	4	HEG - 43T - OD: 10.100" - PLNI
N I	121704	4139-233-178	D Clutch	.118 / 3.00	90-On	3-4	HEG - 46T - OD: 10.932" - PLNI
		4139-233-083					
		4139-233-303					
		4139-233-307					
N I	121704	4139-233-178	E Clutch	.118 / 3.00	90-On	6-7	HEG - 46T - OD: 10.932" - PLNI
		4139-233-083					
		4139-233-303					
		4139-233-307					
N I	121704	4139-233-178	F Clutch	.118 / 3.00	90-On	6-8	HEG - 46T - OD: 10.932" - PLNI
		4139-233-083					
		4139-233-303					
		4139-233-307					
N I	121704A262	4139-233-307	D, E, F Clutch - selective	.103 / 2.62	TBA	AR	HEG - 46T - OD: 10.932" - SB
N I	121708-300	4139-233-309	G Clutch (6HP600)	.118 / 3.00	90-On	9	HEG - 48T - OD: 10.930" - PL

STEEL CLUTCHES

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
N I	121701	4139-333-036	A Clutch - internal Teeth	.079 / 2.00	90-On	6-8	32T - OD: 6.417"
N I	121701-250	4139-333-765	A Clutch - internal Teeth (selective)	.098 / 2.50	90-On	AR	32T - OD: 6.417"
N I	121703A300	4149-370-001	A Clutch - 45 Teeth	.118 / 3.00	90-On	AR	45T - ID: 8.708"
N I	121703	4139-333-172	B Clutch, C Clutch	.079 / 2.00	90-On	4	34T - ID: 8.708"

Z F

ECOMAT 4HP500, 5HP500, 4HP590, 5HP590 4HP600, 5HP600, 6HP600, W360

STEEL CLUTCHES

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
N I	121703-250	4139-333-759	B Clutch, C Clutch - selective	.098 / 2.50	90-On	AR	34T - ID: 8.708"
N I	121705	4139-333-015	D Clutch, E Clutch, F Clutch	.079 / 2.00	90-On	4	24T - ID: 9.304"
N I	121705-250	4139-333-745	D Clutch, E Clutch, F Clutch (selective)	.098 / 2.50	90-On	AR	24T - ID: 9.304"
N I	121705-300	4139-333-263	D Clutch - selective	.118 / 3.00	90-On	AR	24T - ID: 9.304"
N I	121705A200	4139-373-029	F Clutch - wider teeth no holes	.079 / 2.00	90-On	AR	24T - ID: 9.320"
N I	121709-200	NA	G Clutch (6HP600)	.079 / 2.00	90-On	9	24T - ID: 9.767"
N I	121709-250	NA	G Clutch - selective (6HP600)	.098 / 2.50	90-On	AR	24T - ID: 9.767"

TORQUE CONVERTER-FRICTION RINGS AND CLUTCHES

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
N I	121706	4166-238-037	Torque Converter (Except 6HP600, 5HP590)	.118 / 3.00	90-On	2	Gm - 18T - OD: 12.930" - SM
N I	121706A320	4166-238-042	Torque Converter (6HP600)	.124 / 3.15	90-On	2	HEG - 36T - OD: 15.398" - PL
N I	121706C310	4166-236-134	Torque Converter (W360)	.122 / 3.10	90-On	AR	HEG - 59T - OD: 12.96"
		4166-236-098					
		4166-236-129					
N I	121706D310	0501-212-249	Torque Converter	.123 / 3.12	90-On	1	66T - OD: 15.009"
N I	121707	4139-334-004	Torque Converter (Except 6HP600)	.079 / 2.00	90-On	AR	12T - ID: 11.887"
N I	121707-300	NA	Torque Converter (Except 6HP600)	.118 / 3.00	90-On	AR	12T - ID: 11.887"
N I	121707-350	4139-334-006	Torque Converter (Except 6HP600)	.138 / 3.50	90-On	AR	12T - ID: 11.887"
N I	121707-400	4139-334-005	Torque Converter (W360)	.157 / 3.99	90-On	AR	12T - ID: 11.887"
N I	121707A250	NA	Torque Converter (6HP600)	.098 / 2.50	90-On	2	36T - ID: 14.313"
N I	121707A300	4166-338-202	Torque Converter (6HP600)	.118 / 3.00	90-On	1	36T - ID: 14.313"
N I	121707B400	0501-320-306	Torque Converter	.157 / 4.00	90-On	AR	12T - ID: 11.800"
N I	121707D405	0501-318-589	Torque Converter	.159 / 4.04	90-On	1	8T - ID: 13.224"
N I	121716-305	0501-213-150	Torque Converter (5HP590)	.079 / 2.00	90-On	6-8	HEG - 59T - OD: 13.365" - PLNI

PRESSURE PLATES

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
N I	121701-300	4139-333-694	A Clutch - Bottom	.118 / 3.00	90-On	1	32T - OD: 6.417"
N I	121703-300	4139-333-373	B Clutch - Bottom	.118 / 3.00	90-On	1	34T - ID: 8.708"
N I	TBA	4139-333-437	C Clutch - Bottom		90-On	1	
N I	121705-300	4139-333-263	D Clutch - Bottom	.118 / 3.00	90-On	1	24T - ID: 9.304"
N I	121705B300	4139-333-766	E Clutch - Bottom no holes	.118 / 3.00	90-On	1	
N I	121763	4139-333-480	F Clutch - Top	.079 / 2.00	90-On	1	24T - ID: 9.304

FILTERS

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
N I	121940	0750-131-003	Filter		90-On	1	

METAL CLAD SEALS

ILL	ALTO No.	REF No.	Description	Spec	Year	Qty	Notes
N I	121400	0750-111-044	Front Pump	150mm	90-On	1	
N I	121405	0750-111-018	Extension Housing (without PTO)	125mm	90-On	1	
N I	121420	0734-310-353	Speedometer	15mm	90-On	1	