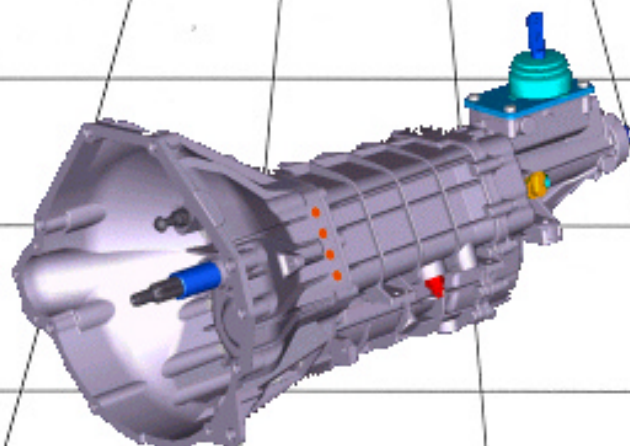


SPICER

TREMEC
M.R.

SPICER DIVISION TRANSMISIONES
TRANSMISIONES Y EQUIPOS MECANICOS
S.A. DE C.V.



TRANSMISSION

MODEL

TR-3650

5 SPEED BOX

Replacement Parts Catalog for Automotive Manual Transmissions



PLANT AND GENERAL OFFICES

AV. 5 DE FEBRERO No. 2115 C.P. 76120, QUERETARO, QRO. TEL. (42) 11-73-00 FAX: (42) 11-73-41

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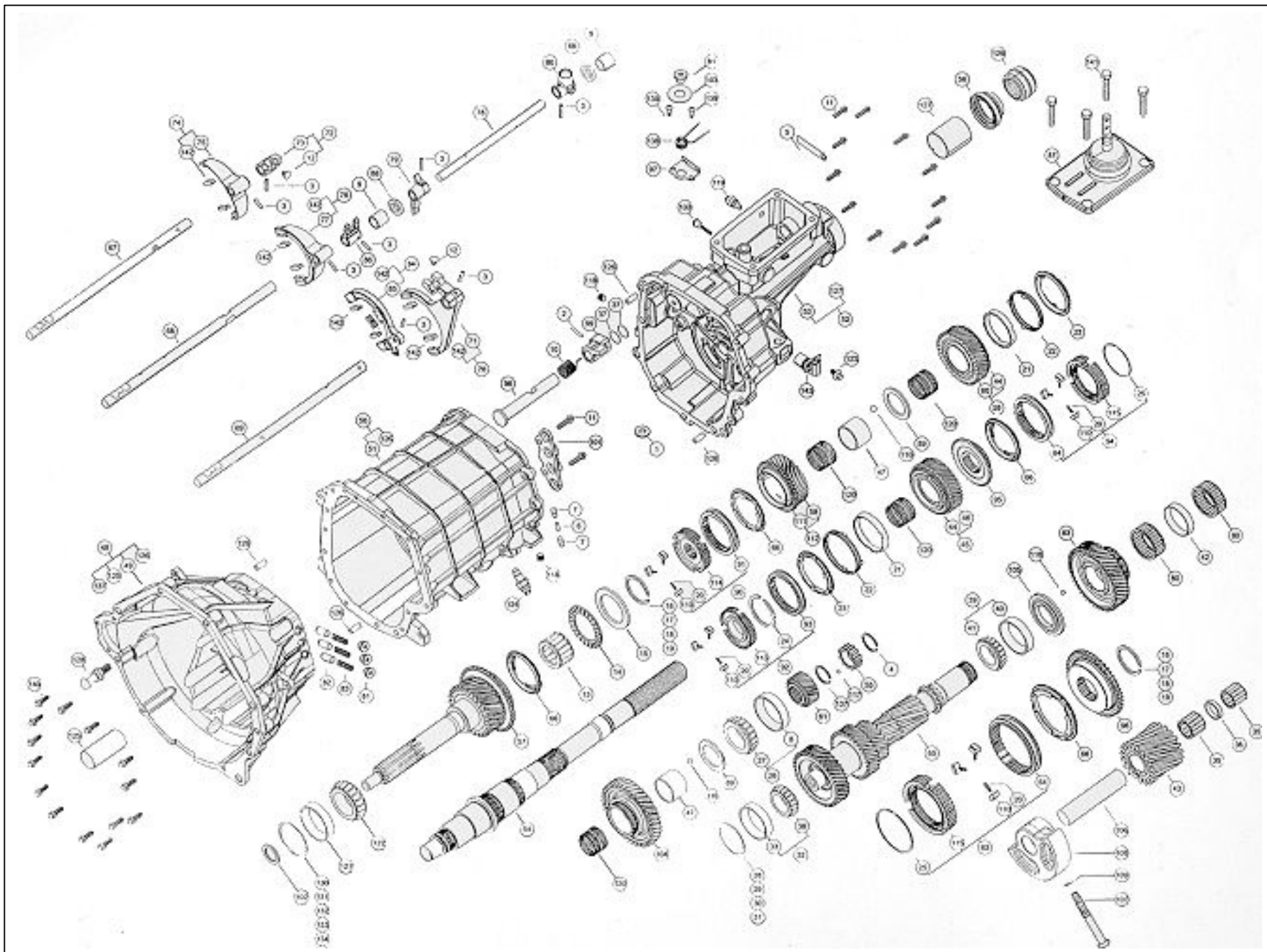
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QUICK REFERENCE GUIDE

No. PART	DESCRIPTION	PAGINE	No. PART	DESCRIPTION	PAGINE
TCTN0614	BOLT METRIC HEX WASHER HD	11	TCSP1305	DETENT	11 & 13
TCNS0627	NYLON STOP	13	TCRE1306	ACTUATING SPRING	11
TCBA0653	BEARING INPUT SHAFT POCKET	7	TCEC1307	REVERSE FORK SHIFT ASS'Y	13
TCBA0655	THRUST BEARING ASS'Y	7	TCHR1308	REVERSE FORK SHIFT	USE: TCEC1307
TCRA0656	THRUST WASHER SHAFT PILOTED	7	TCTP1309	3rd. & 4th. GATE	13
TCMS0658	SNAP RING 2.30+/-0.05 MM AS REQU.	7 & 9	TCEC1310	SHIFTER LEVER ASS'Y	11
TCMS0659	SNAP RING 2.40+/-0.05 MM AS REQU.	7 & 9	TCSP1311	SPACER FONT	13
TCMS0660	SNAP RING 2.50+/-0.05 MM AS REQU.	7 & 9	TCRA1314	THRUST WASHER 3rd. GEAR & REV.	7
TCMS0661	SNAP RING 2.60+/-0.05 MM AS REQU.	7 & 9	TCES1315	3rd. & 4th. SYNCHRONIZER ASS'Y	7
TCRE0664	SPRING SYNCHRONIZER	7 & 9	TCCL1316	3rd. & 4th. SLEEVE	USE: TCES1315
TCAS0673	1st. & 2nd. INNER RING	7	TCES1317	1st. & 2nd. SYNCHRONIZER ASS'Y	7
TCAS0674	BLOCKER RING & LINING ASSY 1st. & 2nd.	7	TCCL1319	1st. & 2nd. SLEEVE	USE: TCES1317
TCAS0675	1st. & 2nd. BLOCKER RING	7	TCES1320	SYNCHRONIZER ASS'Y REV. GEAR	7
TCMS0679	SNAP RING HUB SYNCHRO 1st. & 2nd.	7	TCCN1322	REVERSE CLUTCH CONE	7
TCMS0686	SNAP RING	7 & 9	TCCN1323	CLUTCH CONE 5th. SPEED. C.S.	9
TCBA0688	BEARING CONE & CUP ASS'Y MAIN S.	7	TCPA1403	SPRING BASE TURRET	11
TCBA0689	BEARING CONE	USE: TCBA0688	TCBR1404	RAIL REVERSE INHIBITOR	11
TCMS0695	BEARING SHIM C.S. AS REQU.	9	TCTN1407	PIN INHIBITOR RETAINER BAR	11
TCMS0696	BEARING SHIM C.S. AS REQU.	9	TCPT1427	INTERLOCK SUPPORT	11
TCMS0697	BEARING SHIM C.S. AS REQU.	9	TCSJ1428	OIL SEAL BEARING RETAINER	7
TCMS0698	BEARING SHIM C.S. AS REQU.	9	TCRA1429	WASHER SPRING RETENTION	11
TCBA0699	BEARING CONE & CUP ASS'Y C.S.	9	TCEN1432	GEAR REVERSE M.S.	7
TCBA0700	CUP BEARING	USE: TCBA0699	TCRA1433	THRUST WASHER 5th. GEAR C.S.	9
TCBA0715	ROLLER BEARING GEAR 5th. C.S.	9	TCBR1434	REVERSE SHAFT RAIL	9
TCBA0721	ROLLER BEARING GEAR REV. IDLER	9	TCTN1435	BOLT M8X1.25X60 TORX BOTTON H.	9
TCSP0722	SPACER ROLLER BEARING GEAR REV.	9	TCPT1436	REVERSE SUPPORT SHAFT	9
TCSJ0725	O'RING INHIBITOR	11	TCSJ1437	O'RING	9
TCBA0767	CONE BEARING	USE: TCBA0699	TCNS1438	INSERT SYNCHRONIZER	7 & 9
TCBA0776	BEARING CONE & CUP ASS'Y REAR C.S.	9	TCCN1461	3rd. CLUTCH CONE	USE: TCEE1462
TCBA0777	CUP BEARING REAR C.S.	USE: TCBA0699	TCEE1462	3 rd . GEAR SPEED ASS'Y M.S.	7
TCBA0778	CONE BEARING REAR C.S.	USE: TCBA0699	TCMZ1533	1st. & 2nd. HUB SYNCHRO	USE: TCES1317
TCSP0781	SPACER ROLLER BEARING 5th. C.S.	9	TCMZ1534	3rd. & 4th. HUB SYNCHRO	USE: TCES1315
TCEN0784	REVERSE IDLER GEAR	9	TCMZ1535	5th. & REV. HUB SYNCHRO	USE: ASS'Y
TCCN1025	1st. & 2nd. CLUTCH CONE	USE: TCEE1621	TCTP1633	INHIBITOR REVERSE	11
TCSP1249	BUSHING 3rd. GEAR & REV.	7	TCEE1621	1st. GEAR SPEED ASS'Y M.S.	7
TCEP1268	CLUTCH HOUSING ASS'Y	11	TCEN1622	1st. GEAR SPEED M.S.	USE: TCEE1621
TCCL1269	CLUTCH HOUSING	USE: TCEP1268			
TCEP1270	TRANSMISSION CASE ASS'Y	11			
TCCA1271	TRANSMISSION CASE	USE: TCEP1270			
TCEP1272	EXTENSION ASS'Y	11			
TCEX1273	EXTENSION	USE: TCEP1272			
TCFP1275	MAIN SHAFT	7			
TCEV1276	SPEEDOMETER ROTOR GEAR	7			
TCSJ1277	OIL SEAL EXTENSION	11			
TCFM1279	INPUT SNAFT	7			
TCEN1281	3rd. GEAR SPEED. M.S.	USE: TCEE1462			
TCEE1282	2nd. GEAR SPEED. ASS'Y M.S.	7			
TCEN1283	2nd. GEAR SPEED. M.S.	USE: TCEE1282			
TCEN1284	5th. GEAR SPEED. M.S.	9			
TCES1285	SYNCHRONIZER ASS'Y 5th. GEAR C.S.	9			
TCEN1286	5th. GEAR C.S.	9			
TCCL1287	5th: & REVERSE SLEEVE	USE: ASS'Y			
TCCF1288	CLUSTER GEAR	9			
TCAS1289	BLOCKER RING 3rd./4th./5th & REVERSE	7 & 9			
TCBR1290	1st. & 2nd. SHIFT RAIL	13			
TCBR1291	3rd. & 4 th. SHIFT RAIL	13			
TCBR1292	5th. & REV. SHIFT RAIL	13			
TCEC1293	5th. FORK SHIFT ASS'Y	13			
TCHR1294	5th. FORK SHIFT	USE: TCEC1293			
TCEC1295	1st. & 2nd. GATE ASS'Y	13			
TCTP1296	1st. & 2nd. GATE	USE: TCEC1295			
TCEC1297	1st. & 2nd. FORK SHIFT ASS'Y	13			
TCHR1298	1st. & 2nd. FORK SHIFT	USE: TCEC1297			
TCEC1299	3th. & 4th. FORK SHIFT ASS'Y	13			
TCHR1300	3th. & 4th. FORK SHIFT	USE: TCEC1299			
TCBR1301	SELECTOR RAIL	13			
TCTP1302	ARM SELECTOR INHIBITOR	13			
TCTP1303	SEAT SELECTOR GATE	13			
TCTA1304	DETENT PLUG	11			

QUICK REFERENCE GUIDE

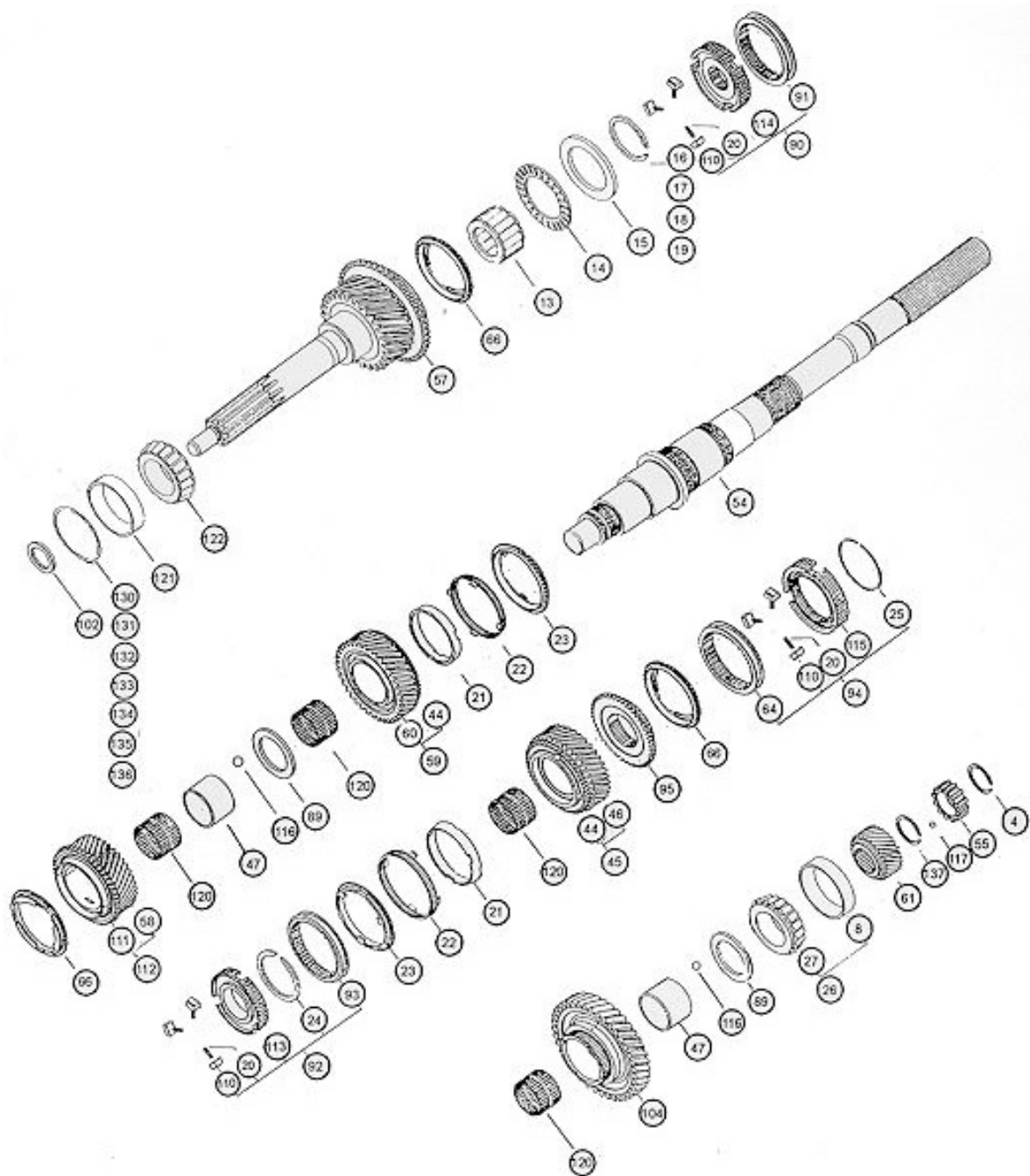
No. PART	DESCRIPTION	PAGINE	No. PART	DESCRIPTION	PAGINE
PARTS CARRY OVER WITH OTHER MODEL					
2603897	ROLL PIN	11	4915	MAGNET	11
2604154	ROLL PIN	13	1300-052-007	DRAIN PLUG & FILLER PLUG	11
2604502	SNAP RING SPEEDOMETER	7	1300-072-005	BREATHER	11
2604737	TAG IDENTIFICATION	13	1300-132-009	2nd. & 3rd. NEEDLE BEARING ASS'Y	7
2604832	CENTER INTERLOCK PIN	11	1300-133-005	BEARING TAPERED ROLLER CUP	7
2604895	SHIFTER INTERLOCK	11	1300-133-006	BEARING TAPERED ROLLER CONE	7
2605686	BEARING ROLLER CUP	USE: TCBA0688	1300-183-038	CAP SCREW HEX HEAD SENSOR	11
2605858	ROLLER BEARING SELECTOR ARM	13	1332-140-005	SWITCH ASS'Y BACKUP LAMP	11
2606156	SPRING INHIBITOR	11	1381-034-001	TUB RETAINER BEARING	11
10J00006	BALL	7 & 9	1381-043-001	DOWEL PIN	11
10J000008	BALL SPEEDOMETER	7	1381-127-002	BUSHING EXTENSION HOUSING	11
			1381-146-001	STUD CLUTCH RELEASE LEVER	11
			1386-016-002	SEAL OUTPUT SPLINE	11
			1386-037-005	BEARING SHIM 0.55 +/- 0.013 MM	7
			1386-037-006	BEARING SHIM 0.61 +/- 0.013 MM	7
			1386-037-007	BEARING SHIM 0.66 +/- 0.013 MM	7
			1386-037-008	BEARING SHIM 0.71 +/- 0.013 MM	7
			1386-037-012	BEARING SHIM 0.76 +/- 0.013 MM	7
			1386-037-016	BEARING SHIM 0.81 +/- 0.013 MM	7
			1386-037-019	BEARING SHIM 0.83 +/- 0.013 MM	7
			1386-139-001	SNAP RING	7
			1386-156-014	SPRING CENTERING SHIFT CONTROL	11
			1386-183-002	BOLT SHOULDER	11
			1386-183-004	BOLT METRIC HEX. WASHER HEAD	11
			1386-183-005	BOLT METRIC HEX. WASHER HEAD	11
			1386-235-001	PAD SHIFT FORK	13
			4400-640-019	SENSOR SPEEDOMETER	11



VEHICLES USING TRANSMISSION MODEL TR-3650, 5 SPEED
VEHICULOS QUE USAN CAJAS DE VELOCIDADES MODELO TR-3650

VEHICULO VEHICLE	2001	2002	2003	2004	2005
FORD MOTOR CO.					
MUSTANG	TCET1265 TR-3650				

PRIMARY GEAR PARTS GROUP
GRUPO PRIMARIO DE PARTES DE ENGRANES



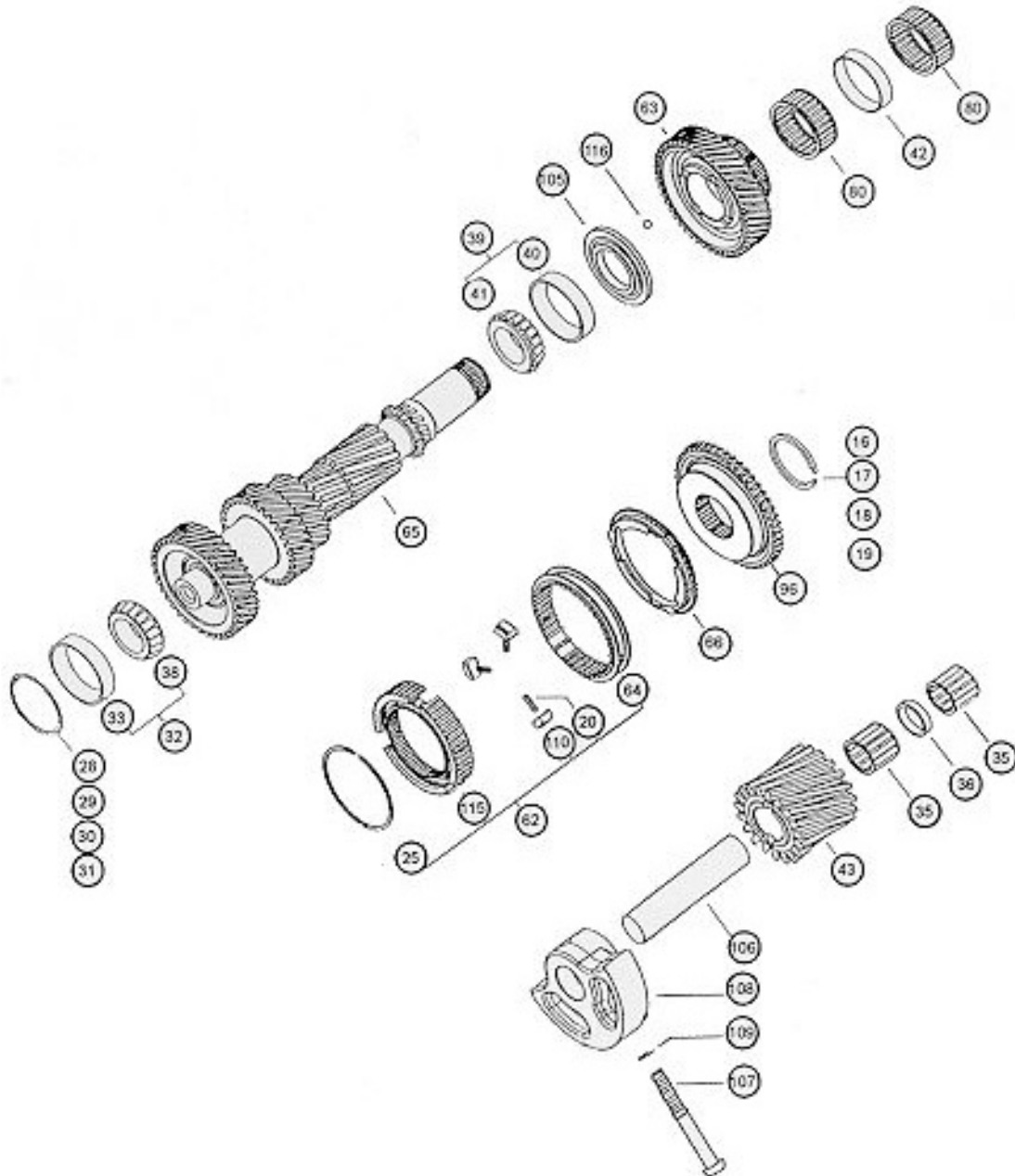
PRIMARY GEAR PARTS GROUP
GRUPO PRIMARIO DE PARTE DE ENGRANES

ITEM No. No. DIBUJO	PART No. No. PARTE	QTY. CANT.	DESCRIPTION DESCRIPCION
4	2604502	1	SNAP RING GEAR SPEEDOMETER / SEGURO ENGRANE VELOCIMETRO
8	2605686	1	BEARING ROLLER CUP / TAZA BALERO
13	TCBA0653	1	BEARING INPUT SHAFT POCKET / BALERO DE RODILLOS FLECHA DE MANDO
14	TCBA0655	1	THRUST BEARING / BALERO AXIAL
15	TCRA0656	1	THRUST WASHER SHAFT PILOTE / ROLDANA DE EMPUJE
16	TCMS0658	AR	SNAP RING 2.30+/-0.05 MM /SEGURO AS REQUIRED
17	TCMS0659	AR	SNAP RING 2.40+/-0.05 MM /SEGURO AS REQUIRED
18	TCMS0660	AR	SNAP RING 2.50+/-0.05 MM /SEGURO AS REQUIRED
19	TCMS0661	AR	SNAP RING 2.60+/-0.05 MM /SEGURO AS REQUIRED
20	TCRE0664	12	SPRING SYNCHRONIZER / RESORTE SINCRONIZADOR
21	TCAS0673	2	1 st . & 2 nd . BLOCKER RING / ANILLO SINCRONIZADOR 1 ^a . -2 ^a .
22	TCAS0674	2	1 st . & 2 nd . BLOCKER RING & LINING ASS'Y / ANILLO DE FRENADO 1 ^a . -2 ^a .
23	TCAS0675	2	1 st . & 2 nd . BLOCKER RING / ANILLO SINCRONIZADOR
24	TCMS0679	1	1 st . & 2 nd . SNAP RING HUB SYNCHRO / SEGURO MAZA SINCRO
25	TCMS0686	2	SNAP RING TOP INSERT / SEGURO TOPE DE LOS INSERTOS
26	TCBA0688	1	BEARING CONE & CUP ASS'Y M.S. / CONJUNTO BALERO CONICO
27	TCBA0689	1	BEARING CONE / CONO BALERO CONICO
44	TCCN1025	2	1 st . & 2 nd . CLUTCH CONE / CONO DE EMBRAGUE
45	TCEE1088	1	1 st . GEAR SPEED ASS'Y M.S. / CONJUNTO ENGRANE DE 1 ^a . VELOCIDAD
46	TCEN1089	1	1 st . GEAR SPEED M.S. / ENGRANE DE 1 ^a . VELOCIDAD
47	TCSP1249	1	BUSHING 3 rd . GEAR / BUJE ENGRANE DE 3 ^a . VELOCIDAD
54	TCFP1275	1	MAIN SHAFT / FLECHA PRINCIPAL
55	TCEV1276	1	SPEEDOMETER ROTOR GEAR / ROTOR VELOCIMETRO
57	TCFM1279	1	INPUT SHAFT / FLECHA DE MANDO
58	TCEN1281	1	3 rd . GEAR SPEED M.S. / ENGRANE DE 3 ^a . VELOCIDAD
59	TCEE1282	1	2 nd . GEAR SPEED ASS'Y M.S. / CONJUNTO ENGRANE DE 2 ^a . VELOCIDAD
60	TCEN1283	1	2 nd . GEAR SPEED M.S. / ENGRANE DE 2 ^a . VELOCIDAD
61	TCEN1284	1	5 th . GEAR SPEED M.S. / ENGRANE DE 5 ^a . VELOCIDAD
64	TCCL1287	1	REVERSE SLEEVE / COLLARIN DE REVERSA
66	TCAS1289	3	BLOCKER RING 3 rd . / 4 th . / REVERSE / ANILLO SINCRO DE 3 ^a . 4 ^a . Y REVERSA
89	TCRA1314	2	THRUST WASHER 3 rd . GEAR & REVERSE / ROLDANA DE EMPUJE DE 3 ^a . Y REV.
90	TCES1315	1	3 rd . & 4 th . SYNCHRONIZER ASS'Y / CONJUNTO SINCRONIZADOR DE 3 ^a . Y 4 ^a .
91	TCCL1316	1	3 rd . & 4 th . SLEEVE / COLLARIN DE 3 ^a . Y 4 ^a .
92	TCES 1317	1	1 st . & 2 nd . SYNCHRONIZER ASS'Y / CONJUNTO SINCRONIZADOR DE 1 ^a . Y 2 ^a .
93	TCCL1319	1	1 st . & 2 nd . SLEEVE / COLLARIN DE 1 ^a . Y 2 ^a .
94	TCES1320	1	SYNCHRONIZER ASS'Y REVERSE GEAR / CONJUNTO SINCRONIZADOR DE REVERSA
95	TCCN1322	1	REVERSE CLUTCH CONE / CONO DE EMBRAGUE DE REVERSA
102	TCSJ1428	1	OIL SEAL BEARING RETAINER / SELLO DE ACEITE DEL RETEN BALERO
104	TCEN1432	1	GEAR REVERSE M.S. / ENGRANE DE REVERSA FLECHA PRINCIPAL
110	TCNS1438	9	INSERT SYNCHRONIZER / INSERTO SINCRONIZADOR
111	TCCN1461	1	3 rd . CLUTCH CONE / CONO DE EMBRAGUE ENGRANE DE 3 ^a .
112	TCEE1462	1	3 rd . GEAR SPEED ASS'Y M.S. / CONJUNTO ENGRANE DE 3 ^a . VELOCIDAD
113	TCMZ1533	1	1 st . & 2 nd . HUB SYNCHRONIZER / MAZA SINCRO. DE 1 ^a . Y 2 ^a .
114	TCMZ1534	1	3 rd . & 4 th . HUB SYNCHRONIZER / MAZA SINCRO. DE 3 ^a . Y 4 ^a .
115	TCMZ1535	1	REVERSE HUB SYNCHRONIZER / MAZA SINCRO DE REVERSA
116	10J00006	3	BALL / ESFERA
117	10J00008	1	BALL SPEEDOMETER / ESFERA DEL VELOCIMETRO
120	1300-132-009	4	2 nd . & 3 rd . NEEDLE BEARING ASS'Y / CONJUNTO RODILLO BALERO
121	1300-133-005	1	BEARING TAPERED ROLLER CUP / TAZA BALERO CONICO F.M.
122	1300-133-006	1	BEARING TAPERED ROLLER CONE / CONO BALERO CONICO F.M.
130	1386-037-005	AR	BEARING SHIM 0.55+/-0.013 MM / LAINA DE AJUSTE F.M.
131	1386-037-006	AR	BEARING SHIM 0.61+/-0.013 MM / LAINA DE AJUSTE F.M.
132	1386-037-007	AR	BEARING SHIM 0.66+/-0.013 MM / LAINA DE AJUSTE F.M.
133	1386-037-008	AR	BEARING SHIM 0.71+/-0.013 MM / LAINA DE AJUSTE F.M.
134	1386-037-012	AR	BEARING SHIM 0.76+/-0.013 MM / LAINA DE AJUSTE F.M.
135	1386-037-016	AR	BEARING SHIM 0.81+/-0.013 MM / LAINA DE AJUSTE F.M.
136	1386-037-019	AR	BEARING SHIM 0.83+/-0.013 MM / LAINA DE AJUSTE F.M.
137	1386-139-001	1	SNAP RING / SEGURO

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VER LISTA DE PARTES VARIABLES / SEE VARIABLE PARTS LIST GROUP

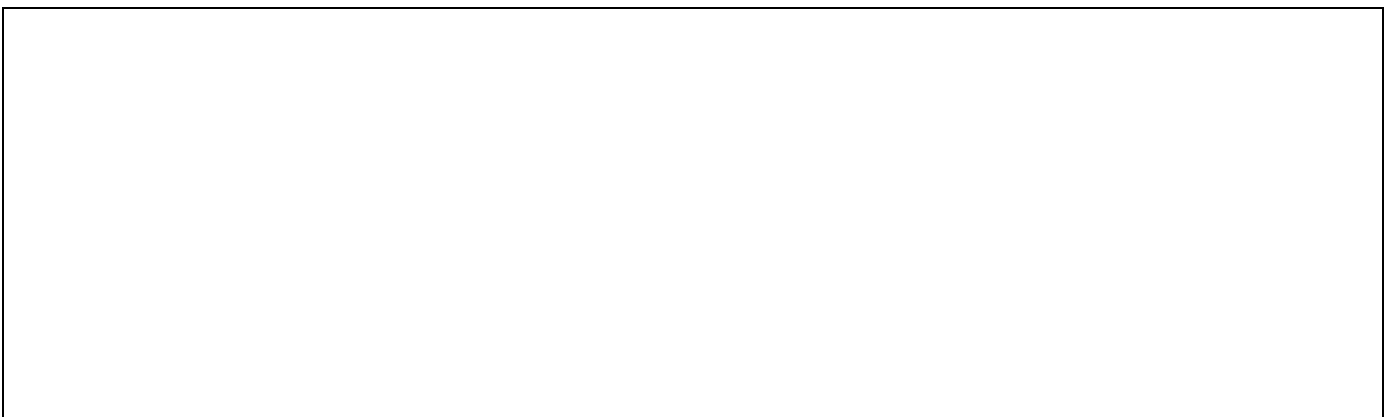
SECONDARY GEAR PARTS GROUP
GRUPO SECUNDARIO DE PARTES DE ENGRANES



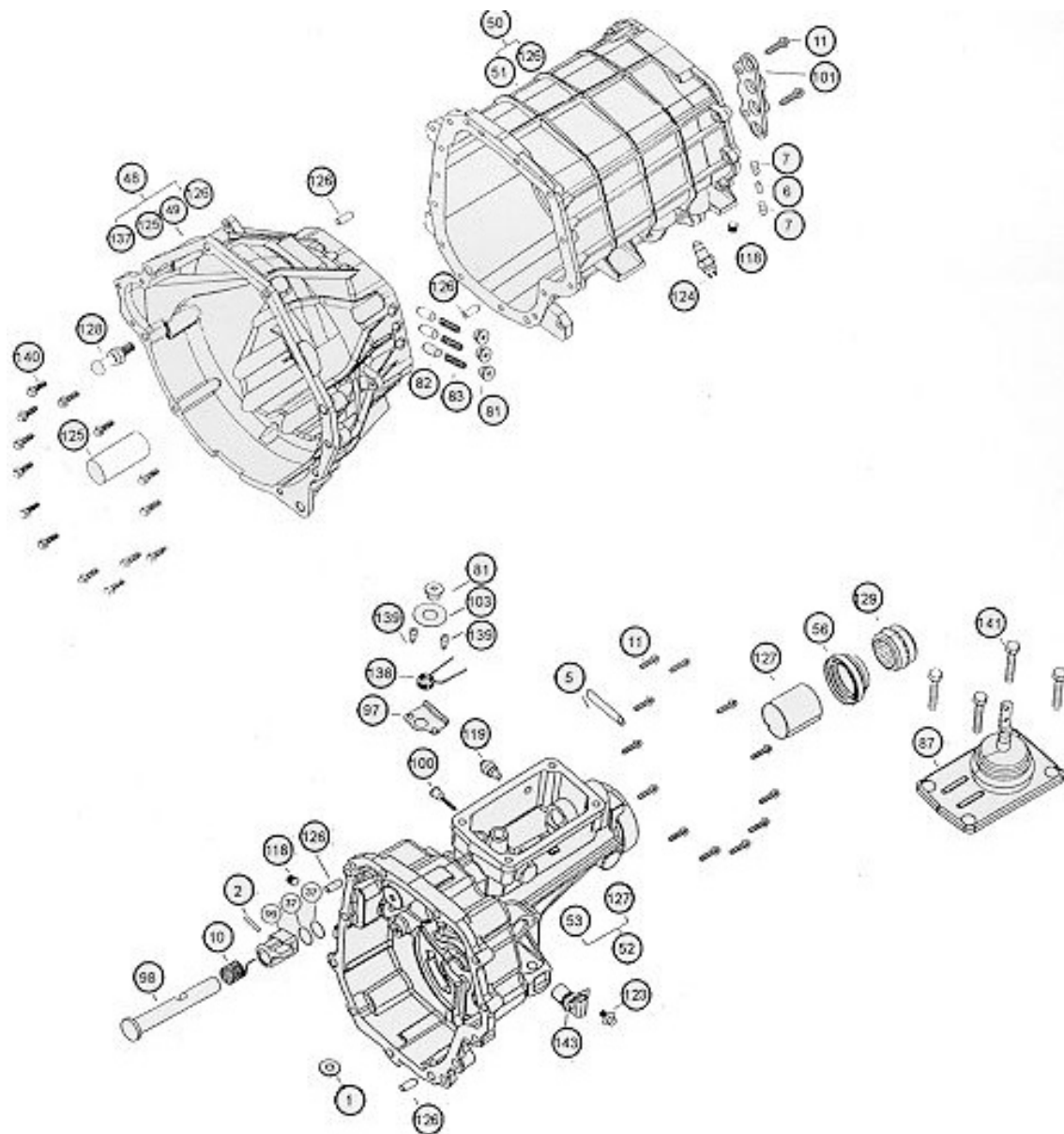
SECONDARY GEAR PARTS GROUP
GRUPO SECUNDARIO DE PARTES DE ENGRANES

No. DIBUJO ITEM No.	No. PARTE PART No.	CANT. QTY.	DESCRIPTION DESCRIPCION
16	TCMS0658	AR	SNAP RING 2.30+/-0.05 MM /SEGURO
17	TCMS0659	AR	SNAP RING 2.40+/-0.05 MM /SEGURO
18	TCMS0660	AR	SNAP RING 2.50+/-0.05 MM /SEGURO
19	TCMS0661	AR	SNAP RING 2.60+/-0.05 MM /SEGURO
20	TCRE0664	3	SPRING SYNCHRONIZER / RESORTE SINCRONIZADOR
25	TCMS0686	1	SNAP RING TOP INSERT / SEGURO TOPE DE LOS INSERTOS
28	TCMS0695	AR	BEARING SHIM C.S. / LAINA DE AJUSTE TREN DE ENG.
29	TCMS0696	AR	BEARING SHIM C.S. / LAINA DE AJUSTE TREN DE ENG.
30	TCMS0697	AR	BEARING SHIM C.S. / LAINA DE AJUSTE TREN DE ENG.
31	TCMS0698	AR	BEARING SHIM C.S. / LAINA DE AJUSTE TREN DE ENG.
32	TCBA0699	1	BEARING CONE & CUP ASS'Y C.S. / CONJUNTO BALERO TREN DE ENGRANES
33	TCBA0700	1	CUP BEARING / TAZA BALERO
34	TCBA0715	2	ROLLER BEARING GEAR 5 th . C.S. / BALERO DE RODILLOS ENGRANE DE 5 ^a .
35	TCBA0721	2	ROLLER BEARING GEAR REVERSE / BALERO DE RODILLOS ENGRANE DE REVERSA
36	TCSP0722	1	SPACER ROLLER BEARING GEAR REV. / ESPACIADOR DE BALERO DE RODILLOS REV.
38	TCBA0767	1	CONE BEARING / CONO DE BALERO CONICO
39	TCBA0776	1	BEARING CONE & CUP ASS'Y REAR C.S. / CONJUNTO BALERO CONICO TRASERO DEL T.E.
40	TCBA0777	1	CUP BEARING REAR C.S. / TAZA BALERO CONICO TRASERO DEL T.E.
41	TCBA0778	1	CONE BEARING REAR C.S. / CONO BALERO TRASERO DEL T.E.
42	TCSP0781	1	SPACER ROLLER BEARING 5 th . C.S. / ESPACIADOR RODILLO BALERO T.E.
43	TCEN0784	1	REVERSE IDLER GEAR / ENGRANE LOCO DE REVERSA
62	TCES1285	1	SYNCHRONIZER ASS'Y 5 th . GEAR C.S. / CONJUNTO SINCRONIZADOR DE 5 ^a . T.E.
63	TCEN1286	1	5 th . GEAR C.S. / ENGRANE DE 5 ^a . TREN DE ENGRANES
64	TCCL1287	1	5 th . SLEEVE / COLLARIN DE 5 ^a .
65	TCCF1288	1	COUNTER SHAFT / TREN DE ENGRANES
66	TCAS1289	1	BLOCKER RING 5 th . / ANILLO SINCRO DE 5 ^a .
96	TCCN1323	1	CLUTCH CONE 5 th . SPEED C.S. / CONO EMBRAGUE DEL ENGRANE DE 5 ^a . T.E.
105	TCRA1433	1	THRUST WASHER 5 th . GEAR C.S. / ROLDANA DE EMPUJE ENGRANE DE 5 ^a . T.E.
106	TCBR1434	1	REVERSE SHAFT RAIL / BARRA DEL ENGRANE DE REVERSA
107	TCTN1435	1	BOLT M8X1.25X60 TORX BOTTON HEAD / TORNILLO TORX
108	TCPT1436	1	REVERSE SUPPORT SHAFT / SOPORTE BARRA DEL ENGRANE DE REVERSA
109	TCSJ1437	1	O'RING / SELLO "O"
110	TCNS1438	3	INSERT SYNCHRONIZER / INSERTO DEL SINCRONIZADOR DE 5 ^a .
115	TCMZ1535	1	5 th . HUB SYNCHRONIZER / MAZA DEL SINCRONIZADOR DE 5 ^a .
116	10J00006	1	BALL / ESFERA

* VER LISTA DE PARTES VARIABLES / SEE VARIABLE PARTS LIST GROUP



TRANSMISSION CASE PARTS GROUP
GRUPO DE PARTES CAJA TRANSMISION



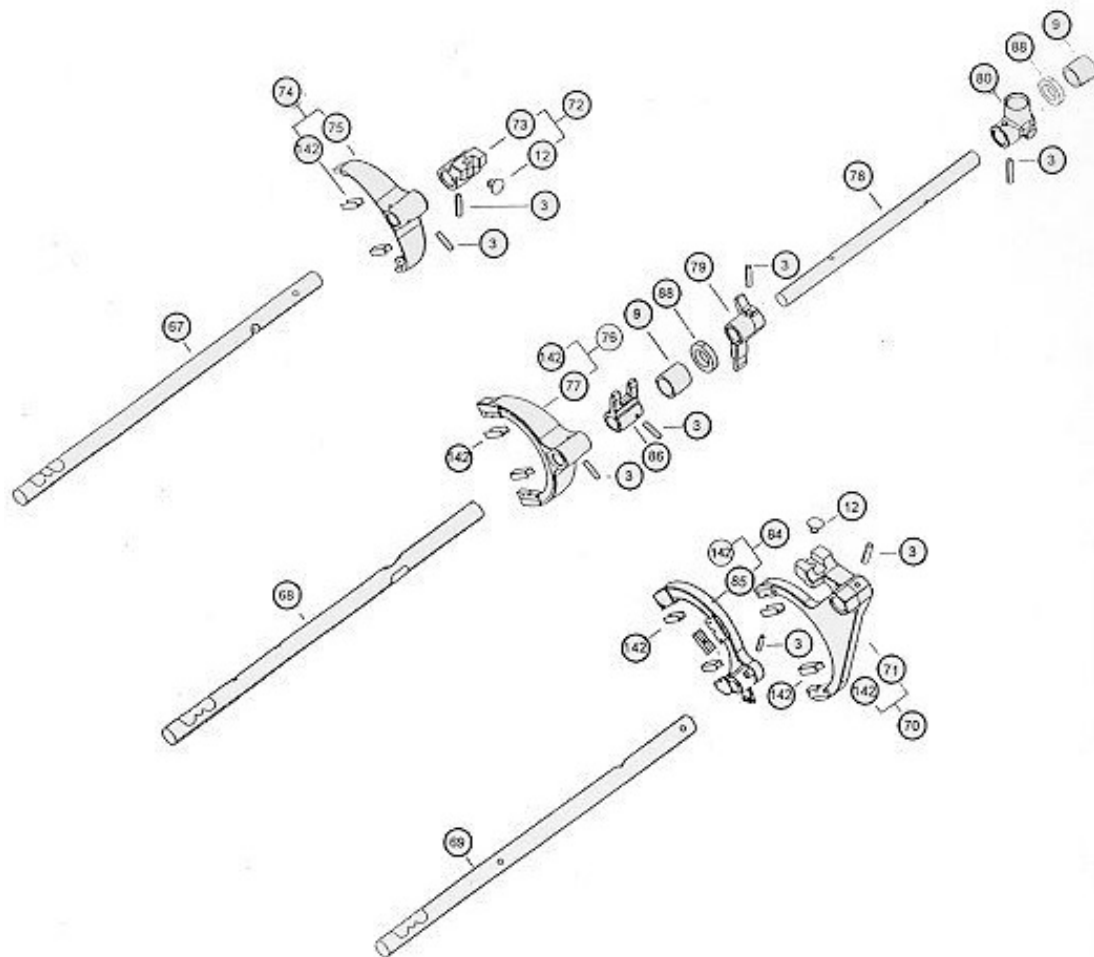
TRANSMISSION CASE PARTS GROUP
GRUPO DE PARTES CAJA TRANSMISION

No. DIBUJO ITEM No.	No. PARTE PART No.	CANT. QTY.	DESCRIPCION DESCRIPTION
1	4915	1	MAGNET / IMAN
2	2603897	1	ROLL PIN / PERNO SEGURO
6	2604832	1	CENTER INTERLOCK PIN / PERNO CERROJO
7	2604895	2	SHIFTER INTERLOCK / EMBOLO CERROJO
10	2606156	1	SPRING INHIBITOR / RESORTE INHIBIDOR
11	TCTN0614	14	BOLT METRIC WASHER HD / TORNILLO METRICO
37	TCSJ0725	2	O'RING INHIBITOR / ANILLO "O" DEL INHIBIDOR
48	TCEP1268	1	CLUTCH HOUSING ASS'Y / CONJUNTO CAMPANA DE EMBRAGUE
49	TCCM1269	1	CLUTCH HOUSING / CAMPANA DE EMBRAGUE
50	TCEP1270	1	TRANSMISSION CASE ASS'Y / CONJUNTO CAJA TRANSMISION
51	TCCA1271	1	TRANSMISSION CASE / CAJA TRANSMISION
52	TCEP1272	1	EXTENSION ASS'Y / CONJUNTO EXTENSION
53	TCEX1273	1	EXTENSION / EXTENSION
56	TCSJ1277	1	OIL SEAL EXTENSION / SELLO DE ACEITE DE LA EXTENSION
81	TCTA1304	4	DETENT PLUG / TORNILLO TORK
82	TCSP1305	3	DETENT / BUJE DE ENCASTRE
83	TCRE1306	3	ACTUATING SPRING / RESORTE DE ENCASTRE
87	TCEC1310	1	SHIFTER LEVER ASS'Y / CONJUNTO PALANCA DE CAMBIOS
97	TCPA1403	1	SPRING BASE TURRET / PLACA BASE DEL RESORTE
98	TCBR1404	1	RAIL REVERSE INHIBITOR / BARRA DEL INHIBIDOR DE REVERSA
99	TCTP1633	1	INHIBITOR REVERSE / INHIBIDOR DE REVERSA
100	TCTN1407	1	PIN INHIBITOR RETAINER BAR / TORNILLO SUJETADOR DE BARRA
101	TCPT1427	1	INTERLOCK SUPPORT / SOPORTE DE ENCASTRE
103	TCRA1429	1	WASHER SPRING RETENTION / ROLDANA DEL RESORTE DEL RETEN
118	1300-052-007	2	DRAIN PLUG & FILLER PLUG / TAPON DE LLENADO Y DRENADO
119	1300-072-005	1	BREATHER / RESPIRADERO
123	1300-183-038	1	CAP SCREW HEX HEAD SENSOR / TORNILLO DEL SENSOR
124	1332-140-005	1	SWITC ASS'Y BACKUP LAMP / INTERRUPTOR DE REVERSA
125	1381-034-001	1	TUB RETAINER BEARING / TUBO RETEN BALERO
126	1381-043-001	4	DOWEL PIN / PERNO GUIA
127	1381-127-002	1	BUSHING EXTENSION HOUSING / BUJE DE LA EXTENSION
128	1381-146-001	1	STUD CLUTCH RELEASE LEVER / TORNILLO PIVOTE
129	1386-016-002	1	SEAL OUTPUT SPLINE / SELLO ESTRIA FLECHA PRINCIPAL
138	1386-156-014	1	SPRING CENTERING SHIFT CONTROL / RESORTE POSICIONADOR PALANCA CTRL
139	1386-183-002	2	BOLT SHOULDER / TORNILLO DE HOMBRO
140	1386-183-004	14	BOLT METRIC HEX WASHER HEAD / TORNILLO METRICO
141	1386-183-005	4	BOLT METRIC HEX. WASHER HEAD / TORNILLO CON ROLDANA
143	4400-640-019	1	SENSOR SPEEDOMETER

* VER LISTA DE PARTES VARIABLES / SEE VARIABLE PARTS LIST GROUP



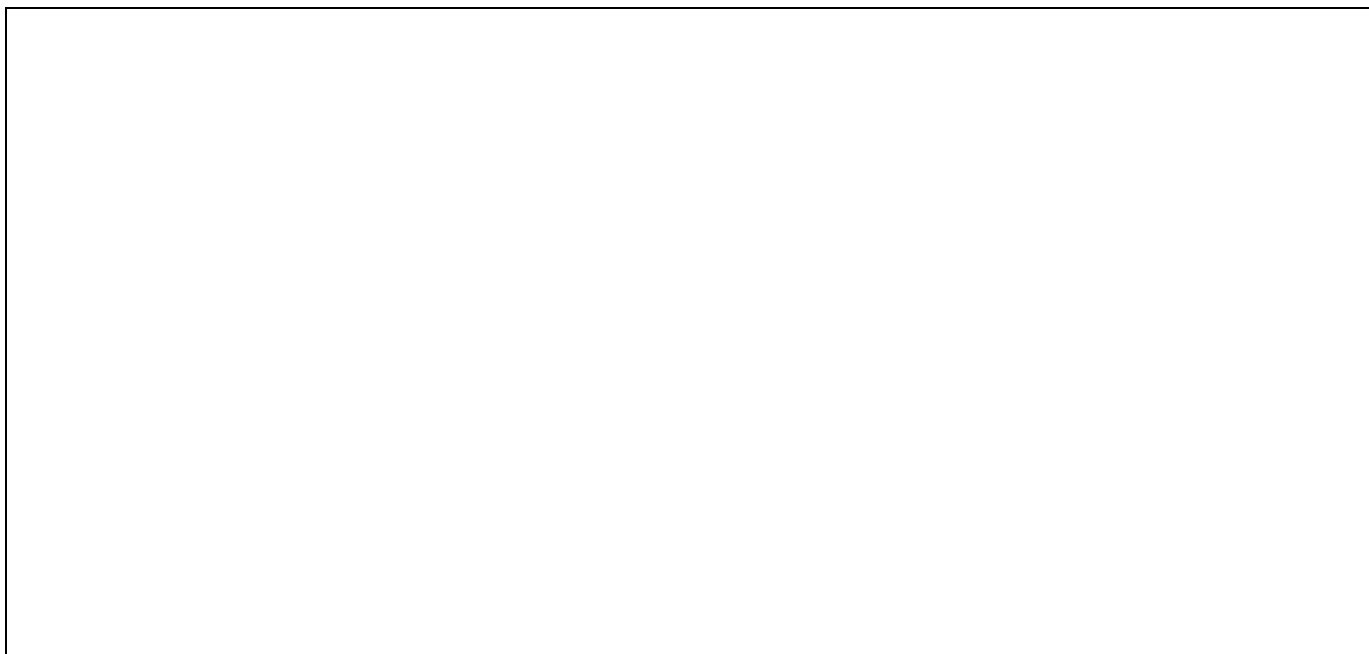
CONTROL PARTS GROUP
GRUPO DE PARTES DE CONTROL



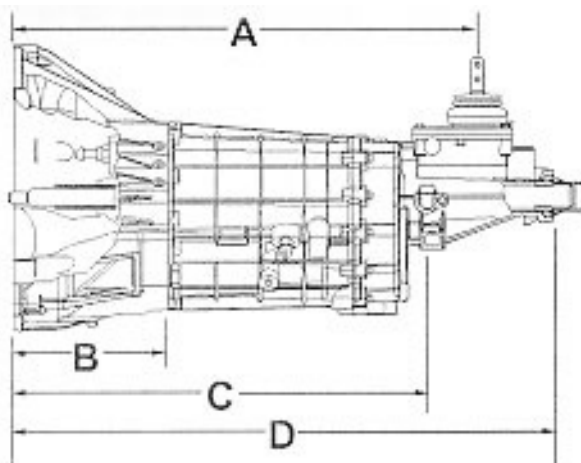
CONTROL GRUOP PARTS
GRUPO PARTES DE CONTROL

No. DIBUJO ITEM No.	No. PARTE PART No.	CANT. QTY.	DESCRIPCION DESCRIPTION
3	2604154	8	ROLL PIN / PERNO SEGURO
9	2605858	2	ROLLER BEARING SELECTOR ARM / BALERO LINEAL BARRA SELECTORA
12	TCNS0627	2	NYLON STOP / TOPE DE NYLON
67	TGBR1290	1	1 st . & 2 nd . SHIFT RAIL / BARRA DE 1 ^a : Y 2 ^a .
68	TGBR1291	1	3 rd . & 4 th . SHIFT RAIL / BARRA DE 3 ^a : Y 4 ^a .
69	TGBR1292	1	5 th . & REV. SHIFT RAIL / BARRA DE 5 ^a : Y REVERSA
70	TCEC1293	1	5 th . FORK SHIFT ASS'Y / CONJUNTO HORQUILLA DE 5 ^a .
71	TCHR1294	1	5 th . FORK SHIFT / HORQUILLA DE 5 ^a .
72	TCEC1295	1	1 st . & 2 nd . GATE ASS'Y / CONJUNTO TOPE DE 1 ^a . Y 2 ^a .
73	TCTP1296	1	1 st . & 2 nd . GATE / TOPE DE 1 ^a . Y 2 ^a .
74	TCEC1297	1	1 st . & 2 nd . FORK SHIFT ASS'Y / CONJUNTO HORQUILLA DE 1 ^a . Y 2 ^a .
75	TCHR1298	1	1 st . & 2 nd . FORK SHIFT / HORQUILLA DE 1 ^a . Y 2 ^a .
76	TCEC1299	1	3 rd . & 4 th . FORK SHIFT ASS'Y / CONJUNTO HORQUILLA DE 3 ^a . Y 4 ^a .
77	TCHR1300	1	3 rd . & 4 th . FORK SHIFT / HORQUILLA DE 3 ^a . Y 4 ^a .
78	TGBR1301	1	SELECTOR RAIL / BARRA SELECTORA
79	TCTP1302	1	ARM SELECTOR INHIBITOR / SELECTOR DEL INHIBIDOR
80	TCTP1303	1	SEAT SELECTOR GATE / ASIENTO DEL TOPE SELECTOR
84	TCEC1307	1	REVERSE FORK SHIFT ASS'Y / CONJUNTO HORQUILLA DE REVERSA
85	TCHR1308	1	REVERSE FORK SHIFT / HORQUILLA DE REVERSA
86	TCTP1309	1	3 rd . & 4 th . GATE / TOPE DE 3 ^a . Y 4 ^a .
88	TCSP1311	2	SPACER FRONT / ESPACIADOR FRONTAL
142	1386-235-001	9	PAD SHIFT FORK / INSERTO DE HORQUILLA

* VER LISTA DE PARTES VARIABLES / SEE VARIABLE PARTS LIST GROUP



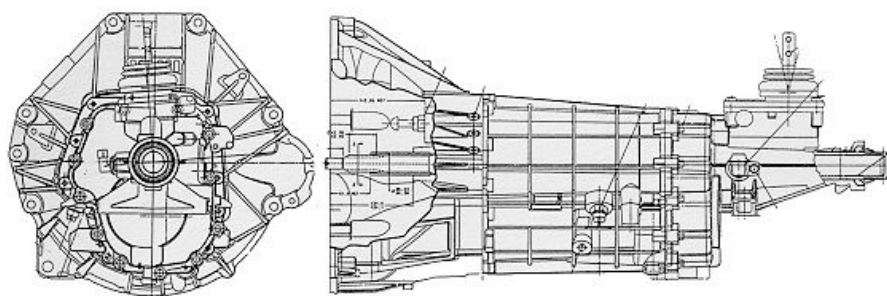
SPECIFICATIONS



1).- TR-3650

TR-3650 SERIE LAY OUT DIMENSION						
DIMENSIONES DE LA SERIE TR-3650						
MODEL MODELO	A	B	C	D	E	F
TR-3650	689.00 mm	230.50 mm	623.00 mm	802.30 mm	78.00 mm	124.50 mm
	27.13 "	9.07"	24.53"	31.59 "	3.07 "	4.90 "
MODEL MODELO	G	H	I	J	K	L
TR-3650	36.415 mm	28.64 mm	16.985 mm	505.50 mm		
	1.43 "	1.13 "	0.67 "	19.90"		

SPECIFICATIONS



TR-3650 SERIES GEAR RATIOS
RELACION DE ENGRANES DE LA SERIE TR-3650

1 ST . 1 ^a .	2 ND . 2 ^a .	3 RD . 3 ^a .	4 TH . 4 ^a .	5 TH . 5 ^a .	REV.	REV.	MODEL
3.38	2.00	1.32	1.00	0.67	3.38		TR-3650

GENERAL SPECIFICATIONS
ESPECIFICACIONES GENERALES

CASE OF LENGTH (LONGITUD DE LA CAJA)	31.58" (802.3mm)
WEIGHT (PESO)	119.6 Lb. (54Kgs.)
TYPE OF REVERSE (TIPO DE REVERSA)	CONSTANT MESH SYNCHRONIZER
OIL CAPACITY (CAPACIDAD DE ACEITE) MOBIL 1 SYNTHETIC ATF	7.96Pt. (3.8 L)

TRANSMISSION MODEL TR-3650, 5 SPEED REPAIR KITS
JUEGOS DE REPARACION PARA CAJAS DE 5 VELOCIDADES MODELO TR-3650

NUMBER	COMPONENT	DESCRIPTION	QTY.
TCKT	OVERHAUL KIT / JUEGO DE REPARACION GENERAL		
	TCKT1103	SNAP RING KIT / JUEGOS DE SEGUROS	1
	TCKT1607	3 rd . & 4 th . SYNCHRONIZER KIT / JUEGO SINCRONIZADOR 3 ^a . Y 4 ^a .	1
	TCKT1612	1 st . & 2 nd . SYNCHRONIZER KIT / JUEGO SINCRONIZADOR 1 ^a . Y 2 ^a .	1
	TCKT1613	ROLLER BEARING GEAR 5 th . KIT / JUEGO DE BAL. DE RODILLOS DE 5 ^a .	1
	TCKT1614	ROLLER BEARING REVERSE KIT / JUEGO DE BAL. RODILLOS DE REV.	1
TCKT1103	SNAP RING KIT / JUEGO DE SEGUROS		
	TCMS0695	BEARING SHIM C.S. / LAINA DE AJUSTE TREN DE ENG.	1
	TCMS0696	BEARING SHIM C.S. / LAINA DE AJUSTE TREN DE ENG.	1
	TCMS0697	BEARING SHIM C.S. / LAINA DE AJUSTE TREN DE ENG.	1
	TCMS0698	BEARING SHIM C.S. / LAINA DE AJUSTE TREN DE ENG.	1
TCKT1607	3rd. & 4th. SYNCHRONIZER KIT / JUEGO SINCRONIZADOR 3^a. Y 4^a.		
	TCAS1289	BLOCKER RING 3 rd . / 4 th . /REV. / ANILLO SINCRO DE 3 ^a . 4 ^a . Y REVERSA	2
	TCES1315	3 rd . & 4 th . SYNCHRO. ASS'Y / CONJ. SINCRONIZADOR DE 3 ^a . Y 4 ^a .	1
TCKT1608	INTERLOCK KIT / JUEGO DE SELECCIÓN		
	2604832	CENTER INTERLOCK PIN / PERNO CERROJO	1
	2604895	SHIFTER INTERLOCK / EMBOLO CERROJO	2
TCKT1609	DETENT KIT / JUEGO DE ENCASTRE		
	TCTA1304	DETENT PLUG / TORNILLO TORK	3
	TCSP1305	DETENT / BUJE DE ENCASTRE	3
TCKT1610	CENTERING SHIFT CONTROL / JUEGO CENTRADO DE LA PALANCA DE CAMBIOS		
	TCTA1304	DETENT PLUG / TORNILLO TORK	1
	TCPA1403	SPRING BASE TURRET / PLACA BASE DEL RESORTE	1
	TCRA1429	WASHER SPRING RETENTION / ROLDANA DEL RESORTE DEL RETEN	1
	1386-156-014	SPRING CENTERING SHIFT CONTROL / RESORTE POSICION PAL. CTRL	1
TCKT1611	INHIBITOR REVERSE KIT / JUEGO INHIBIDOR DE REVERSA		
	2603897	ROLL PIN / PERNO SEGURO	1
	2606156	SPRING INHIBITOR / RESORTE INHIBIDOR	1
	TCBR1404	RAIL REVERSE INHIBITOR / BARRA DEL INHIBIDOR DE REVERSA	1
	TCTP1633	INHIBITOR REVERSE / INHIBIDOR DE REVERSA	1
TCKT1612	1st. & 2nd. SYNCHRONIZER KIT / JUEGO SINCRONIZADOR 1^a. Y 2^a.		
	TCAS0673	1 st . & 2 nd . BLOCKER RING / ANILLO SINCRONIZADOR 1 ^a .-2 ^a .	2
	TCAS0674	1 st . & 2 nd . BLOCKER RING & LINING ASS'Y / ANILLO DE FRENAD. 1 ^a .-2 ^a .	2
	TCAS0675	1 st . & 2 nd . BLOCKER RING / ANILLO SINCRONIZADOR	2
	TCES 1317	1 st . & 2 nd . SYNCHRONIZER ASS'Y / CONJ. SINCRO. DE 1 ^a . Y 2 ^a .	1
TCKT1613	ROLLER BEARING GEAR 5th. KIT / JUEGO DE BALERO DE RODILLOS DE 5^a.		
	TCBA0715	ROLLER BEARING GEAR 5 th . C.S. / BAL. DE RODILLOS ENGR. DE 5 ^a .	2
	TCSP0781	SPACER ROLLER BEARING 5 th . C.S. / ESPACIADOR RODILLO BAL.T.E.	1
TCKT1614	ROLLER BEARING REVERSE KIT / JUEGO DE BALERO DE RODILLOS DE REVERSA		
	TCBA0721	ROLLER BEARING GEAR REVERSE / BAL. DE RODILLOS ENGR. REVER.	2
	TCSP0722	SPACER ROLLER BEARING GEAR REV. / ESPACIADOR BAL. ROD. REV.	1
TCKT1615	BOLT & O'RING KIT / JUEGO TORNILLO SOPORTE DE REVERSA		
	TCTN1435	BOLT M8X1.25X60 TORX BOTTON HEAD / TORNILLO TORX	1
	TCSJ1437	O'RING / SELLO "O"	1
TCKT1619	INTERLOCK SUPPORT KIT / JUEGO SOPORTE DE ENCASTRE		
	TCTN0614	BOLT METRIC WASHER HD / TORNILLO METRICO	2
	TCTP1427	INTERLOCK SUPPORT / SOPORTE DE ENCASTRE	1
TCKT1620	BEARING TAPERED ROLLER KIT / JUEGO BALERO CONICO FLECHA DE MANDO		
	1300-133-005	BEARING TAPERED ROLLER CUP / TAZA BALERO CONICO F.M.	1
	1300-133-006	BEARING TAPERED ROLLER CONE / CONO BALERO CONICO F.M.	1

