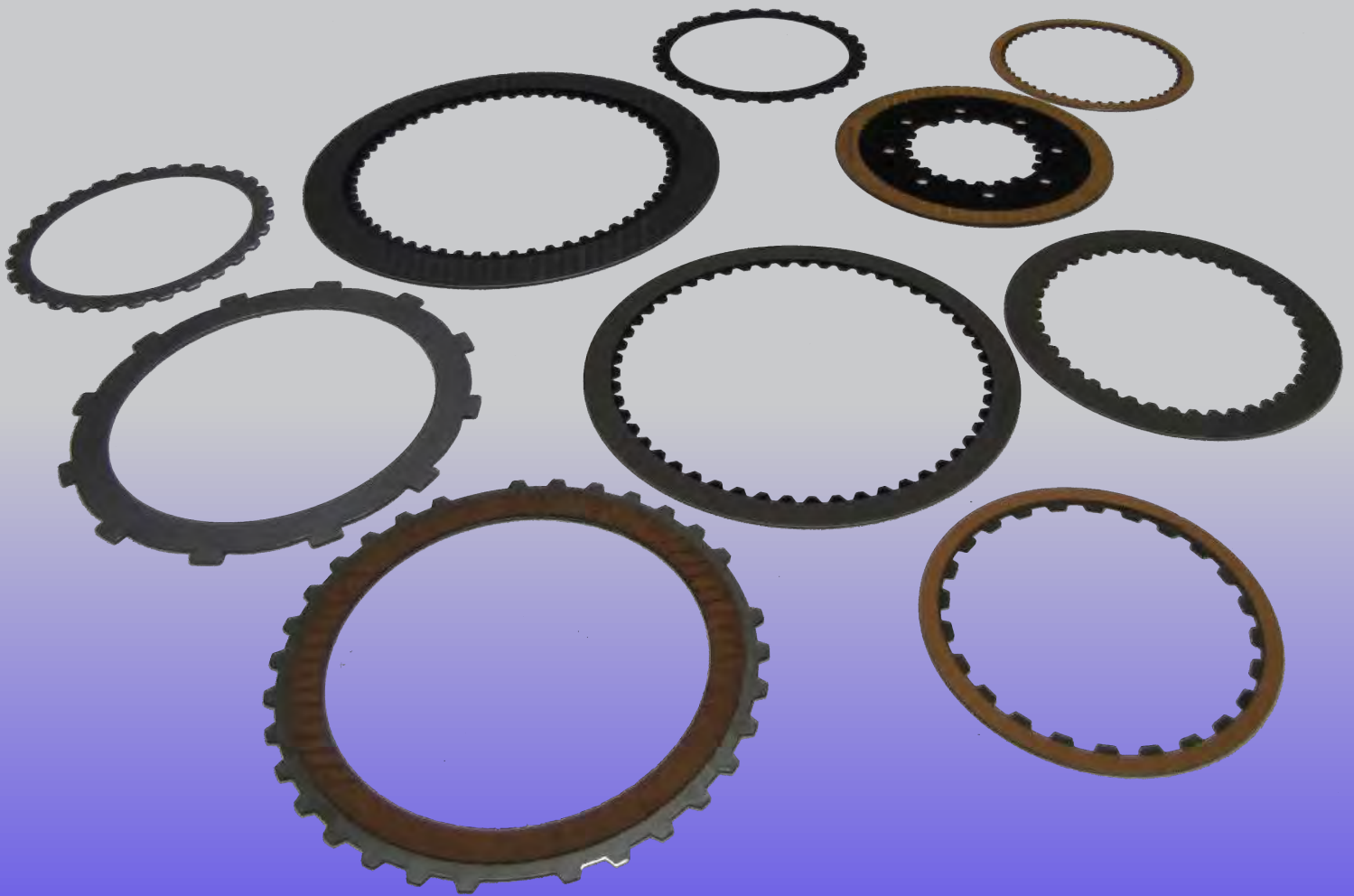


TRANSFER CASE CLUTCHES APPLICATION GUIDE



ALTO PRODUCTS CORP.

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TRANSFER CASE CLUTCHES

GM 4L30E

ALTO NO	REF NO	DESCRIPTION	SPEC	QTY	YEAR	SPLINE
138730	NA	FR 4 X 4 1 Side Friction Internal Spline	.065/1.65	6	96-On	Tan - 19T - OD: 5.590" - PLI
138731	NA	FR 4 X 4 1 Side Friction External Spline	.065/1.65	7	96-On	Tan - 31T - ID: 4.727" - PLI

GM 4L60, 4L60E, 4L80E, TH700-R4

ALTO NO	REF NO	DESCRIPTION	SPEC	QTY	YEAR	SPLINE
126700	12547607	FR NEW VENTURE GEAR 136, 236, 246	.086/2.18	10	98-On	Heg - 54T - OD: 6.080" - SM
126701	12547608	ST NEW VENTURE GEAR 136, 236, 246	.067/1.7	10	98-On	12T - ID: 5.023"
126710	19133076	FR MP 3023-NQH TRANS CASE 07+	.063/1.6		07-On	Heg - 54T - OD: 5.742" - PL
126711	19133077	ST MP 3023-NQH TRANS CASE 07+	.59/1.4		07-On	30T - ID: 3.879"
185710-165	88935701	FR NEW VENTURE GEAR 125C, 126C, 225C, 226C 1 Side Friction Internal Spline	.065/1.65	9	02-On	Heg - 50T - ID: 4.989" - SB
185711-165	88935700	FR NEW VENTURE GEAR 125C. 225C 1 Side Friction External Spline	.065/1.65	9	02-On	Heg - 16T - ID: 3.815" - SB

ALLISON WORLD MD300

ALTO NO	REF NO	DESCRIPTION	SPEC	QTY	YEAR	SPLINE
148710-400	23048735	FR WORLD MD300 C-6	.157/4.0	5	95-On	Heg - 34T - OD: 8.589" - PLI
148711-250	29506073	ST WORLD MD300 C-6	.098/2.5	5	95-On	40T - ID: 7.090"
055702B246	23041097	FR WORLD MD300 C-7	.097/2.46	5	95-On	Crb - 60T - OD: 8.150" - PLI
148709-220	29502156	ST WORLD MD300 C-7	.086/2.2	5	95-On	67T - ID: 6.580"

FORD AOD, AOD-E, 4R70W, 5R55N, 5R55W

ALTO NO	REF NO	DESCRIPTION	SPEC	QTY	YEAR	SPLINE
138730	NA	FR BW4406 1 Side Internal Spline	.065/1.65	5	95-On	Tan - 19T - OD: 5.590" - PLI
138730-195	XL2Z-7C108AA	FR BW4405 1 Side Internal Spline	.077/1.98	5	95-On	Tan - 19T - OD: 5.590" - PL
138731	NA	FR BW4406 1 Side External Spline	.065/1.65	5	95-On	Tan - 31T - ID: 4.727" - PLI
138731-195	XL2Z-7C108AA	FR BW4405 1 Side External Spline	.077/1.98	6	95-On	Tan - 31T - ID: 4.727" - PL

AW50-40/42LE

ALTO NO	REF NO	DESCRIPTION	SPEC	QTY	YEAR	SPLINE
110711-150	NA	ST AW50-40/42LE	.059	AR	89-On	66T - ID: 5.220"

AW TR60-SN 6 SPEED

ALTO NO	REF NO	DESCRIPTION	SPEC	QTY	YEAR	SPLINE
185710-165	NA	FR TR60-SN 1 Side Friction Internal	.065/1.65	7	89-94	Heg - 50T - OD: 4.989" - SB
185711-165	NA	FR TR60-SN 1 Side Friction External Spline	.065/1.65	7	89-94	Heg - 16T - ID: 3.815" - SB

MERCEDES 722.6

ALTO NO	REF NO	DESCRIPTION	SPEC	QTY	YEAR	SPLINE
126720A	05175985AA	FR 722.6 Transfer Case	.072/1.83	6	06-On	G3 - 16T - ID: 4.040"
126721A	05175986AA	ST 722.6 Transfer Case	.052/1.32	6	06-On	40T - OD: 5.010"

MERCEDES 722.9

ALTO NO	REF NO	DESCRIPTION	SPEC	QTY	YEAR	SPLINE
189734-157	DAC09110	FR 722.9 Transfer Case	.062/1.57	AR	04-On	G3C - 36T - OD: 4.470" - PPL
189735-120	DAC0911A	ST 722.9 Transfer Case	.047/1.20	AR	04-On	4T - ID: 3.307"

NISSAN RE4R01A

ALTO NO	REF NO	DESCRIPTION	SPEC	QTY	YEAR	SPLINE
075712	31532-0W410	FR RE4R01A	.078/2.0	8	97-On	Heg - 40T - OD: 6.338" - WF
075715K	31536-0W410	ST RE4R01A	.078/2.0	14	97-On	32T - ID: 4.633"

SUBARU M41, M41A (GUNMA)

ALTO NO	REF NO	DESCRIPTION	SPEC	QTY	YEAR	SPLINE
042706	35188-AA-041 55188-AA-040 35188-AA-000	FR SUBARU M41, M41A 83-94	.115/2.9	3-4	83-94	Tan - 33T - OD: 3.702" - SM

SUBARU 4 SPEED

ALTO NO	REF NO	DESCRIPTION	SPEC	QTY	YEAR	SPLINE
075710	31588-AA-020	FR SUBARU 4 SPEED	.078/2.0	5	98-On	Tan - 24T - OD: 4.646" - PL
075720-180	31588-AA070	FR SUBARU 4 SPEED	.071/1.8	AR	Various	Tan - 50T - OD: 4.646" - SM
075711K160	31589-AA040 31589-AA041	ST SUBARU 4 SPEED - Kolene®	.063/1.6	6	98-On	Kolene® - 30T - ID: 4.117"
075711-200	31589AA-050	ST SUBARU 4 SPEED selective	.078/2.0	AR	98-On	30T - ID: 4.117"
075711-240	31587AA-060	ST SUBARU 4 SPEED selective	.095/2.4	AR	98-On	30T - ID: 4.117"
075711-280	31589AA-070	ST SUBARU 4 SPEED selective	.110/2.8	AR	98-On	30T - ID: 4.117"

SUBARU R4AX-EL

ALTO NO	REF NO	DESCRIPTION	SPEC	QTY	YEAR	SPLINE
075710	31588-AA-020	FR SUBARU R4AX-EL (Loyale)	.078/2.0	AR	87-93	Tan - 24T - OD: 4.646" - PL
075710-180	31588-AA-060	FR SUBARU R4AX-EL (Impressa/Legacy/SVX)	.071/1.8	AR	91-98	Tan - 24T - OD: 4.646" - SM
075720-180	31588-AA070	FR SUBARU R4AX-EL	.071/1.8	AR	Various	Tan - 50T - OD: 4.646" - SM
075711	31589-AA-030	ST SUBARU R4AX-EL TC (Loyale)	.071/1.8	AR	87-93	30T - ID: 4.117"
075711K200	NA	ST SUBARU R4AX-EL Kolene®	.078/2.0	AR	87-98	Kolene® - 30T - ID: 4.117"
075711-200	31589AA-050	ST SUBARU R4AX-EL selective	.078/2.0	AR	87-98	30T - ID: 4.117"
075711-240	31587AA-060	ST SUBARU R4AX-EL selective	.095/2.4	AR	87-98	30T - ID: 4.117"
075711-280	31589AA-070	ST SUBARU R4AX-EL selective	.110/2.8	AR	87-98	30T - ID: 4.117"

TOYOTA A340

ALTO NO	REF NO	DESCRIPTION	SPEC	QTY	YEAR	SPLINE
073712	34653-35020 34653-35010	FR TOY A340 DIRECT (C3), FRONT (C4)	.067/1.7	6/6	88-95	Heg - 44T - OD: 5.597" - SM
073714	35683-35020 34683-35010	FR TOY A340 LOW SPEED BRAKE (B4)	.067/1.7	7	88-95	Tan - 53T - OD: 6.808" - SM
073713	34656-35010	ST TOY A340 DIRECT (C3), FRONT (C4)	.071/1.8	5/6	88-95	29T - ID: 4.580"
073713-255	34656-35020	ST TOY A340 DIRECT (C3) selective	.100/2.55	5	88-95	29T - ID: 4.580"
073715	34686-35010	ST TOY A340 LOW SPEED BRAKE (B4)	.071/1.8	4-6	88-95	8T - ID: 5.954"

ZF5HP24

ALTO NO	REF NO	DESCRIPTION	SPEC	QTY	YEAR	SPLINE
053716	NA	FR ZF4HP24A AUDI	.062/1.55	6	89-94	Heg - 18T - OD: 4.680" - PL
053717	NA	ST ZF4HP24A AUDI	.082/2.1	6	89-94	12T - ID: 2.444"
053765J	NA	ST ZF4HP24A AUDI BOTTOM PLATE	.082/2.1	1	89-94	12T with Holes in Teeth

ZF6HP19/19X BMW

ALTO NO	REF NO	DESCRIPTION	SPEC	QTY	YEAR	SPLINE
138732-160	NA	FRICTION EXTERNAL SPLINE	.063/1.60	AR	04-On	Heg - 72T - ID: 3.957" - PLNI
138733-120	NA	STEEL INTERNAL SPLINE	.047/1.20	AR	04-On	61T - OD: 5.2915"