

March Engineering Ltd
89T KIT LIST.
OPTIONS AND DEVELOPMENTS.

* = Part of next assembly.

	Description	No.	Part Number	
1	CLUTCH PIVOT BRACKET	1	89T-07-17	*
2	1/4" UNC x 3/4" BOLT	2	12-8-2	*
3	3/8" UNF x 1" CAPHEAD BOLT	1	12-5-2	*
4	3/8" ID WASHER	1	20-1-8	*
5	ROD END BRG (M) ARHT5ECR	1	15-7-9	*
6	3/8" UNF RH LOCKNUT	1	13-4-8	*
7	3/8" ID WASHER	1	20-1-8	*
8	3/8" ID AIRCRAFT WASHER	1	20-4-13	*
9	3/8" UNF 'K' NUT	1	13-2-1	*
10	CLUTCH PIVOT INSERT	2	89T-07-25	*
11	CLUTCH RELEASE LEVER	1	89T-07-21	*
12	AN 174-12 BOLT	1	12-47-12	*
13	1/4" ANODISED WASHER AN960PD416	2	20-5-12	*
14	1/4" U.N.F. 'K' NUT	1	13-2-3	*
15	CLUTCH LEVER TO CYLINDER PIN	1	89T-07-22	*
16	CLUTCH LEVER SLIDEWAY	1	89T-07-23	*
17	10/32" UNF x 5/8" CAPHEAD	2	12-25-5	*
18	TILTON RELEASE BEARING 62-002	1	18-7-14	*
19	CLUTCH RELEASE BEARING CARRIER	1	89T-07-14	*
20	CLUTCH PISTON SUPPORT BEARING	1	89T-07-10	*
21	LARGE CARRIER BUSH	1	89T-07-15	*
22	CLUTCH RELEASE SLIDER	2	89T-07-20	*
23	CARRIER BOLT	2	89T-07-18	*
24	CRINKLE WASHER W 61400 R	2	20-8-6	*

March Engineering Ltd
 89T KIT LIST.
 OPTIONS AND DEVELOPMENTS(CON,T).

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	Description	No.	Part Number	
25	SLAVE CYLINDER MINIMATIC 7D-1	1	8-56-12	*
26	CLUTCH SLAVE CYLINDER PISTON	1	89T-07-26	*
27	PISTON SEAL AP R(E)6343871-734	1	33-23-5	*
28	ROD SEAL 12500-250-E4207	0	33-23-6	*
29	O RING 200-018-2064	1	33-23-4	*
30	CLUTCH SLAVE CYLINDER END	1	89T-07-16	*
31	JIC-NPTF T PIECE 826-3D	1	81-8-3	*
32	ROD END JOINT (M) RMP4U	1	15-1-1	*
33	1/4" UNF HALF LOCK NUT	2	13-3-7	*
34	ROD END JOINT AFR 4	1	15-13-11	*
35	ANTI KNOCK BACK SPRING	1	16-21-8	*
36	ROD END STEP WASHER	1	89T-07-24	*
37	1/4" U.N.F. 'K' NUT	1	13-2-3	*
38	SLAVE CYLINDER MOUNT	1	89T-07-19	*
39	AN4 10A BOLT	1	12-35-13	*
40	1/4"ANODISED WASHER AN960PD416	1	20-5-12	*
41	6mm x 1mm x 18mm BOLT	2	12-50-14	*
42	1/4"ANODISED WASHER AN960PD416	2	20-5-12	*
43	NOSE PIECE	1	89T-07-13	*
44	LEVER CLUTCH ASSEMBLY	1		T

March Engineering Ltd
 89T KIT LIST.
 C.W.P. STEP UP GEARS & GEAR RATIOS(CON,T).

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	Description	No.	Part Number
73	WIDE FIFTH GEAR RATIO 23:33	1	85T-04-52
74	WIDE FIFTH GEAR RATIO 23:32	1	85T-04-53
75	23:31 WIDE FIFTH GEAR RATIO	1	89T-04-22
76	WIDE FIFTH GEAR RATIO 24:32	1	85T-04-54
77	WIDE FIFTH GEAR RATIO 24:31	1	85T-04-87
78	24:30 WIDE FIFTH GEAR RATIO	1	89T-04-23
79	WIDE FIFTH GEAR RATIO 25:31	1	85T-04-97
80	WIDE FIFTH GEAR RATIO 25:30	1	85T-04-55
81	25:29 WIDE FIFTH GEAR RATIO	1	89T-04-24
82	WIDE FIFTH GEAR RATIO 26:30	1	85T-04-56
83	WIDE FIFTH GEAR RATIO 23:26	1	85T-04-91
84	WIDE FIFTH GEAR RATIO 26:29	1	85T-04-57
85	WIDE FIFTH GEAR RATIO 24:26	1	85T-04-92
86	WIDE FIFTH GEAR RATIO 27:29	1	85T-04-58
87	WIDE FIFTH GEAR RATIO 27:28	1	85T-04-59
88	WIDE FIFTH GEAR RATIO 28:28	1	85T-04-93

March Engineering Ltd
 89T KIT LIST.
 SERVICE TOOLS.

* = Part of next assembly.

	Description	No.	Part Number	
1	DUMMY PINION SHAFT	1	89T-10-04	*
2	PINION BEARING ASSEMBLY	1	DGB-2221A	*
3	FORKSETTING JIG STUD	3	89T-10-01	*
4	PINION BEARING LOCK NUT	1	89T-05-02	*
5	LAYSHAFT NOSE BEARING	1	18-20-10	*
6	LAYSHAFT NOSE BEARING HOUSING	1	85T-01-03	*
7	FORK SET JIG ASSEMBLY	1		T
8	PINION DEPTH JIG	1	89T-10-03	
9	PINION SHAFT SOCKET	1	85T-10-04	
10	PINION RET NUT SPANNER	1	85T-10-10	
11	FORK SETTING JIG BACKPLATE	1	89T-10-02	
12	TOOL SELECTOR FINGER SEAL	1	89T-10-05	
13	TOOL CLUTCH PISTON SEAL	1	89T-10-06	
14	PORSCHE STARTER SHAFT	1	89T-11-03	
15	PORSCHE STARTER SOCKET	1	89T-11-04	
16	1/4" UNF x 3/8" GRUB SCREW	1	12-49-11	

LEVER OPERATED CLUTCH

PIVOT BRACKET	1-OFF	89T-07-17
BOLT $\frac{1}{4}$ -20 UNF x $\frac{3}{4}$ LG.	2-OFF	
BOLT $\frac{3}{8}$ -24 UNF x 1-0 LG.	1-OFF	
WASHER $\frac{3}{8}$ I.D.	1-OFF	
ROD END ARBIT SECK	1-OFF	
NUT $\frac{1}{4}$ -20 UNF	1-OFF	
WASHER $\frac{3}{8}$ I.D.	1-OFF	
AIRCRAFT WASH. $\frac{3}{8}$ I.D.	1-OFF	
K-NUT $\frac{3}{8}$ -24 UNF	1-OFF	
PIVOT INSERT	2-OFF	89T-07-2
CUMMER RELEASE LEVER	1-OFF	89T-07-2
BOLT $\frac{1}{4}$ -UNF x 1 $\frac{3}{8}$ LG. AN174-12A	1-OFF	
AIRCRAFT WASHER $\frac{1}{4}$ I.D.	2-OFF	
K-NUT $\frac{1}{4}$ -UNF	1-OFF	
LEVER-CYL. CONNECTING PIN	1-OFF	89T-07-2
LEVER SLIDEWAY	1-OFF	89T-07-2
CAPSCREW 10-32 UNF x $\frac{5}{8}$ LG.	2-OFF	

RELEASE BRG. TILTON 62-002	1-OFF	
RELEASE ENCL. CARRIER	1-OFF	89T-07-14
SUPPORT BRG.	1-OFF	89T-07-10
COUPLER BUSH. LARGE	1-OFF	89T-07-15
RELEASE SLIDER	2-OFF	89T-07-20
CARRIER BOLT	2-OFF	89T-07-18
SCREW WASHER SPEC W 61400 R	2-OFF	
SLAVE CYL. CLIPPER MINIMATIC 70-1	1-OFF	
MODIFIED PISTON	1-OFF	
PISTON SEAL. A.P. R(E) 634-3871-734	1-OFF	
ROD SEAL. PARKER 12500-250-E4207	1-OFF	
O-RING 200-018-2064	1-OFF	
CYLINDER END	1-OFF	89T-07-16
JIC-NPTF TEE. GOLDRIDGE S26-3D	1-OFF	
ROD END ROSE NIP 4-V	1-OFF	
HALF NUT 1/4 UNF	2-OFF	
ROD END NMB AFR 4	1-OFF	
ANTI-KNOCKBACK SPRING. A.P.	1-OFF	

STEEL WASHER	2-OFF	89t-07-24
NUT 1/4 UNF	1-OFF	
STEEL CON. METAL BRK	1-OFF	89t-07-19
BOLT 1/4 UNF x 1 1/2	AN174-10A 1-OFF	
ALUMINUM WASHER 1/4 I.D.	1-OFF	
BOLT 6mm x 0.75 x 18mm L.G.	2-OFF	
AIRCRAFT WASHER 1/4 I.D.	2-OFF	

LONG DRIVESHAFT SPOOL

SPOOL	1-OFF	89T-02-21
SPOOL END CAP	2-OFF	89T-02-19
O-RING BS 045	2-OFF	33-20-11
STUD	16-OFF	89T-02-32
C.V. JOINT OUTER YOKE	2-OFF	89P-10-05
C.V. JOINT CENTRE	2-OFF	89P-10-04
C.V. JOINT CAGE	2-OFF	89P-07-04
C.V. JOINT BALLS	12-OFF	87C-10-05
SPOOL SPACER	2-OFF	89T-02-20
O-RING BS 237	2-OFF	33-5-6
SHIMS .005 - .020		89T-02-22
SIDEPLATE L.H.	1-OFF	89T-02-27
SIDEPLATE R.H.	1-OFF	89T-02-28
SEAL L.H. DOWTY 65x85x10 DSSK 9076	1-OFF	
SEAL R.H. " " " " " 9075	1-OFF	
GAITER MTP 79	2-OFF	8-4-7-9
LONG DRIVESHAFT	2-OFF	89P-10-06

STANDARD DRIVESHAFT SPOOL

SPOOL	1-OFF	89T-02-21
RETAINING PLATE	2-OFF	89T-02-41
STUDS	16-OFF	89T-02-32
C.V. ADAPTOR	2-OFF	89T-02-35
SPOOL SPACER	2-OFF	89T-02-20
SHIMS .005 - .020		89T-02-22

March Engineering Ltd
89T KIT LIST.
MAINCASE.

* = Part of next assembly.

	Description	No.	Part Number	
1	PORSCHE FRONT GEARBOX MAINCASE	1	89T-01-04	
2	1 3/8" CORE PLUG	2	8-55-15	
3	0.70" DIA 'O' RING (Per foot)	1	33-5-13	
4	PORSCHE REAR GEARBOX CASING	1	89T-01-03	
5	1/8" BSPT X 3/8" BLANKING PLUG	6	12-32-2	
6	HOLLOW DOWEL	3	85T-01-11	
7	FWD TO RWD MAINCASE DOWEL STUD	2	89T-01-15 89T-01-48	
8	FWD TO RWD MAINCASE 3/8" STUD	9	89T-01-14	
9	3/8" UNF 'K' NUT	11	13-2-1	
10	3/8" ID THIN WASHER	11	20-1-3	
11	SHORT SIDEPLATE RETAINING STUD	12	89T-02-36	
12	LONG SIDEPLATE RETAINING STUD	8	89T-02-37	
13	10/32" UNF 'K' NUT	20	13-7-7	
14	DRAIN PLUG	1	89T-01-24	
15	MAGNET E 821	1	18-27-5	
16	10/32" x 1/2" CAPHEAD	1	12-25-4	
17	5/8" ID COPPER WASHER	1	20-8-4	
18	CLUTCH INPUT SHAFT	1	89T-08-02	
19	CLUTCH SHAFT CIRCLIP D1400-25	1	18-23-14	
20	SEAL VITON 27-41-10	1	33-20-10	*
21	CLUTCH SHAFT HOUSING BEARING	1	18-20-15	*
22	SPIGOT HOUSING CIRCLIP	1	FT-24410	*
23	O RING BS 136	1	33-3-14	*
24	SHAFT HOUSING ASSEMBLY	1		

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 89T KIT LIST.
 MAINCASE(CON,T).

* = Part of next assembly.

	Description	No.	Part Number	
25	LAYSHAFT NOSE BEARING HOUSING	1	89T-01-13	*
26	LAYSHAFT NOSE BEARING K 37x42x22	1	18-20-10	*
27	BEARING HOUSING CIRCLIP	1	18-20-11	*
28	BEARING HOUSING RETAINING BOLT	2	12-27-4	*
29	LAYSHAFT HSG. ASSEMBLY	1		T
30	REVERSE IDLER SPIGOT	1	89T-05-06	*
31	RETAINING BOLT AN4 H16A	2	12-47-10	
32	1/4" ID WASHER AN960-D416L	2	20-6-9	
33	REVERSE IDLER GEAR	1	85T-04-17	*
34	REVERSE IDLER BEARING	1	18-22-12	*
35	REVERSE IDLER WASHER	1	FT-2374	*
36	1/2" U.N.F. 'K' NUT	1	13-2-4	*
37	REVERSE IDLER ASSEMBLY	1		T
38	5/16" END COVER-MAINCASE STUD	7	89T-01-21	
39	5/16" END COVER-MAINCASE STUD	1	89T-01-22	
40	5/16" BRG CARRIER-MAINCASE STUD	1	89T-01-23	
41	5/16" U.N.F. 'K' NUT	9	13-2-2	
42	5/16" WASHER (AN960-PD516)	9	20-5-13	
43	ROSAN INSERT SR 192L	1	22-6-14	
44	ROSAN INSERT SR 314L	17	22-6-13	
45	ROSAN INSERT SR 258L	20	22-7-2	
46	RING DOWEL	1	89T-01-16	
47	OIL PUMP LONG STUD	2	89T-01-17	
48	OIL PUMP SHORT STUD	1	89T-01-18	

March Engineering Ltd
 89T KIT LIST.
 MAINCASE(CON,T).

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	Description	No.	Part Number
49	10/32" UNF 'K' NUT	3	13-7-7
50	10/32" WASHER (AN960-PD10)	3	20-6-3
51	STEP UP GEAR BRG HOUSING STUD	4	89T-01-31
52	1/4" U.N.F. 'K' NUT	4	13-2-3
53	REAR GEARSHIFT ROD BEARING	1	89T-01-25
54	SELECTOR FINGER LIPSEAL	1	18-18-4
55	REAR GEARSHIFT ROD	1	89T-05-10
56	STEP UP GEAR BAFFLE	1	89T-01-32
57	GEARBOX FRONT BAFFLE	1	89T-01-37
58	CATCH TANK CORE PLUG	1	89T-01-34
59	THREADED CATCH TANK CORE PLUG	1	89T-01-40
60	CATCH TANK DRAIN PLUG	1	89T-01-41

March Engineering Ltd
89T KIT LIST.
BEARING CARRIER.

* = Part of next assembly.

	Description	No.	Part Number	
1	BEARING CARRIER	1	89T-01-10	*
2	0.70" DIA 'O' RING (Per foot)	1	33-5-13	
3	HOLLOW DOWEL	2	89T-01-20	*
4	SELECTOR FINGER	1	89T-05-04	*
5	AN 174-12 BOLT	1	12-47-12	*
6	SELECTOR FINGER SQUARE	1	89T-05-11	*
7	SELECTOR FINGER BRG MB 1612 DU	1	8-55-3	*
8	SELECTOR FINGER SEAL	1	33-19-3	*
9	PINION TAIL BEARING	1	18-23-11	*
10	LAYSHAFT TAIL BEARING	1	18-23-12	*
11	FIRST REVERSE SELECTOR ROD	1	85T-05-36	*
12	SELECTOR ROD DETENT SCREW	1	FT-2023	*
13	SELECTOR ROD DETENT SPRING	2	FT-2022	*
14	DETENT BALL BEARING	2	18-21-7	*
15	INTERLOCK	1	85T-05-14	*
16	1ST/REV SELECTOR ROD SPACER	1	85T-05-37	*
17	SELECTOR ROD SHIM .070"-.185"	1	FT-2463	*
18	FIRST REVERSE SELECTOR FORK	1	85T-05-58	* 89T-05-14
19	SELECTOR FORK RETAINING NUT	1	FT-2462	*
20	FIRST REVERSE SLIDING GEAR	1	85T-05-03	
21	FIRST REVERSE HUB	1	85T-05-35	
22	NEEDLE ROLLER BEARING	2	18-23-10	
23	2ND/3RD SELECTOR ROD	1	85T-05-38	*
24	SELECTOR ROD DETENT SCREW	1	FT-2023	*

March Engineering Ltd
89T KIT LIST.
BEARING CARRIER(CON,T).

* = Part of next assembly.

	Description	No.	Part Number	
25	SELECTOR ROD DETENT SPRING	2	FT-2022	*
26	DETENT BALL BEARING	2	18-21-7	*
27	INTERLOCK	1	85T-05-14	*
28	2ND/3RD SELECTOR ROD SPACER	1	85T-05-39	*
29	SELECTOR ROD SHIM .070"-.185"	1	FT-2463	*
30	SECOND THIRD SELECTOR FORK	1	85T-05-55	*
31	SELECTOR FORK RETAINING NUT	1	FT-2462	*
32	DOG RING	1	86T-05-16	
33	HEWLAND DOG RING	1	18-26-10	
34	2nd/3rd HUB	1	87T-05-01	
35	NEEDLE ROLLER BEARING	2	18-23-10	
36	4TH/5TH SELECTOR ROD	1	85T-05-17	*
37	SELECTOR ROD DETENT SCREW	1	FT-2023	*
38	SELECTOR ROD DETENT SPRING	2	FT-2022	*
39	DETENT BALL BEARING	2	18-21-7	*
40	1/8" BSPT X 3/8" BLANKING PLUG	1	12-32-2	*
41	4TH/5TH SELECTOR ROD SPACER	1	85T-05-20	*
42	SELECTOR ROD SHIM .070"-.185"	1	FT-2463	*
43	SELECTOR ROD STOP SHIM	1	FT-2484	*
44	FOURTH FIFTH SELECTOR FORK	1	85T-05-54	*
45	7/16" U.N.F. 'K' NUT	1	13-2-5	*
46	DOG RING	1	86T-05-16	
47	HEWLAND DOG RING	1	18-26-10	
48	4th/5th HUB	1	87T-05-02	

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 89T KIT LIST.
 BEARING CARRIER(CON,T).

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	Description	No.	Part Number	
49	WIDE 5TH GEAR HUB	1	85T-05-34	
50	NEEDLE ROLLER BEARING	1	18-23-10	
51	NEEDLE ROLLER BEARING	1	18-23-6	
52	PINION TAIL BRG. TRACK TOP HAT	1	85T-05-32	
53	PINION TAIL BRG. TRACK TOP HAT	1	85T-05-09	
54	2ND/3RD COMB. GEAR SPACER	1	89T-05-07	
55	4TH/5TH GEAR LAYSHAFT SPACER	1	89T-05-08	
56	STD.5TH GEAR LAYSHAFT SPACER	1	89T-05-12	
57	PINION SHAFT NUT	1	89T-03-31	
58	LAYSHAFT NUT	1	89T-03-22	
59	MAGNET	1	18-19-4	*
60	8/32" UNC x 1/2" CAPHEAD	1	12-46-14	*
61	1/8" BSPT X 3/8" BLANKING PLUG	2	12-32-2	*
62	BRG. CARRIER ASSEMBLY	1		T

March Engineering Ltd
89T KIT LIST.
END COVER.

* = Part of next assembly.

	Description	No.	Part Number	
1	END COVER	1	89T-01-11	*
2	ROSAN INSERT SR 314L	6	22-6-13	*
3	SELECTOR FINGER BUSH PM1615 DX	1	8-55-4	
4	-3 AEROQUIP BANJO BOLT	1	21-4-4	
5	BREATHER BANJO 1/8" BSP	1	18-20-7	
6	1/8" BSP NYLON PIPE (Per foot)	1	8-8-5	
7	3/8 ID DOWTY	2	20-3-15	
8	1ST/REV PLUNGER CAP	1	FT-2035	*
9	5/8" ID DOWTY SEAL	1	20-3-8	*
10	1ST/REV PLUNGER SPRING	1	FT-2032	*
11	1ST/REV GEAR PLUNGER	1	89T-05-05	*
12	1/8" BSPT X 3/8" BLANKING PLUG	2	12-32-2	*
13	O RING BS 016	1	33-1-7	*
14	CIRCLIP NAM 1300-22	1	23-7-6	
15	TAIL BEARINGS OIL FEED	1	89T-06-14	*
16	LAYSHAFT SEAL VIA-28E 29x50x10	1	33-19-7	*
17	LAYSHAFT SEAL DOWTY DSSK 9077	1	33-20-14	*
18	O RING BS 125	1	33-4-3	*
19	CIRCLIP D1300-0420	1	23-23-9	*
20	O RING BS 019 VITON	1	33-1-12	*
21	END COVER PLUG	2	89T-01-26	*
22	OIL TEMPERATURE SENSOR ADAPTOR	2	89T-01-27	
23	OIL PRESSURE SENSOR ADAPTOR	1	89T-01-28	
24	3/4" ID DOWTY SEAL	2	20-3-12	*

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 END COVER(CON,T).

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	Description		No.	Part Number	
25	O RING	BS 016	1	33-1-7	*
26	SHORT END COVER BOTTOM PLATE		1	89T-01-29	
27	LONG END COVER BOTTOM PLATE		1	89T-01-30	
28	OIL COOLER MOUNTING BRACKET		1	89T-06-16	
29	100% GEARBOX OIL COOLER DUCT		1	89T-06-15	
30	80% GEARBOX OIL COOLER DUCT		1	89T-06-29	
31	1/4" UNF x 1/2" CAPHEAD BOLT		1	12-3-11	
32	10/32" UNF x 5/8" COUNTERSUNK		2	12-26-7	
33	10/32" UNF x 1 3/4" C'SUNK		1	12-49-9	
34	OIL COOLER STUD		2	89T-06-23	*
35	10/32" UNF x 1/2" BUTTONHEAD		4	12-25-14	
36	10/32" WASHER (AN960-PD10)		4	20-6-3	
37	HEX BONDED RUBBER MOUNT AVM185		2	31-1-11	
38	GROMMET	REEVITE RB 50	3	31-3-13	
39	CLEVIS PIN 'R' CLIP		1	23-7-1	
40	END COVER ASSEMBLY		1		T

March Engineering Ltd
89T KIT LIST.
DIFFERENTIAL.

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	Description	No.	Part Number	
1	SPOOL	1	89T-02-21	*
2	SPOOL END CAP	2	89T-02-19	*
3	O RING BS 045	2	33-20-11	*
4	10/32" UNF X 9/16" CAPHEAD	16	12-47-7	*
5	SPOOL SPACER	2	89T-02-20	*
6	O RING BS 237	2	33-5-6	*
7	SPOOL SHIM (0.005"-0.020")	2	89T-02-22	*
8	DIFFERENTIAL HOUSING	1	89T-02-04	*
9	DIFFERENTIAL END CAP	1	89T-02-05	*
10	10/32" DIA STUD	12	89T-02-32	*
11	10/32" UNF 'K' NUT	12	13-7-7	*
12	POWERLOCK CLUTCH WITH LUGS	4	18-19-7	*
13	POWERLOCK CLUTCH WITH SPLINES	4	18-19-8	*
14	LOCATING COLLAR	2	84C-16-115	*
15	OUTER THRUST WASHER	2	18-22-14	*
16	THRUST BEARING	2	18-22-13	*
17	INNER THRUST WASHER	2	18-22-15	*
18	RH 45x90 Degree SIDE GEAR RAMP	1	84C-16-125	*
19	LH 45x90 Degree SIDE GEAR RAMP	1	84C-16-126	*
20	45x45 Degree SIDE GEAR RAMP	2	FGB-2137	
21	RH 30x60 Degree SIDE GEAR RAMP	1	FGB-2137A	
22	LH 30x60 Degree SIDE GEAR RAMP	1	FGB-2137B	
23	PLANET CARRIER	1	84C-16-117	*
24	DIFFERENTIAL LOCKER STANDARD	1	85T-02-15	*

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 DIFFERENTIAL(CON,T).

* = Part of next assembly.

Description	No.	Part Number	
25 DIFFERENTIAL LOCKER	2	89T-02-33	*
26 DIFFERENTIAL LOCKER SPACER	1	89T-02-34	*
27 DIFFERENTIAL LOCKER BUNG	2	89T-02-31	*
28 SIDE GEAR	2	85T-02-12	*
29 PINION GEAR	4	18-19-11	*
30 POWERLOCK SHIM (0.003"-0.020")	0	84C-16-21	*
31 FREE DIFF SHIM .003"-.015"	0	84C-16-119	*
32 DIFFERENTIAL ASSEMBLY	1		T
33 LH SIDEPLATE	1	89T-02-08	
34 RH SIDEPLATE	1	89T-02-06	
35 LH SPOOL SIDEPLATE	1	89T-02-27	
36 RH SPOOL SIDEPLATE	1	89T-02-28	
37 SIDEPLATE BEARING SEAL HOUSING	2	89T-02-07	
38 RH SIDE PLATE OIL SEAL	1	33-12-3	
39 LH SIDE PLATE OIL SEAL	1	33-12-4	
40 BEARING (LL420510/LL420549)	2	8-50-4	
41 DIFF BRG SHIM (0.003"-0.025")	0	89T-02-11	
42 OUTPUT FLANGE	2	89T-09-01	*
43 BEARING KC 040 CPO	2	8-50-15	
44 CV JOINT OUTER TRACK	2	89P-10-05	*
45 0.871" Dia CV JOINT BALLS	12	87C-10-05	*
46 CV JOINT CAGE	2	89P-07-04	*
47 CV JOINT INNER TRACK	2	89P-10-03	*
48 CV JOINT INNER TRACK	2	89P-10-04	*

March Engineering Ltd
 89T KIT LIST.
 DIFFERENTIAL(CON,T).

* = Part of next assembly.

	Description	No.	Part Number	
49	CV JOINT GAITER STUD	12	89T-09-04	*
50	INNER CV RETAINER BUSH	12	89T-09-05	*
51	10/32" UNF "K" NUT	12	13-7-7	*
52	INNER CV JOINT RETAINER	2	89T-09-02	
53	DRIVESHAFT GAITER	MTP 79	2	8-47-9
54	CV JOINT GAITER	2	14-4-10	
55	CV JOINT ASSEMBLY	2		T
56	CROWN WHEEL BOLT	12	89T-03-29	

March Engineering Ltd
 B9T KIT LIST
 OIL SYSTEM.

* = Part of next assembly.

	Description	No.	Part Number	
1	OIL PUMP BODY	1	B9T-06-03	*
2	OIL PUMP ROTOR IDLER	1	FGB-2654	*
3	OIL PUMP ROTOR DRIVER	1	FGB-2655	*
4	OIL PUMP END COVER	1	B9T-06-19	*
5	4 B.A. x 1/2" CAPHEAD	4	12-17-5	*
6	OIL PUMP ASSEMBLY	1		T
7	O RING	BS 031	33-6-13	
8	OIL PUMP DRIVEN GEAR	1	DGB-2657	
9	DRIVEN GEAR CIRCLIP	1	23-6-6	
10	OIL PUMP DRIVING GEAR	1	B5T-06-01	
11	DRIVING GEAR CIRCLIP	2	16-20-12	
12	OIL PICK UP INNER FILTER	1	B7T-06-19	
13	ROAD RACE OIL PUMP PICKUP	1	B9T-06-13	
14	SPEEDWAY OIL PUMP PICKUP	1	B9T-06-04	
15	O RING	BS 020	33-1-10	
16	10/32" UNF x 5/8" CAPHEAD	1	12-25-5	
17	SPEEDWAY OIL PICKUP END COVER	1	B9T-06-02	
18	ROADRACE OIL PICKUP END COVER	1	B9T-06-18	
19	GEAR SPRAY LUBRICATION BAR	1	B9T-06-08	
20	GEAR SPRAY COOLING BAR	1	B9T-06-10	
21	10/32" x 1/4" GRUB SCREW	1	12-49-10	
22	10/32" x 1/2" CAPHEAD	1	12-25-4	
23	INLET FILTER 2236	1	8-55-10	
24	O RING	BS 019 VITON	33-1-12	

March Engineering Ltd
 89T KIT LIST.
 OIL SYSTEM(CON,T).

* = Part of next assembly.

	Description	No.	Part Number
25	3/4" B.S.P. DOWTY SEAL	2	20-3-14
26	CROWN WHEEL SPRAY TUBE	1	89T-06-05
27	PINION SPRAY TUBE	1	89T-06-06
28	OIL PUMP OUTLET PIPE	1	89T-06-07
29	VITON O RING BS 014	1	33-8-6
30	GEARBOX OIL COOLER	1	89T-06-11
31	O RING BS 015	1	33-21-3
32	OIL COOLER O RING FITTING	2	89T-06-12
33	O RING BS 114	4	33-21-4
34	ROAD RACE PICKUP BAFFLE	1	89T-06-20
35	SPEEDWAY PICKUP BAFFLE	1	89T-06-21

March Engineering Ltd
89T KIT LIST.
HYDRAULICS.

* = Part of next assembly.

	Description	No.	Part Number	
1	CLUTCH PISTON	1	89T-07-06	*
2	ANTI ROTATION PIN BUSH	2	89T-07-07	*
3	CLUTCH PISTON SUPPORT BEARING	1	33-20-5	*
4	SEAL S-55603-0350-109-5	1	33-20-3	*
5	CARBON CLUTCH NOSE PIECE	1	89T-07-05	*
6	SEAL RETAINER	1	89T-07-08	*
7	SEAL S-55603-0476-109-5	1	33-20-4	*
8	LONG ANTI ROTATION PIN	2	88T-07-06	*
9	10/32" UNF x 1/2" BUTTONHEAD	2	12-25-14	*
10	-3 TO 3/8" UNF MALE/MALE	2	21-6-6	*
11	3/8" COPPER WASHER	2	20-2-13	*
12	STUD	2	88T-01-16	*
13	CARBON CLUTCH RELEASE BEARING	1	18-7-13	*
14	CLUTCH RELEASE ASSEMBLY	1		T
15	-3 AEROQUIP HOSE (Per foot)	1	21-2-7	
16	-3 X 90 DEG STAINLESS UNION	2	81-13-13	
17	-3 X 45 DEG STAINLESS UNION	2	81-13-7	
18	-3 STR STAINLESS UNION	2	81-13-1	
19	CLUTCH BLEED HOUSING	1	87T-07-04	
20	BLEED NIPPLE	1	8-24-14	

March Engineering Ltd
 89T KIT LIST.
 C.W.P. STEP UP GEARS & GEAR RATIOS.

* = Part of next assembly.

	Description	No.	Part Number	
1	9:31 CROWN WHEEL AND PINION	1	89T-03-24	
2	PINION SHAFT BUNG	1	89T-03-36	
3	PINION BEARING ASSEMBLY	1	DGB-2221A	
4	PINION SHIM (0.003"-0.020")	0	DGB-2253	
5	AN5-H16A RETAINING BOLT	6	12-47-9	
6	PINION BEARING PRESSURE PLATE	1	89T-03-32	
7	PINION BEARING LOCK NUT	1	89T-05-02	
8	STEP UP GEAR CARRIER	1	89T-01-36	*
9	26:29 STEP UP GEAR RATIO SET	1	89T-03-25	*
10	27:28 STEP UP GEAR RATIO SET	1	89T-03-26	*
11	ROLLER BEARING 206E TUP2	2	8-54-14	*
12	CIRCLIP D1300-0620	2	23-23-5	*
13	STEP UP CARRIER LONG BOLT	4	89T-01-38	*
14	HOLLOW DOWEL	2	85T-01-11	*
15	STEP UP CARRIER SHORT BOLT	2	89T-01-39	*
16	STEP UP GEAR BEARING HOUSING	2	89T-01-05	*
17	HOLLOW DOWEL	1	87T-01-12	*
18	NEEDLE ROLLER BRG K35X40X13H	2	8-54-13	*
19	SNAP RING BR 40	2	23-23-2	*
20	INTERMEDIATE INPUT SHAFT	1	89T-08-01	*
21	ANDERTON CIRCLIP M1700-0210	1	23-23-7	*
22	2nd MOTION GEAR BRG STOP RING	1	89T-03-14	*
23	STEP UP GEAR LOCK NUT	2	89T-03-30	*
24	1st MOTION GEAR BRG STOP PLATE	1	89T-03-13	*

March Engineering Ltd
 89T KIT LIST.
 C.W.P. STEP UP GEARS & GEAR RATIOS(CON,T).

* = Part of next assembly.

	Description	No.	Part Number	
25	RETAINING BOLT AN3 H4A	2	12-47-1	*
26	STEP UP GEAR ASSEMBLY	1		T
27	14:42 FIRST GEAR RATIO	1	89T-04-02	
28	14:41 FIRST GEAR RATIO	1	89T-04-03	
29	15:41 FIRST GEAR RATIO	1	89T-04-04	
30	15:40 FIRST GEAR RATIO	1	89T-04-05	
31	15:39 FIRST GEAR RATIO	1	89T-04-06	
32	16:40 FIRST GEAR RATIO	1	89T-04-07	
33	16:38 SECOND GEAR RATIO	1	89T-04-08	
34	17:39 SECOND GEAR RATIO	1	89T-04-09	
35	17:37 SECOND GEAR RATIO	1	89T-04-10	
36	17:38 SECOND GEAR RATIO	1	89T-04-11	
37	18:38 SECOND GEAR RATIO	1	89T-04-12	
38	18:37 SECOND GEAR RATIO	1	89T-04-13	
39	18:36 SECOND GEAR RATIO	1	89T-04-14	
40	19:37 SECOND GEAR RATIO	1	89T-04-15	
41	19:36 SECOND GEAR RATIO	1	89T-04-16	
42	19:35 SECOND GEAR RATIO	1	89T-04-17	
43	INDY STANDARD GEAR RATIO 18:38	1	86T-04-29	
44	INDY STANDARD GEAR RATIO 18:37	1	86T-04-30	
45	INDY STANDARD GEAR RATIO 18:36	1	86T-04-31	
46	INDY STANDARD GEAR RATIO 19:37	1	86T-04-32	
47	INDY STANDARD GEAR RATIO 19:36	1	86T-04-33	
48	INDY STANDARD GEAR RATIO 19:35	1	86T-04-34	

March Engineering Ltd
89T KIT LIST.
C.W.P. STEP UP GEARS & GEAR RATIOS(CON,T).

* = Part of next assembly.

	Description	No.	Part Number
49	INDY STANDARD GEAR RATIO 20:36	1	86T-04-35
50	20:35 INDY STANDARD GEAR RATIO	1	89T-04-18
51	INDY STANDARD GEAR RATIO 20:34	1	86T-04-36
52	INDY STANDARD GEAR RATIO 21:35	1	86T-04-37
53	INDY STANDARD GEAR RATIO 21:34	1	86T-04-38
54	INDY STANDARD GEAR RATIO 21:33	1	86T-04-39
55	INDY STANDARD GEAR RATIO 22:34	1	86T-04-40
56	INDY STANDARD GEAR RATIO 22:33	1	86T-04-41
57	INDY STANDARD GEAR RATIO 22:32	1	86T-04-42
58	INDY STANDARD GEAR RATIO 23:33	1	86T-04-43
59	INDY STANDARD GEAR RATIO 23:32	1	86T-04-44
60	23:31 INDY STANDARD GEAR RATIO	1	89T-04-19
61	INDY STANDARD GEAR RATIO 24:32	1	86T-04-46
62	INDY STANDARD GEAR RATIO 24:31	1	86T-04-48
63	24:30 INDY STANDARD GEAR RATIO	1	89T-04-20
64	INDY STANDARD GEAR RATIO 25:31	1	86T-04-50
65	INDY STANDARD GEAR RATIO 25:30	1	86T-04-52
66	25:29 INDY STANDARD GEAR RATIO	1	89T-04-21
67	INDY STANDARD GEAR RATIO 26:30	1	86T-04-54
68	INDY STANDARD GEAR RATIO 26:29	1	86T-04-56
69	WIDE FIFTH GEAR RATIO 21:33	1	85T-04-49
70	WIDE FIFTH GEAR RATIO 22:34	1	85T-04-50
71	WIDE FIFTH GEAR RATIO 22:33	1	85T-04-85
72	WIDE FIFTH GEAR RATIO 22:32	1	85T-04-51

BY-PASS ASSEMBLY (FOR TEST)

BY-PASS TUBE ASSY.	1/CAR	89T-06-28
COMPRISING :- O-RING FITTING	1-OFF	89T-06-25
O-RING FITTING	1-OFF	89T-06-26
TUBE	1-OFF	89T-06-27
MOUNTING BKT. BY-PASS END HODD	1-OFF	89T-06-30

March Engineering Ltd
89T KIT LIST.
MAINCASE.

* = Part of next assembly.

	Description	No.	Part Number	
1	PORSCHE FRONT GEARBOX MAINCASE	1	89T-01-06	06 04
2	1 3/8" CORE PLUG	2	8-55-15	
3	0.70" DIA 'O' RING (Per foot)	1	33-5-13	
4	PORSCHE REAR GEARBOX CASING	1	89T-01-03	
5	1/8" BSPT X 3/8" BLANKING PLUG	6	12-32-2	
6	HOLLOW DOWEL	3	85T-01-11	
7	FWD TO RWD MAINCASE DOWEL STUD	2	89T-01-15	
8	FWD TO RWD MAINCASE 3/8" STUD	9	89T-01-14	
9	3/8" UNF 'K' NUT	11	13-2-1	
10	3/8" ID THIN WASHER	11	20-1-3	
11	SHORT SIDEPLATE RETAINING STUD	12	89T-02-00	89T-02-38
12	LONG SIDEPLATE RETAINING STUD	8	89T-02-10	89T-02-39
13	10/32" UNF 'K' NUT	20	13-7-7	
14	DRAIN PLUG	1	89T-01-24	
15	MAGNET	E 821	1	18-27-5
16	10/32" x 1/2" CAPHEAD	1	12-25-4	
17	5/8" ID COPPER WASHER	1	20-8-4	
18	CLUTCH INPUT SHAFT	1	89T-08-02	
19	CLUTCH SHAFT CIRCLIP D1400-25	1	18-23-14	
20	SEAL	VITON 27-41-10	1	33-20-10 *
21	CLUTCH SHAFT HOUSING BEARING	1	18-20-15 *	
22	SPIGOT HOUSING CIRCLIP	1	FT-24410 *	
23	O RING	BS 136	1	33-3-14 *
24	SHAFT HOUSING ASSEMBLY	1		T

March Engineering Ltd
 89T KIT LIST.
 MAINCASE(CON,T).

* = Part of next assembly.

Description	No.	Part Number	
25 LAYSHAFT NOSE BEARING HOUSING	1	89T-01-13	*
26 LAYSHAFT NOSE BEARING	1	18-20-10	*
27 BEARING HOUSING CIRCLIP	1	18-20-11	*
28 BEARING HOUSING RETAINING BOLT	2	12-27-4	*
29 LAYSHAFT HSG. ASSEMBLY	1		T
30 REVERSE IDLER SPIGOT	1	89T-05-06	*
31 RETAINING BOLT AN4 H16A	2	12-47-10	
32 1/4" ID WASHER AN960-D416L	2	20-6-9	
33 REVERSE IDLER GEAR	1	85T-04-17	*
34 REVERSE IDLER BEARING	1	18-22-12	*
35 REVERSE IDLER WASHER	1	FT-2374	*
36 1/2" U.N.F. 'K' NUT	1	13-2-4	*
37 REVERSE IDLER ASSEMBLY	1		T
38 5/16" END COVER-MAINCASE STUD	7	89T-01-21	
39 5/16" END COVER-MAINCASE STUD	1	89T-01-22	
40 5/16" BRG CARRIER-MAINCASE STUD	1	89T-01-23	
41 5/16" U.N.F. 'K' NUT	9	13-2-2	
42 5/16" WASHER (AN960-PD516)	9	20-5-13	
43 ROSAN INSERT SR 192L	1	22-6-14	
44 ROSAN INSERT SR 314L	17	22-6-13	
45 ROSAN INSERT SR 258L	20	22-7-2	
46 RING DOWEL	1	89T-01-16	
47 OIL PUMP LONG STUD	2	89T-01-17	
48 OIL PUMP SHORT STUD	1	89T-01-18	

March Engineering Ltd
 89T KIT LIST.
 MAINCASE(CON,T).

* = Part of next assembly.

	Description	No.	Part Number
49	10/32" UNF 'K' NUT	3	13-7-7
50	10/32" WASHER (AN960-PD10)	3	20-6-3
51	STEP UP GEAR BRG HOUSING STUD	4	89T-01-31
52	1/4" U.N.F. 'K' NUT	4	13-2-3
53	REAR GEARSHIFT ROD BEARING	1	89T-01-25
54	SELECTOR FINGER LIPSEAL	1	18-18-4
55	REAR GEARSHIFT ROD	1	89T-05-10
56	STEP UP GEAR BAFFLE	1	89T-01-32
57	GEARBOX FRONT BAFFLE	1	89T-01-33 89T-01-37
	STEP UP GEAR CARRIER STUD. SHORT	4	89P-23-11
	STEP UP GEAR CARRIER STUD. LONG	2	89P-23-12
	CATCH TANK CORE PLUG	1	89T-01-34
	" " " " THREADED	1	89T-01-40
	" " DRAIN PLUG	1	89T-01-41

March Engineering Ltd
 89T KIT LIST.
 BEARING CARRIER.

* = Part of next assembly.

	Description	No.	Part Number	
1	BEARING CARRIER	1	89T-01-10	*
2	0.70" DIA 'O' RING (Per foot)	1	33-5-13	
3	HOLLOW DOWEL	2	89T-01-20	*
4	SELECTOR FINGER	1	89T-05-04	*
5	AN 174-12 BOLT	1	12-47-12	*
6	SELECTOR FINGER SQUARE	1	89T-05-11	*
7	SELECTOR FINGER BRG MB 1612 DU	1	8-55-3	*
8	SELECTOR FINGER SEAL	1	33-19-3	*
9	PINION TAIL BEARING	1	18-23-11	*
10	LAYSHAFT TAIL BEARING	1	18-23-12	*
11	FIRST REVERSE SELECTOR ROD	1	85T-05-36	*
12	SELECTOR ROD DETENT SCREW	1	FT-2023	*
13	SELECTOR ROD DETENT SPRING	2	FT-2022	*
14	DETENT BALL BEARING	2	18-21-7	*
15	INTERLOCK	1	85T-05-14	*
16	1ST/REV SELECTOR ROD SPACER	1	85T-05-37	*
17	SELECTOR ROD SHIM .070"-.185"	1	FT-2463	*
18	FIRST REVERSE SELECTOR FORK	1	85T-05-53	*
19	SELECTOR FORK RETAINING NUT	1	FT-2462	*
20	FIRST REVERSE SLIDING GEAR	1	85T-05-03	
21	FIRST REVERSE HUB	1	85T-05-35	
22	NEEDLE ROLLER BEARING	2	18-23-10	
23	2ND/3RD SELECTOR ROD	1	85T-05-38	*
24	SELECTOR ROD DETENT SCREW	1	FT-2023	*

March Engineering Ltd
 89T KIT LIST.
 BEARING CARRIER(CON,T).

* = Part of next assembly.

	Description	No.	Part Number	
25	SELECTOR ROD DETENT SPRING	2	FT-2022	*
26	DETENT BALL BEARING	2	18-21-7	*
27	INTERLOCK	1	85T-05-14	*
28	2ND/3RD SELECTOR ROD SPACER	1	85T-05-39	*
29	SELECTOR ROD SHIM .070"-.185"	1	FT-2463	*
30	SECOND THIRD SELECTOR FORK	1	85T-05-55	*
31	SELECTOR FORK RETAINING NUT	1	FT-2462	*
32	DOG RING	1	86T-05-16	
33	HEWLAND DOG RING	1	18-26-10	
34	2nd/3rd HUB	1	87T-05-01	
35	NEEDLE ROLLER BEARING	2	18-23-10	
36	4TH/5TH SELECTOR ROD	1	85T-05-17	*
37	SELECTOR ROD DETENT SCREW	1	FT-2023	*
38	SELECTOR ROD DETENT SPRING	2	FT-2022	*
39	DETENT BALL BEARING	2	18-21-7	*
40	1/8" BSPT X 3/8" BLANKING PLUG	1	12-32-2	*
41	4TH/5TH SELECTOR ROD SPACER	1	85T-05-20	*
42	SELECTOR ROD SHIM .070"-.185"	1	FT-2463	*
43	SELECTOR ROD STOP SHIM	1	FT-2484	*
44	FOURTH FIFTH SELECTOR FORK	1	85T-05-54	*
45	7/16" U.N.F. 'K' NUT	1	13-2-5	*
46	DOG RING	1	86T-05-16	
47	HEWLAND DOG RING	1	18-26-10	
48	4th/5th HUB	1	87T-05-02	

March Engineering Ltd
 89T KIT LIST.
 BEARING CARRIER(CON,T).

* = Part of next assembly.

	Description	No.	Part Number	
49	WIDE 5TH GEAR HUB	1	85T-05-34	
50	NEEDLE ROLLER BEARING	1	18-23-10	
51	NEEDLE ROLLER BEARING	1	18-23-6	
52	PINION TAIL BRG. TRACK TOP HAT	1	85T-05-32	
53	PINION TAIL BRG. TRACK TOP HAT	1	85T-05-09	
54	2ND/3RD COMB. GEAR SPACER	1	89T-05-07	
55	4TH/5TH GEAR LAYSHAFT SPACER	1	89T-05-08	
56	STD.5TH GEAR LAYSHAFT SPACER	1	89T-05-12	
57	PINION SHAFT NUT	1	89T-03-31	
58	LAYSHAFT NUT	1	89T-03-22	
59	MAGNET	1	18-19-4	*
60	8/32" UNC x 1/2" CAPHEAD	1	12-46-14	*
61	1/8" BSPT X 3/8" BLANKING PLUG	2	12-32-2	*
62	BRG. CARRIER ASSEMBLY	1		T

March Engineering Ltd
 89T KIT LIST.
 END COVER.

* = Part of next assembly.

	Description	No.	Part Number	
1	END COVER	1	89T-01-11	*
2	ROSAN INSERT SR 314L	6	22-6-13	*
3	SELECTOR FINGER BUSH PM1615 DX	1	8-55-4	
4	-3 AEROQUIP BANJO BOLT	1	21-4-4	
5	BREATHER BANJO 1/8" BSP	1	18-20-7	
6	1/8" BSP NYLON PIPE (Per foot)	1	8-8-5	
7	3/8 ID DOWTY	2	20-3-15	
8	1ST/REV PLUNGER CAP	1	FT-2035	*
9	5/8" ID DOWTY SEAL	1	20-3-8	*
10	1ST/REV PLUNGER SPRING	1	FT-2032	*
11	1ST/REV GEAR PLUNGER	1	89T-05-05	*
12	1/8" BSPT X 3/8" BLANKING PLUG	2	12-32-2	*
13	O RING BS 016	1	33-1-7	*
14	CIRCLIP NAM 1300-22	1	23-7-6	
15	TAIL BEARINGS OIL FEED	1	89T-06-14	*
16	LAYSHAFT SEAL VIA-28E 29x50x10	1	33-19-7	*
17	LAYSHAFT SEAL DOWTY DSSK 9077	1	33-20-14	*
18	O RING BS 125	1	33-4-3	*
19	CIRCLIP D1300-0420	1	23-23-9	*
20	O RING BS 019 VITON	1	33-1-12	*
21	END COVER PLUG	2	89T-01-26	*
22	OIL TEMPERATURE SENSOR ADAPTOR	2	89T-01-27	
23	OIL PRESSURE SENSOR ADAPTOR	1	89T-01-28	
24	3/4" ID DOWTY SEAL	2	20-3-12	*

March Engineering Ltd
 89T KIT LIST.
 END COVER(CON,T).

* = Part of next assembly.

	Description	No.	Part Number	
25	O RING BS 016	1	33-1-7	*
26	SHORT END COVER BOTTOM PLATE	1	89T-01-29	
27	LONG END COVER BOTTOM PLATE	1	89T-01-30	
28	OIL COOLER MOUNTING BRACKET	1	89T-06-16	
29	GEARBOX OIL COOLER DUCT 100%	1	89T-06-15	
	" " " " 80%	1	89T-06-29	
30	1/4" UNF x 1/2" CAPHEAD BOLT	1	12-3-11	
31	10/32" UNF x 5/8" COUNTERSUNK	2	12-26-7	
32	10/32" UNF x 1 3/4" C'SUNK	1	12-49-9	
33	RH FRONT UPRIGHT	2	89P-06-18	*
34	10/32" UNF x 1/2" BUTTIONHEAD	4	12-25-14	
35	10/32" WASHER (AN960-PD10)	4	20-6-3	
36	HEX BONDED RUBBER MOUNT AVM185	2	31-1-11	
37	GROMMET REEVITE RB 50	3	31-3-13	
38	CLEVIS PIN 'R' CLIP	1	23-7-1	
39	END COVER ASSEMBLY	1		T

March Engineering Ltd
89T KIT LIST.
DIFFERENTIAL.

* = Part of next assembly.

	Description	No.	Part Number	
1	SPOOL	1	89T-02-21	*
2	SPOOL END CAP	2	89T-02-19	*
3	O RING BS 045	2	33-20-11	*
4	10/32" UNF X 9/16" CAPHEAD	16	12-47-7	*
5	SPOOL SPACER	2	89T-02-20	*
6	O RING BS 237	2	33-5-6	*
7	SPOOL SHIM (0.005"-0.020")	2	89T-02-22	*
8	DIFFERENTIAL HOUSING	1	89T-02-04	*
9	DIFFERENTIAL END CAP	1	89T-02-05	*
10	10/32" DIA STUD	12	89T-02-32	*
11	10/32" UNF 'K' NUT	12	13-7-7	*
12	POWERLOCK CLUTCH WITH LUGS	4	18-19-7	*
13	POWERLOCK CLUTCH WITH SPLINES	4	18-19-8	*
14	LOCATING COLLAR	2	84C-16-115	*
15	OUTER THRUST WASHER	2	18-22-14	*
16	THRUST BEARING	2	18-22-13	*
17	INNER THRUST WASHER	2	18-22-15	*
18	LH 45x90 Degree SIDE GEAR RAMP	1	84C-16-125	*
19	RH 45x90 Degree SIDE GEAR RAMP	1	84C-16-126	*
20	45x45 Degree SIDE GEAR RAMP	2	FGB-2137	
21	RH 30x60 Degree SIDE GEAR RAMP	1	FGB-2137A	
22	LH 30x60 Degree SIDE GEAR RAMP	1	FGB-2137B	
23	PLANET CARRIER	1	84C-16-117	*
24	DIFFERENTIAL LOCKER STANDARD	1	85T-02-15	*

March Engineering Ltd
 89T KIT LIST.
 DIFFERENTIAL(CON,T).

* = Part of next assembly.

Description	No.	Part Number	
25 DIFFERENTIAL LOCKER	2	89T-02-33	*
26 DIFFERENTIAL LOCKER SPACER	1	89T-02-34	*
27 DIFFERENTIAL LOCKER BUNG	2	89T-02-31	*
28 SIDE GEAR	2	85T-02-12	*
29 PINION GEAR	4	18-19-11	*
30 POWERLOCK SHIM (0.003"-0.020")	0	84C-16-21	*
31 FREE DIFF SHIM .003"-.015"	0	84C-16-119	*
32 DIFFERENTIAL ASSEMBLY	1		T
33 LH SIDEPLATE	1	89T-02-08	
34 RH SIDEPLATE	1	89T-02-06	
35 LH SPOOL SIDEPLATE	1	89T-02-27	
36 RH SPOOL SIDEPLATE	1	89T-02-28	
37 SIDEPLATE BEARING SEAL HOUSING	2	89T-02-07	
38 RH SIDE PLATE OIL SEAL	1	33-12-3	
39 LH SIDE PLATE OIL SEAL	1	33-12-4	
40 BEARING (LL420510/LL420549)	2	8-50-4	
41 DIFF BRG SHIM (0.003"-0.025")	0	89T-02-11	
42 OUTPUT FLANGE	2	89T-09-01	*
43 BEARING KC 040 CPO	2	8-50-15	
44 CV JOINT OUTER TRACK	2	89P-10-05	*
45 0.871" Dia CV JOINT BALLS	12	87C-10-05	*
46 CV JOINT CAGE	2	89P-07-04	*
47 CV JOINT INNER TRACK	2	89P-10-03	*
48 CV JOINT INNER TRACK	2	89P-10-04	*

March Engineering Ltd
 89T KIT LIST.
 DIFFERENTIAL(CON,T).

* = Part of next assembly.

	Description	No.	Part Number	
49	CV JOINT GAITER STUD	12	89T-09-04	*
50	INNER CV RETAINER BUSH	12	89T-09-05	*
51	10/32" UNF 'K' NUT	12	13-7-7	*
52	INNER CV JOINT RETAINER	2	89T-09-02	
53	DRIVESHAFT GAITER	MTP 79	2	8-47-9
54	CV JOINT GAITER	2	14-4-10	
55	CV JOINT ASSEMBLY	2		T
56	CROWN WHEEL BOLT	12	89T-03-29	

March Engineering Ltd
 89T KIT LIST.
 OIL SYSTEM.

* = Part of next assembly.

	Description	No.	Part Number	
1	OIL PUMP BODY	1	89T-06-03	*
2	OIL PUMP ROTOR IDLER	1	FGB-2654	*
3	OIL PUMP ROTOR DRIVER	1	FGB-2655	*
4	OIL PUMP END COVER	1	89T-06-19	*
5	4 B.A. x 1/2" CAPHEAD	4	12-17-5	*
6	OIL PUMP ASSEMBLY	1		T
7	O RING BS 031	1	33-6-13	
8	OIL PUMP DRIVEN GEAR	1	DGB-2657	
9	DRIVEN GEAR CIRCLIP	1	23-6-6	
10	OIL PUMP DRIVING GEAR	1	85T-06-01	
11	DRIVING GEAR CIRCLIP	2	18-20-12	
12	OIL PICK UP INNER FILTER	1	87T-06-19	
13	ROAD RACE OIL PUMP PICKUP	1	89T-06-13	
14	SPEEDWAY OIL PUMP PICKUP	1	89T-06-04	
15	O RING BS 020	1	33-1-10	
16	10/32" UNF x 5/8" CAPHEAD	1	12-25-5	
17	SPEEDWAY OIL PICKUP END COVER	1	89T-06-02	
18	ROADRACE OIL PICKUP END COVER	1	89T-06-18	
19	GEAR SPRAY LUBRICATION BAR	1	89T-06-08	
20	GEAR SPRAY COOLING BAR	1	89T-06-10	
21	10/32" x 1/4" GRUB SCREW	1	12-49-10	
22	10/32" x 1/2" CAPHEAD	1	12-25-4	
23	INLET FILTER 2236	1	8-55-10	
24	O RING BS 019 VITON	2	33-1-12	

March Engineering Ltd
89T KIT LIST.
OIL SYSTEM(CON,T).

* = Part of next assembly.

	Description		No.	Part Number
25	3/4" B.S.P. DOWTY SEAL		2	20-3-14
26	CROWN WHEEL SPRAY TUBE		1	89T-06-05
27	PINION SPRAY TUBE		1	89T-06-06
28	OIL PUMP OUTLET PIPE		1	89T-06-07
29	VITON O RING	BS 014	1	33-8-6
30	O RING	BS 015	1	33-21-3
31	OIL COOLER O RING FITTING		2	89T-06-12
32	O RING	BS 114	4	33-21-4
33	ROAD RACE PICKUP BAFFLE		1	89T-06-20
34	SPEEDWAY PICKUP BAFFLE		1	89T-06-21

March Engineering Ltd
89T KIT LIST.
HYDRAULICS.

TILTON BRG & O-RING VERSION

* = Part of next assembly.

Description	No.	Part Number	
1 CLUTCH PISTON	1	89T-07-06	* 89T-07-11
2 ANTI ROTATION PIN BUSH	2	89T-07-07	* 89T-07-12
3 CLUTCH PISTON SUPPORT BEARING	1	89-20-5	* 89T-07-10
4 SEAL, O-RING ^{200-220-9775 (VITON)} S 55603 0350 109 5	1	33-20-3	* 33-14-2 33-12-15
BACK-UP RING 114-220	1		
5 CARBON CLUTCH NOSE PIECE	1	89T-07-05	* 89T-07-13
6 SEAL RETAINER	1	89T-07-08	*
7 SEAL, O-RING ^{200-225-9775 (VITON)} S 55603 0476 109 5	1	33-20-4	* 33-22-9 33-13-1
BACK-UP RING 114-225	1		
8 LONG ANTI ROTATION PIN	2	88T-07-06	*
9 10/32" UNF x 1/2" BUTTONHEAD	2	12-25-14	*
10 -3 TO 3/8" UNF MALE/MALE	2	21-6-6	*
11 3/8" COPPER WASHER	2	20-2-13	*
12 STUD	2	88T-01-16	*
13 CARBON CLUTCH RELEASE BEARING	1	18-7-13	* 18.7.14
14 CLUTCH RELEASE ASSEMBLY	1		T
15 -3 AEROQUIP HOSE (Per foot)	1	21-2-7	
16 -3 X 90 DEG STAINLESS UNION	2	81-13-13	
17 -3 X 45 DEG STAINLESS UNION	2	81-13-7	
18 -3 STR STAINLESS UNION	2	81-13-1	
19 CLUTCH BLEED HOUSING	1	87T-07-04	
20 BLEED NIPPLE	1	8-24-14	

March Engineering Ltd
 89T KIT LIST.
 C.W.P. STEP UP GEARS & GEAR RATIOS.

* = Part of next assembly.

	Description	No.	Part Number	
1	9:31 CROWN WHEEL AND PINION	1	89T-03-24	
2	PINION SHAFT BUNG	1	89T-03-36	
3	PINION BEARING ASSEMBLY	1	DGB-2221A	
4	PINION SHIM (0.003"-0.020")	0	DGB-2253	
5	AN5-H16A RETAINING BOLT	6	12-47-9	
6	PINION BEARING PRESSURE PLATE	1	89T-03-32	
7	PINION BEARING LOCK NUT	1	89T-05-02	
8	<i>STEP-UP GEAR CARRIER</i> 26:29 STEP UP GEAR RATIO SET	1	<i>89T-01-36</i> 89T-03-25	*
9	27:28 STEP UP GEAR RATIO SET	1	89T-03-26	*
10	ROLLER BEARING 206E TUP2	2	8-54-14	*
11	CIRCLIP D1300-0620	2	23-23-5	*
12	<i>BOLT-STEP-UP CARRIER, LONG</i> HOLLOW DOWEL	4	<i>89T-01-38</i> 85T-01-11	*
13	<i>BOLT-STEP-UP CARRIER, SHORT</i> STEP UP GEAR BEARING HOUSING	2	<i>89T-01-39</i> 89T-01-05	*
14	<i>HOLLOW DOWEL</i> NEEDLE ROLLER BRG K35X40X13H	1	<i>87T-01-12</i> 8-54-13	*
15	SNAP RING BR 40	2	23-23-2	*
16	INTERMEDIATE INPUT SHAFT	1	89T-08-01	*
17	ANDERTON CIRCLIP M1700-0210	1	23-23-7	*
18	2nd MOTION GEAR BRG STOP RING	1	89T-03-14	*
19	STEP UP GEAR LOCK NUT	2	89T-03-30	*
20	1st MOTION GEAR BRG STOP PLATE	1	89T-03-13	*
21	RETAINING BOLT AN3 H4A	2	12-47-1	*
22	STEP UP GEAR ASSEMBLY	1		T
23	14:42 FIRST GEAR RATIO	1	89T-04-02	
24	14:41 FIRST GEAR RATIO	1	89T-04-03	

March Engineering Ltd
 89T KIT LIST.
 C.W.P. STEP UP GEARS & GEAR RATIOS(CON,T).

* = Part of next assembly.

	Description	No.	Part Number
25	15:41 FIRST GEAR RATIO	1	89T-04-04
26	15:40 FIRST GEAR RATIO	1	89T-04-05
27	15:39 FIRST GEAR RATIO	1	89T-04-06
28	16:40 FIRST GEAR RATIO	1	89T-04-07
29	16:38 SECOND GEAR RATIO	1	89T-04-08
30	17:39 SECOND GEAR RATIO	1	89T-04-09
31	17:37 SECOND GEAR RATIO	1	89T-04-10
32	17:38 SECOND GEAR RATIO	1	89T-04-11
33	18:38 SECOND GEAR RATIO	1	89T-04-12
34	18:37 SECOND GEAR RATIO	1	89T-04-13
35	18:36 SECOND GEAR RATIO	1	89T-04-14
36	19:37 SECOND GEAR RATIO	1	89T-04-15
37	19:36 SECOND GEAR RATIO	1	89T-04-16
38	19:35 SECOND GEAR RATIO	1	89T-04-17
39	INDY STANDARD GEAR RATIO 18:38	1	86T-04-29
40	INDY STANDARD GEAR RATIO 18:37	1	86T-04-30
41	INDY STANDARD GEAR RATIO 18:36	1	86T-04-31
42	INDY STANDARD GEAR RATIO 19:37	1	86T-04-32
43	INDY STANDARD GEAR RATIO 19:36	1	86T-04-33
44	INDY STANDARD GEAR RATIO 19:35	1	86T-04-34
45	INDY STANDARD GEAR RATIO 20:36	1	86T-04-35
46	20:35 INDY STANDARD GEAR RATIO	1	89T-04-18
47	INDY STANDARD GEAR RATIO 20:34	1	86T-04-36
48	INDY STANDARD GEAR RATIO 21:35	1	86T-04-37

March Engineering Ltd
 89T KIT LIST.
 C.W.P. STEP UP GEARS & GEAR RATIOS(CON,T).

* = Part of next assembly.

	Description	No.	Part Number
49	INDY STANDARD GEAR RATIO 21:34	1	86T-04-38
50	INDY STANDARD GEAR RATIO 21:33	1	86T-04-39
51	INDY STANDARD GEAR RATIO 22:34	1	86T-04-40
52	INDY STANDARD GEAR RATIO 22:33	1	86T-04-41
53	INDY STANDARD GEAR RATIO 22:32	1	86T-04-42
54	INDY STANDARD GEAR RATIO 23:33	1	86T-04-43
55	INDY STANDARD GEAR RATIO 23:32	1	86T-04-44
56	23:31 INDY STANDARD GEAR RATIO	1	89T-04-19
57	INDY STANDARD GEAR RATIO 24:32	1	86T-04-46
58	INDY STANDARD GEAR RATIO 24:31	1	86T-04-48
59	24:30 INDY STANDARD GEAR RATIO	1	89T-04-20
60	INDY STANDARD GEAR RATIO 25:31	1	86T-04-50
61	INDY STANDARD GEAR RATIO 25:30	1	86T-04-52
62	25:29 INDY STANDARD GEAR RATIO	1	89T-04-21
63	INDY STANDARD GEAR RATIO 26:30	1	86T-04-54
64	INDY STANDARD GEAR RATIO 26:29	1	86T-04-56
65	WIDE FIFTH GEAR RATIO 21:33	1	85T-04-49
66	WIDE FIFTH GEAR RATIO 22:34	1	85T-04-50
67	WIDE FIFTH GEAR RATIO 22:33	1	85T-04-85
68	WIDE FIFTH GEAR RATIO 22:32	1	85T-04-51
69	WIDE FIFTH GEAR RATIO 23:33	1	85T-04-52
70	WIDE FIFTH GEAR RATIO 23:32	1	85T-04-53
71	23:31 WIDE FIFTH GEAR RATIO	1	89T-04-22
72	WIDE FIFTH GEAR RATIO 24:32	1	85T-04-54

March Engineering Ltd
89T KIT LIST.
C.W.P. STEP UP GEARS & GEAR RATIOS(CON,T).

* = Part of next assembly.

Description	No.	Part Number
73 WIDE FIFTH GEAR RATIO 24:31	1	85T-04-87
74 24:30 WIDE FIFTH GEAR RATIO	1	89T-04-23
75 WIDE FIFTH GEAR RATIO 25:31	1	85T-04-97
76 WIDE FIFTH GEAR RATIO 25:30	1	85T-04-55
77 25:29 WIDE FIFTH GEAR RATIO	1	89T-04-24
78 WIDE FIFTH GEAR RATIO 26:30	1	85T-04-56
79 WIDE FIFTH GEAR RATIO 23:26	1	85T-04-91
80 WIDE FIFTH GEAR RATIO 26:29	1	85T-04-57
81 WIDE FIFTH GEAR RATIO 24:26	1	85T-04-92
82 WIDE FIFTH GEAR RATIO 27:29	1	85T-04-58
83 WIDE FIFTH GEAR RATIO 27:28	1	85T-04-59
84 WIDE FIFTH GEAR RATIO 28:28	1	85T-04-93

March Engineering Ltd
 89T KIT LIST.
 SERVICE TOOLS.

* = Part of next assembly.

	Description	No.	Part Number	
1	DUMMY PINION SHAFT	1	89T-10-04	*
2	PINION BEARING ASSEMBLY	1	DGB-2221A	*
3	FORKSETTING JIG STUD	3	89T-10-01	*
4	PINION BEARING LOCK NUT	1	89T-05-02	*
5	LAYSHAFT NOSE BEARING	1	18-20-10	*
6	LAYSHAFT NOSE BEARING HOUSING	1	85T-01-03	*
7	FORK SET JIG ASSEMBLY	1		T
8	PINION DEPTH JIG	1	89T-10-03	
9	PINION SHAFT SOCKET	1	85T-10-04	
10	PINION RET NUT SPANNER	1	85T-10-10	
11	FORK SETTING JIG BACKPLATE	1	89T-10-02	
12	TOOL SELECTOR FINGER SEAL	1	89T-10-05	
13	TOOL CLUTCH PISTON SEAL	1	89T-10-06	
14	PORSCHE STARTER SHAFT	1	89T-11-03	
15	PORSCHE STARTER SOCKET	1	89T-11-04	
16	1/4" UNF x 3/8" GRUB SCREW	1	12-49-11	

PROTOTYPE CLUTCH RELEASE

TO FIT: 88C BELL HOUSING
5 1/2" CARBON/CARBON A.P. CLUTCH

CLUTCH RELEASE PISTON	1-OFF	88T-07-12
SUPPORT BRG. SHAMBAN SLIDING S-55603-0350-47A	1-OFF	
FRONT SEAL. SHAMBAN S-55603-0350-109-S	1-OFF	
REAR SEAL. SHAMBAN S-55603-0476-109-S	1-OFF	
REAR SEAL RETAINER	1-OFF	89T-07-04
BUTTON HEAD SKT. CAPSCREWS 10-32 x 1/2 LG.	2-OFF	
BUSH	2-OFF	88T-07-14
CLUTCH RELEASE BRG. A.P. C.P. 3457-1	1-OFF	
NOSK PIECE	1-OFF	88T-07-11
ANTI-ROTATION PIN	2-OFF	88T-07-13

SCHEMES

~~1. WASH ROD. CARRIER~~

~~2. WASH ROD. COVER~~

~~3. WASH ROD. AN / INTER. DIA. SHAFT SNAP
INJECTION~~

4. WASH ROD. 88T RODS CAN BE USED INITIALLY

5. WASH

~~CHECK PLUNGE REQUIRED AT 2.5% INTR.~~

~~6. HOLE DETAILS IN G/BOX (UPPER W/BONE REAR)~~

~~CLUTCH SHAFT~~

~~INTERMEDIATE SHAFT~~

~~REVERSE IDLER SPIGOT~~

~~LAYERS AND THE HOUSING~~

~~BEARING CARRIER~~

~~SELECTION FINGER~~

FIRST REVERSE SELECTION ROD

2nd / 3rd

"

"

4th / 5th

"

"

STANDARD
RODS
CAN
BE USED
INITIALLY

~~END COVER~~

SPOOL

~~SIDE PLATE L.H.~~

~~" R.H.~~

~~SPRAY BAR (HANDS)~~

~~UPPER PINION SPRAY TUBE~~

~~LOWER~~

~~CLUTCH NOSE PIECE~~

~~KEY SETTING IN BACK PLATE~~

~~" " STUDS~~

~~PINION SETTING PUT~~

~~ON THE END~~

~~ON THE END~~

~~SPEEDWAY~~
~~ROADRACE~~

~~FILTER~~

~~ON THE END~~

~~LARGE NUT~~

~~PINION SHAFT NUT~~

~~PRESSURE PLATE (PINION AND SCREWS)~~

89T ~~██████████~~ MARCH ENGINEERING LTD.
KIT LIST.
MAINCASE.

* = Part of next assembly.

	Description	No.	Part Number
1	BST INDY GEARBOX	1	BST-01-30
2	B7 BFX FORWARD GEARBOX CASE	1	BST-01-06 89T-01-06 ✓
3	B7 BFX FORWARD GEARBOX CASE	1	BST-01-20
4	CATCH TANK UNION (LONG)	1	BBC-14-00
5	CATCH TANK UNION (SHORT)	1	BBC-14-09
6	^{2 3/8} 2 5/16" CORE PLUG	2	8-31-15
7	0.70" DIA 'O' RING (Per foot)	1	33-5-13
8	REAR GEARBOX CASE	1	BST-01-07 89T-01-07 ✓
9	1/8" BSPT X 3/8" BLANKING PLUG	6	12-32-2
10	HOLLOW DOWEL	3	BST-01-11 ✓
11	FWD TO RWD MAINCASE DOWEL STUD	2	BST-01-05 89T-01-15 ✓
12	FWD TO RWD MAINCASE STUD 3/8"	29	BST-01-04 89T-01-14 ✓
13	3/8" UNF 'K' NUT	11	13-2-1
14	3/8" ID THIN WASHER	11	20-1-3
15	PUNTON SETTING JIG DOWEL	1	B7F-02-02
16	SIDEPLATE RETAINING STUD ^{SHORT}	20 12	BST-01-11 89T-02-01 ✓
	" " " " ^{LONG}	8	89T-02-02 ✓
17	10-32 1/4" U.N.F. 'K' NUT	20	13-2-3
18	1/4" ID WASHER	20	20-1-1
19	SIDEPLATE SUSPENSION STUD	1	BST-01-27
20	BEARING CARRIER STUD	5	BST-01-09
21	5/16" U.N.F. 'K' NUT	5	13-2-2
22	5/16" ID WASHER (THICK)	5	20-1-2
23	CLUTCH HOUSING STUD	3	BST-01-10
24	1/4" U.N.F. 'K' NUT	3	13-2-3

MARCH ENGINEERING LTD.
 BBT KIT LIST.
 MAINCASE (CON, T).

* = Part of next assembly.

	Description	No.	Part Number	
25	1/4" ID WASHER	5	28-1-1	
26	DRAIN PLUG	1	BBT 01 15 89T-01-24 ✓	
27	MAGNET E 821	1	18-19-4	
28	10/32" X 1/2" CAPHEAD BOLT	1	12-25-4	
29	3/4" D.S.F. DOWTY SEAL COPPER WASHER.	1	28-3-14	
30	DEX-CLUTCH INPUT SHAFT	1	BBT 06 01	
31	CHEVROLET CLUTCH SHAFT	1	BBT 06 02	
32	CLUTCH INPUT SHAFT (PORSCHÉ)	1	BBT 06 04 89T-02-02 ✓	
33	CLUTCH SHAFT CIRCLIP D 1400-25	1	18-23-14	
34	O RING BS 136	1	33-3-14	
35	DEX CLUTCH SHAFT TUBE	1	BBT 07 05	
36	CLUTCH SHAFT TUBE (PORSCHÉ)	1	BBT 07 10	
37	ILHON CLUTCH SHAFT TUBE	1	BBT 07 05	
38	O RING BS 147	1	33-3-13	
39	CLUTCH SHAFT BEARING HOUSING	1	BBT 08 01	*
40	CLUTCH SHAFT HOUSING SEAL 27-41-10 VITON	1	BT 244110	*
41	CLUTCH SHAFT HOUSING BEARING	1	18-20-15	*
42	CLUTCH SHAFT HOUSING CIRCLIP F1 28010	1	18-23-13	*
43	O RING BS 138 O RING BS 136	1	33-4-13 33-3-14	*
44	10/32" STUD	5	BBT 08 05	*
45	SHAFT HOUSING ASSEMBLY	1		T
46	LAYSHAFT NOSE BEARING HOUSING	1	BBT 01 05 89T-01-10 ✓	
47	LAYSHAFT NOSE BEARING	1	18-20-10	*
48	BEARING HOUSING CIRCLIP	1	18-20-11	*

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MARCH ENGINEERING LTD.
 BBT KIT LIST.
 MAINCASE (CON,T).

* = Part of next assembly.

Description	No.	Part Number	
49 BEARING HOUSING RETAINING BOLT	2	12-27-4	*
50 LAYSHAFT HSG. ASSEMBLY	1		T
51 REVERSE IDLER SPIGOT	1	85T-05-11	* 89T-05-06 ✓
1/4 THIN WASHER	2		
52 REVERSE IDLER SPIGOT LOCKNUT	1	85T-05-12	*
RETAINING BOLT AN4-H16A	2		
53 REVERSE IDLER GEAR	1	85T-04-17	* ✓
54 REVERSE IDLER BEARING	1	18-22-12	*
55 REVERSE IDLER WASHER	1	FT-2374	* ✓
56 1/2" U.N.F. 'K' NUT	1	13-2-4	*
57 REVERSE IDLER LOCKNUT ROLL PIN	1	23-7-3	*
58 REVERSE IDLER ASSEMBLY	1		T
59 5/16" END COVER BRG CARRIER MAINCASE STUD	7	89T-01-18	* 89T-01-21 ✓
60 5/16" END COVER BRG CARRIER MAINCASE STUD	1	89T-01-19	* 89T-01-22 ✓
61 5/16" BRG CARR MAINCASE STUD UNF 'K' NUT	1	13-2-1	* 89T-01-23 ✓
62 5/16" ANODISED WASHER AN7807 D610	9	80-5-14	
63 3/8" 24 X 1/2" 13 KEENBERT	22	22-4-15	
64 ROCKER PLATE LWR STUD X TUBE	1	88T-01-22	
65 ROCKER PLATE LWR STUD	2	88T-01-21	
66 INSERT TURBO MTG BOSS	2	88T-01-28	
RO SAN INSERT SR 192L	20		
RO SAN INSERT SR 314L	17		
RO SAN INSERT SR 258L	1		
RING DOWER	1	89T-01-16	* ✓
OIL PUMP STUD. LONG	2	89T-01-17	* ✓
OIL PUMP STUD. SHORT	1	89T-01-18	* ✓
10-32 UNF K-NUT	3		
3/16" I.O. WASHER	3		

STUD. STEP-UP GEAR BRG. HSG.	4-OFF	89T-01-19 ✓
K-NUT 1/4 UNF	4-OFF	
FINAL GEARSHIFT ROD BRG.	1-OFF	89T-01-25
" " " SEAL	1-OFF	18-18-4
FINAL GEARSHIFT ROD	1-OFF	89T-05-10 ✓
BAFFLE. STEP-UP GEAR	1-OFF	89T-01-32 ✓
BAFFLE. G/BOX FRONT	1-OFF	89T-01-33 ✓

MARCH ENGINEERING LTD.
BBT KIT LIST.
BEARING CARRIER.

* = Part of next assembly.

	Description	No.	Part Number	
1	BEARING CARRIER SHORT SH	1	88T-01-07	* 89-08-10 ✓
2	BEARING CARRIER LONG SH	1	88T-01-08	
3	Ø.70" DIA O-RING (Per foot)	1	33-5-13	
4	O-RING BS 210	1	33-1-7	
5	HOLLOW DWEL	2	88T-01-11	* 89-08-20
6	SOLID DWEL	1	88T-01-12	*
7	BEARING CARRIER STUD	8	88T-01-09	*
8	BEARING CARRIER STUD	1	84C-16-89	*
9	5/16" U.N.F. NYLON NUT	9	13-2-2	
10	5/16" WASHER AN 960 STAL	9	28-5-9	
11	SELECTOR FINGER BOLT AN 174-12	1		
11	SELECTOR FINGER	1	88T-05-01	* 89-08-104 ✓
12	SELECTOR FINGER SQUARE	1	89T-05-11	
12	SELECTOR FINGER BEARING	1	18-21-1	*
13	SELECTOR FINGER LIP SEAL GLACIER MB 1612 DU(B)	1	18-18-4	*
14	SHAMBAN W/RISEAL M S-55603-0160-5-S PINION TAIL BEARING	1	18-23-11	*
15	LAYSHAFT TAIL BEARING	1	18-23-12	*
16	FIRST REVERSE SELECTOR ROD	1	85T-05-36 ✓	*
17	SELECTOR ROD DETENT SCREW	1	FT-2023	*
18	SELECTOR ROD DETENT SPRING	2	FT-2022	*
19	DETENT BALL BEARING	2	18-21-7	*
20	INTERLOCK	1	85T-05-14	*
21	1ST/REV SELECTOR ROD SPACER	1	85T-05-37	*
22	SELECTOR ROD SHIM .070"-.185"	1	FT-2463	*
23	FIRST REVERSE SELECTOR FORK	1	85T-05-53 ✓	*
24	SELECTOR FORK RETAINING NUT	1	FT-2462	*

MARCH ENGINEERING LTD.
 83T KIT LIST.
 BEARING CARRIER (CON, T).

* = Part of next assembly.

Description	No.	Part Number	
25 FIRST REVERSE SLIDING GEAR	1	85T-05-03	✓
26 HEWLAND 1ST/REV. SLIDING GEAR	1	18-25-11	
27 FIRST REVERSE HUB	1	85T-05-35	✓ C ✓
28 NEEDLE ROLLER BEARING	2	18-23-10	
29 2ND/3RD SELECTOR ROD	1	85T-05-38	✓ 30 B ✓
30 SELECTOR ROD DETENT SCREW	1	FT-2023	*
31 SELECTOR ROD DETENT SPRING	2	FT-2022	*
32 DETENT BALL BEARING	2	18-21-7	*
33 INTERLOCK	1	85T-05-14	B *
34 2ND/3RD SELECTOR ROD SPACER	1	85T-05-39	19 B *
35 SELECTOR ROD SHIM .070"-.185"	1	FT-2463	*
36 SECOND THIRD SELECTOR FORK	1	85T-05-55	✓ B ✓ *
37 SELECTOR FORK RETAINING NUT	1	FT-2462	*
38 DOG RING	1	86T-05-16	
39 HEWLAND DOG RING	1	18-26-10	✓
40 2nd/3rd HUB	1	87T-05-01	✓
41 NEEDLE ROLLER BEARING	2	18-23-10	
42 4TH/5TH SELECTOR ROD	1	85T-05-17	✓ B ✓ *
43 SELECTOR ROD DETENT SCREW	1	FT-2023	*
44 SELECTOR ROD DETENT SPRING	2	FT-2022	*
45 DETENT BALL BEARING	2	18-21-7	*
46 1/8" BSPT X 3/8" BLANKING PLUG	1	12-32-2	*
47 4TH/5TH SELECTOR ROD SPACER	1	85T-05-20	-19 B *
48 SELECTOR ROD SHIM .070"-.185"	1	FT-2463	*
SELECTOR ROD STOP SHIM .005/.010/.015		FT-2484	*

MARCH ENGINEERING LTD.
 BBT KIT LIST.
 BEARING CARRIER (CON, T).

* = Part of next assembly.

Description	No.	Part Number
49 FOURTH FIFTH SELECTOR FORK	1	85T-05-54 ✓✓ *
50 7/16" U.N.F. 'K' NUT	1	13-2-5 *
51 DOG RING	1	86T-05-16
52 HEWLAND DOG RING	1	18-26-10 ✓
53 4th/5th HUB	1	87T-05-02 ✓✓
54 WIDE 5TH GEAR HUB	1	85T-05-34 ✓✓
55 NEEDLE ROLLER BEARING	1	18-23-10
56 NEEDLE ROLLER BEARING	1	18-23-6
57 PINION TAIL BRG. TRACK TOP HAT	1	85T-05-32 ✓
58 PINION TAIL BRG. TRACK TOP HAT	1	85T-05-09 ✓
59 2ND/3RD COMB. GEAR SPACER	1	85T-05-28 89T-05-07 ✓
60 4TH/5TH GEAR LAYSHAFT SPACER	1	85T-05-31 89T-05-08 ✓
61 STD. 5TH GEAR LAYSHAFT SPACER	1	85T-05-33 89T-05-12 ✓
62 PINION SHAFT NUT	1	85T-05-35 89T-03-51 ✓
63 LAYSHAFT NUT	1	85T-05-37 89T-03-52 ✓
64 THRUST BEARING	1	18-8-6 *
65 BRG. CARRIER ASSEMBLY	1	T
MAGNET	1	18-19-4
8-32 UNC CAPSCREW x 1/2 LG.	1	
1/8 BSPT x 3/8 BLANKING PLUG	2	

MARCH ENGINEERING LTD.
 SST KIT LIST.
 END COVER.

* = Part of next assembly.

	Description	No.	Part Number	
1	END COVER	1	66T-01-10	* 894191-11
2	KEENERT MNL 0240	1	23-4-12	*
3	1/4" UNF X 3/8" BRUB SCREW	1	12-34-4	*
4	SELECTOR FINGER BUSH GLACIER PM 1615 DX	1	FT-2034	*
5	BREATHER BANJO	1	18-00-7	*
6	3 BANJO BOLT 775 3P	1	81-12-3	*
7	3/8" COPPER WASHER 90° FEMALE SWIVEL ELBOW 6605-3D	1	80-2-13	*
8	1ST/REV FLUNGER CAP	1	FT-2035 ✓	*
9	5/8" ID DOWTY SEAL	1	20-3-8	*
10	1ST/REV FLUNGER SPRING	1	FT-2032	*
11	1ST/REV GEAR FLUNGER	1	66T-05-10	*
12	1/8" BSPT X 3/8" BLANKING PLUG	2	12-32-2	*
13	REAR FINISH OIL FEED	1	87T-06-03	*
14	10. RING BS 016	1	33-1-7	*
15	CIRCLIP NAM. 1300-22	1	23-7-6	*
16	STARTER SHAFT	1	66T-11-09	*
17	STARTER SHAFT SEAL LAY DICHROMATIK VIA-2000 28x50x10 VITON	1	33-2-4	*
18	STARTER OIL SEAL HOUSING	1	66T-11-03	*
19	STARTER DRIVER GEAR	1	66T-11-06	*
20	SNAP RING	1	18-25-13	*
21	DETENT BALL	1	FT-2033	*
22	1ST/REV FLUNGER SPRING	1	FT-2032	*
23	RAK 719 BEARING	1	0-30-14	*
24	END COVER ASSEMBLY	1		T

BANJO BOLT
 BANJO UNION
 3/8 DOWTY
 CLEAR PIPE

MARCH ENGINEERING LTD.
 BBT KIT LIST.
 END COVER (CON.T).

* = Part of next assembly.

	Description	No.	Part Number	
25	STARTER SHAFT STOP	1	88T-11-81	*
26	10/32" X 1/2" COUNTERSUNK BOLT	2	12-28-8	*
27	STARTER DRIVEN GEAR	1	88T-11-85	*
28	REAR STARTER ASSEMBLY	1		T

FILTER O-RING BS 125 1 33-4-3

~~FILTER CARTRIDGE D1500-0920 1-OFF 23-23-9~~

~~FILTER O-RING BS 019 1-OFF~~

ENDCOVER PLUG 2-OFF 89T-01-26 A ✓

ADAPTOR OIL TEMP. SENSOR 2-OFF 89T-01-27 A ✓

ADAPTOR OIL PRESSURE SENSOR 1-OFF 89T-01-28 A ✓

3/4 I.D. DOWTY SEAL 2-OFF 20-3-12

O-RING BS 016 BRG. CARR./END COVER 1-OFF 33-1-7

~~O-RING BS 11 COOLER FITTING 4-OFF~~

END COVER BOTTOM PLATE SHORT 1-OFF 89T-01-29 ✓

" " " " LONG 1-OFF 89T-01-30 ✓

OIL COOLER MTG. BKT. 1-OFF 89T-06-16 ✓

OIL COOLER HOUSING (CARBON) 1-OFF 89T-06-15 ✓

1/4-28 UNF x 1/2 LG CAPSCREW 1-OFF

10-32 UNF x 5/8 LG C'SUNK SCREW 2-OFF

10-32 UNF x 1 3/4 LG C'SUNK SCREW 1-OFF

OIL COOLER STUD 2-OFF 89P-06-18 ✓

10-32 UNF x 1/2 LG BUTTONHEAD SCREW 4-OFF

3/16 WASHERS 4-OFF

HEX. BONDED MTG. AVM 185 TYPE 1 2-OFF

GROMMET. REEVITE RB 50 3-OFF

R-CLIP 1-OFF

MARCH ENGINEERING LTD.
 BBT KIT LIST.
 DIFFERENTIAL.

* = Part of next assembly.

	Description	No.	Part Number	
1	DIFFERENTIAL HOUSING	1	BBT-02-02	• 89-02-04 ✓
2	DIFFERENTIAL END OF COVER	1	BBT-02-02	• 89-02-04 ✓
	10-32 x 5/8 LG. CAPSCREW	12		
3	SPOOL	1	BBT-02-01	*
	DIFF. HOUSING STUD	12	89T-02-32	
4	POWERLOCK CLUTCH WITH LUGS	4	18-19-7	*
5	POWERLOCK CLUTCH WITH SPLINES	4	18-19-8	*
6	LOCATING COLLAR	2	• 84C-16-115	✓ ✓ *
7	OUTER THRUST WASHER	2	18-22-14	*
8	THRUST BEARING	2	18-22-13	*
9	INNER THRUST WASHER	2	18-22-15	*
10	SIDE GEAR RAMP 45X90 LH	1	• 84C-16-125	✓ *
11	SIDE GEAR RAMP 45X90 RH	1	• 84C-16-126	✓ ✓ *
12	SIDE GEAR RAMP 45X45	2	FBB-2137	
13	SIDE GEAR RAMP 30X60 RH	1	FBB-2137B	
14	SIDE GEAR RAMP 30X60 LH	1	FBB-2137B	
15	PLANET CARRIER (FREE DIFF)	1	• 84C-16-117	✓ ✓ *
16	SIDE GEAR	2	• 85T-02-12	✓ *
17	PINION GEAR	4	18-19-11	✓ *
18	POWERLOCK SHIM (.003"-.020")	1	84C-16-21	*
19	FREE DIFF SHIM .003"-.015"	1	84C-16-119	✓ *
20	CLOSURE PLATE	2	BBT-02-01	*
21	DIFFERENTIAL ASSEMBLY	1		T
22	SIDEPLATE LH		BBT-01-11	• 89-02-04 ✓
23	SIDEPLATE RH	1	BBT-01-11	• 89-02-04 ✓
24	1/2" x 2" UNF. CAPHEAD BOLT	2	12-25-8	
	BEARING SEAL MSC	2		89T-02-01 ✓

FREE DIFF.

MARCH ENGINEERING LTD.
 SST KIT LIST.
 DIFFERENTIAL (CON.T).

* = Part of next assembly.

Description	No.	Part Number
25 CV JOINT LIRSEAL LH & RH DOWTY	2	10-21-5 83-12-3 (18) 33-12-4
26 DIFFERENTIAL CARRIER BEARING LL 42054 LL 420510	2	10-21-5
27 CIRCLATE SHIM (0.003"-0.025") DIFF BAG	0	040-16-8 89T-02-11
28 CV JOINT GAITER 6 153 12 01 0000S	2	040-16-25
29 CV JOINT INNER INNER CV JOINT	2	010-10-05 89T-10-02 ✓
30 CV JOINT BEACER	2	040-16-40
31 OUTPUT FLANGE BEARING KAYDON EC 040 CFO	2	10-21-5
32 OUTPUT FLANGE / C.V. BUNG	2	089-02-04 89T-09-01 ✓
33 CV JOINT BOLT	12	040-16-14
34 O-RING 100 117 977S (VITON) 10 mm (K) NUT	2	089-02-31
35 CROWN WHEEL BOLT	12	089-02-16 89T-03-01 ✓
DIFF LOCKER	1	85T-02-15 ✓
O-RING BS4518 0945-30 VITON	2	
INNER C.V. RETAINER	2	089T-09-02 ✓✓
O-RING BS 044 VITON	2	
C.V. STUD	12	89T-09-04 ✓
INNER C.V. RETAINER BUSH	12	089T-09-05 ✓
DIFF. LOCKER	2	89T-02-33 ✓
SPACER. DIFF. LOCK	1	089T-02-34 ✓

SPOOL	1-OFF	•89T-02-21 ✓
SPOOL END CAP	2-OFF	•89T-02-18 ✓
O-RING BS 045	2-OFF	
CAPSCREWS 10-32 UNF x 9/16 LG.	16-OFF	
C.V. JOINT OUTER YOKE	2-OFF	•89P-10-03 ✓
C.V. JOINT CENTRE	2-OFF	•89P-10-04 ✓
SPOOL SPACER	2-OFF	•89T-02-20 ✓
O-RING BS 237	2-OFF	
SHIM .005 - .020	—	•89T-02-22 ✓
SIDEPLATE L.H.	1-OFF	•89T-02-27 ✓
SIDEPLATE R.H.	1-OFF	89T-02-28 ✓
SEAL L.H. ^{DOWTY} 65x85x10 DSSK 9076	1-OFF	
SEAL R.H. ^{DOWTY} 65x85x10 DSSK 9075	1-OFF	
GAITER MTP 79	2-OFF	8-47-9

STANDARD DRIVESHAFT SPOOL

SPOOL	1-OFF	89T-02-21
RETAINING PLATE	2-OFF	89T-02-41
CAPSCREWS 10-32 UNF x $\frac{9}{16}$ LG.	16-OFF	12-47-7
C.V. ADAPTOR	2-OFF	89T-02-35
SPOOL SPACER	2-OFF	89T-02-20
SHIMS .005 - .020		89T-02-22

LONG DRIVESHAFT SPOOL

SPOOL	1-OFF	89T-02-21
SPOOL AND CAP	2-OFF	89T-02-19
O-RING BS 045	2-OFF	33-20-11
CAPSCREWS 10-32 UNF x 7/16 LG.	16-OFF	12-47-7
C.V. JOINT OUTER YOKE	2-OFF	89P-10-05
C.V. JOINT CENTRE	2-OFF	89P-10-04
C.V. JOINT CAGE	2-OFF	89P-07-04
C.V. JOINT BALLS	12-OFF	87C-10-05
SPOOL SPACER	2-OFF	89T-02-20
O-RING BS 237	2-OFF	33-5-6
SHIMS .005 - .020		89T-02-22
SIDEPLATE L.H.	1-OFF	89T-02-27
SIDEPLATE R.H.	1-OFF	89T-02-28
SEAL L.H. DOWTY 65x85x10 DSSK 9076	1-OFF	
SEAL R.H. " " " " " 9075	1-OFF	
GADDER MTP 79	2-OFF	8-47-9
LONG DRIVESHAFT	2-OFF	89P-10-06

MARCH ENGINEERING LTD.
 BBT KIT LIST.
 OIL SYSTEM.

* = Part of next assembly.

Description	No.	Part Number	
OIL PUMP FRONT COVER	1	88T-06-02	* ✓
OIL PUMP BODY	1	88T-06-04	* 89T-06-01 ✓
OIL PUMP ROTOR IDLER	1	88T-06-05	* F4B-2054 ✓
OIL PUMP ROTOR DRIVER	1	88T-06-07	* F4B-2055 ✓
OIL PUMP END COVER	1	88T-06-03	* 89T-06-13 ✓
OIL PUMP BODY RETAINING SCREW 4 B.A x 1/2 LG.	4	12-18-12	*
OIL PUMP ASSEMBLY	1		T
OIL RING 118-1170 BS 031	1	33-6-11	*
OIL PUMP DRIVEN GEAR	1	DGB-2657	✓
DRIVEN GEAR CIRCLIP	1	23-6-6	
OIL PUMP DRIVING GEAR	1	85T-06-01	✓✓
DRIVING GEAR CIRCLIP	2	18-20-12	
OIL PICK UP OUTER FILTER	1	87T-06-18	
OIL PICK UP INNER FILTER	1	87T-06-19	
OIL PUMP PICKUP (ROAD RACE)	1	89T-06-13	✓
PUMP BLADE	1	88T-06-06	
OIL PUMP PICKUP (SPEEDWAY)	1	89T-06-04	✓
OIL RING BS 144 BS 010	1	33-6-5	
10-32 x 1/8" BSK SCREW CARHEAD	1	12-37-8	
OIL PICKUP END COVER (SPEEDWAY)	1	89T-06-02	✓
OIL INLET BANJO	1	82B-16-103	
OIL PICKUP END COVER (RACE)	1	89T-06-18	✓
OIL INLET BANJO BOLT	1	88T-01-23	
BANJO BOLT	1	88T-06-14	
1/4" ID BOWEX SEAL	2	20-5-12	
GEAR SPRAY BAR (LUB)	1	88T-06-17	89T-06-08 ✓
GEAR SPRAY BAR (EDWARDS)	1	88T-06-11	89T-06-18 ✓
OIL RING BS 012	1	33-6-11	
SPRAY BAR GRUB SCREW 10-32 x 1/4" LG	1	12-33-8	
10-32 x 1/2 LG CAPSCREW	1		

MARCH ENGINEERING LTD.
 BBT KIT LIST.
 OIL SYSTEM(CON,T).

* = Part of next assembly.

	Description	No.	Part Number
25	OIL INLET ADAPTOR	1	88T 01 23
26	3/4" B.S.P. DOWTY SEAL	1	20 3 14
27	OIL INLET BANDO	1	88T 01 54
28	3/4" ID DOWTY SEAL	1	20 3 12
29	INLET FILTER. BRITISH FILTERS 2236	1	88T 01 05 8.55.10 ✓
30	PINION INLET TUBE LOWER (SRA) BAR	1	88T 06 10
31	VITON O-RING BS 019	2	33-1-12
32	O-RING BS 018	1	33-10-7
33	3/4" B.S.P. DOWTY SEAL	2	20-3-14
34	CROWN WHEEL SPRAY TUBE	1	89T-06-05 ✓
	PINION UPPER SPRAY BAR	1	88T 06 11
35	CAPSCREW 5/16X3/8 LNS	2	12-37-10
36	O-RING BS018	1	33-3-7
37	PINION BAR SPRAY BAR TUBE	1	88T 06 12 89T-06-06 ✓
38	CAPSCREW 5/16X3/8 LNS	2	12-37-10
39	O-RING BS018	1	33-3-7
	OIL PUMP OUTLET PIPE	1	89T-06-07 ✓
	FRONT O-RING BS 014	1	
	REAR O-RING BS 015	1	
	O-RING FITTING. OIL COOLER	2	89T-06-12 ✓
	O-RING BS 114.	4	
	PICK-UP BAFFLE R-RACE	1	89T-06-20
	PICK-UP BAFFLE SPEEDWAY	1	89T-06-21 ✓

MARCH ENGINEERING LTD.
 BBT KIT LIST.
 HYDRAULICS.

* = Part of next assembly.

	Description	No.	Part Number	
1	CLUTCH PISTON	1	88T-07-01	89T-07-01 ✓
	ANTI-ROTATION PIN BUSH	2	89T-07-07 ✓	
2	CLUTCH PISTON SPT BRG SHAMBAN S-55603-109-S	1	88T-07-04	* 33-20-15
3	B RING 200-225-2007 (DOWTY) VITON	1	33-12-14	*
4	BACK UP WASHER 114 228	1	33-13-17	*
5	FRONT SEAL SHAMBAN S-55603-0950-109-S	1	88T-07-07	* 33-20-3
6	CLUTCH NOSE PIECE ^{CARBON CLUTCH} 5-174	1	88T-07-02	* 89T-07-05 ✓
7	B RING 200-225-2007 (DOWTY) VITON	1	33-12-15	*
8	SEAL RETAINER	1	89T-07-09	* 89T-07-09 ✓
9	REAR SEAL SHAMBAN S-55603-0476-109-S 1-OFF	1	88T-07-06	* 33-20-4
10	ANTI ROTATION PIN LONG	2	88T-07-06	*
11	ANTI ROTATION PIN SHORT	2	88T-07-03	* 89T-07-03 ✓
12	-3 TO 3/8" UNF MALE/MALE	2	21-6-6	*
13	3/8" COPPER WASHER	2	20-2-13	*
14	STUD	2	88T-01-16	*
15	CLUTCH RELEASE BEARING ^{A.P.} CP3457-1	1	18-5-9	* 18-7-13
16	CLUTCH RELEASE ASSEMBLY	1		T
17	-3 AEROGUIP HOSE (Per foot)	1	21-2-7	
18	-3 X ⁹⁰ DEG STAINLESS UNION	2	81-13-7	* 81-13-13
19	-3 STAINLESS BULKHEAD ADAPTOR	2	81-15-5	
20	-3 STR STAINLESS UNION	2	81-13-1	
21	CLUTCH BLEED HOUSING	1	87T-07-04	
22	BLEED NIPPLE	1	8-24-14	

~~BRAKE FLUID CASTROL SRF~~

STEP-UP GEAR 1ST MOTION

26T ~~89T-03-19~~ ✓B

~~27T 89T-03-20~~ ✓B

STEP-UP GEAR 2nd MOTION

28T ~~89T-03-17~~ ✓B

29T ~~89T-03-18~~ ✓B

ROLLER BRG. FAG NU206E TYP2 2-OFF
OR RNU206E TYP2

~~CIRCLIP ANDERTON E1300-0610 2-OFF~~
~~SNAP RING BRG 2~~

STEP-UP GEAR CARRIER

1-OFF ~~89T-01-02~~ ✓

DOWEL

2-OFF •85T-01-11

BEARING HOUSING (STEP-UP GEAR)

2-OFF 89T-01-08 ✓

NEEDLE ROLLER BRG K 35x40x13H 2-OFF

SNAP RING FAG BR 40

INTERMEDIATE SHAFT

1-OFF •89T-08-01 ✓B

~~SNAP RING ANDERTON M1700-0210 1-OFF~~

2nd MOTION STEP-UP GEAR BRG. STOP RING 1-OFF •89T-03-19 ✓A

~~LOCK NUT (STEP-UP GEAR) 2-OFF •89T-03-19 ✓A~~

1st MOTION STEP-UP GEAR BRG. STOP PLATE 1-OFF •89T-03-19 ✓A

~~RETAINING BOLTS AVIAL AN3H4A 2-OFF~~

MARCH ENGINEERING LTD.
 BBT KIT LIST
 C.W.P. & GEARS.

* = Part of next assembly.

	Description	No.	Part Number
1	9:31 CROWN WHEEL & FINION BUNG. PINION SHAFT	1	BBT 05 05 89T-03-01/16 ✓ 15
2	11:45 CROWN WHEEL & FINION	1	BBT 05 05 89T-03-36 ✓
3	10:31 CROWN WHEEL AND FINION	1	BBT 02 06
4	FINION BEARING ASSEMBLY	1	DGB-2221A ✓
5	PINION SHIM .003"-.020"	0	DGB-2253
6	RETAINING BOLT AN5-H16A	6	12-38
7	PINION BRG. TOP WASHER PRESSURE PLAT / 1	1	BBT 05 01 89T-03-32 ✓ 13
8	PINION BRG LOCK NUT	1	BBT 05 01 100-05-01 ✓
9	INDY FIRST GEAR RATIO 15:42	0	BBT 04 10
10	INDY FIRST GEAR RATIO 15:41	0	BBT 04 10
11	INDY FIRST GEAR RATIO 15:40	0	BBT 04 10
12	INDY FIRST GEAR RATIO 15:39 15:40	1	BBT 04 10
13	1ST/2ND GEAR RATIO 12:37/15:39	0	B6T-04-19
14	1ST/2ND GEAR RATIO 14:41/16:40	0	B6T-04-20
15	1ST/2ND GEAR RATIO 14:41/16:38	0	B6T-04-21
16	INDY SECOND GEAR RATIO 16:38 17:37	1	BBT 04 22
17	INDY SECOND GEAR RATIO 17:37 17:38	0	BBT 04 23
18	INDY SECOND GEAR RATIO 18:37	0	BBT 04 24
19	INDY SECOND GEAR RATIO 18:36	0	BBT 04 25
20	INDY SECOND GEAR RATIO 19:37	0	BBT 04 26
21	INDY SECOND GEAR RATIO 19:36	0	BBT 04 27
22	INDY SECOND GEAR RATIO 19:35	0	BBT 04 28
23	INDY STANDARD GEAR RATIO 18:38	0	B6T-04-29
24	INDY STANDARD GEAR RATIO 18:37	0	B6T-04-30

MARCH ENGINEERING LTD.
 86T KIT LIST.
 C.W.P. & GEARS (CON,T).

* = Part of next assembly.

	Description	No.	Part Number
25	INDY STANDARD GEAR RATIO 18:36	0	86T-04-31
26	INDY STANDARD GEAR RATIO 19:37	0	86T-04-32
27	INDY STANDARD GEAR RATIO 19:36	0	86T-04-33
28	INDY STANDARD GEAR RATIO 19:35	1	86T-04-34
29	INDY STANDARD GEAR RATIO 20:36	0	86T-04-35
30	INDY STANDARD GEAR RATIO 20:34	0	86T-04-36
31	INDY STANDARD GEAR RATIO 21:35	0	86T-04-37
32	INDY STANDARD GEAR RATIO 21:34	0	86T-04-38
33	INDY STANDARD GEAR RATIO 21:33	1	86T-04-39
34	INDY STANDARD GEAR RATIO 22:34	1	86T-04-40
35	INDY STANDARD GEAR RATIO 22:33	0	86T-04-41
36	INDY STANDARD GEAR RATIO 22:32	0	86T-04-42
37	INDY STANDARD GEAR RATIO 23:33	0	86T-04-43
38	INDY STANDARD GEAR RATIO 23:32	0	86T-04-44
39	INDY STANDARD GEAR RATIO 23:31	0	86T-04-45
40	INDY STANDARD GEAR RATIO 24:32	0	86T-04-46
41	INDY STANDARD GEAR RATIO 23:30	0	86T-04-47
42	INDY STANDARD GEAR RATIO 24:31	0	86T-04-48
43	INDY STANDARD GEAR RATIO 24:30	0	86T-04-49
44	INDY STANDARD GEAR RATIO 25:31	0	86T-04-50
45	INDY STANDARD GEAR RATIO 25:30	0	86T-04-51
46	INDY STANDARD GEAR RATIO 25:30	0	86T-04-52
47	INDY STANDARD GEAR RATIO 25:29	0	86T-04-53
48	INDY STANDARD GEAR RATIO 26:30	0	86T-04-54

~~86T-04-40~~
~~86T-04-41~~

MARCH ENGINEERING LTD.
 85T KIT LIST.
 C.W.P. & GEARS(CON,T).

* = Part of next assembly.

Description	No.	Part Number
INDY STANDARD GEAR RATIO 23:28	0	85T-04-55
INDY STANDARD GEAR RATIO 26:29	0	86T-04-56
INDY STANDARD GEAR RATIO 24:26	0	85T-04-57
WIDE FIFTH GEAR RATIO 21:33	0	85T-04-49
WIDE FIFTH GEAR RATIO 22:34	0	85T-04-50
WIDE FIFTH GEAR RATIO 22:33	0	85T-04-85
WIDE FIFTH GEAR RATIO 22:32	0	85T-04-51
WIDE FIFTH GEAR RATIO 23:33	0	85T-04-52
WIDE FIFTH GEAR RATIO 23:32	0	85T-04-53
WIDE FIFTH GEAR RATIO 22:30 23:31	0	85T-04-86
WIDE FIFTH GEAR RATIO 24:32	0	85T-04-54
WIDE FIFTH GEAR RATIO 24:31	0	85T-04-87
WIDE FIFTH GEAR RATIO 22:29 21:30	0	85T-04-88
WIDE FIFTH GEAR RATIO 25:31	1	85T-04-97
WIDE FIFTH GEAR RATIO 23:26	0	85T-04-89
WIDE FIFTH GEAR RATIO 25:30	0	85T-04-55
WIDE FIFTH GEAR RATIO 23:27 25:24	0	85T-04-90
WIDE FIFTH GEAR RATIO 26:30	0	85T-04-56
WIDE FIFTH GEAR RATIO 23:26	0	85T-04-91
WIDE FIFTH GEAR RATIO 26:29	0	85T-04-57
WIDE FIFTH GEAR RATIO 24:26	0	85T-04-92
WIDE FIFTH GEAR RATIO 27:29	0	85T-04-58
WIDE FIFTH GEAR RATIO 27:28	0	85T-04-59
WIDE FIFTH GEAR RATIO 28:28	0	85T-04-93

85T-04-10
 86T-04-11

86T-04-12
 86T-04-13

MARCH ENGINEERING LTD.
 SST KIT LIST.
 SERVICE TOOLS.

* = Part of next assembly.

	Description	No.	Part Number	
1	DUMMY PINION SHAFT	1	85T-10-01	* 89-10-01 3
2	PINION BEARING ASSEMBLY	1	DGB-2221A	*
3	FORKSETTING JIG STUD	3	85T-10-05	* 89-10-05
4	PINION BRG LOCK NUT	1	85T-05-04	* 89-10-05
5	LAYSHAFT BEARING	1	85T-02-01	* 18-20-10
6	LAYSHAFT BEARING MSG. FORK SET JIG ASSEMBLY	1	85T-01-03	✓ T
7	PINION DEPTH JIG	1	87T-05-01	89T-10-03
8	PINION SHAFT SOCKET	1	85T-10-04	✓ C
9	PINION RET NUT SPANNER	1	85T-10-10	✓
10	STARTER SHAFT SOCKET	1	85T-10-07	
11	SIDEPLATE OIL SEAL TOOL	1	85T-10-05	
12	BASE	1	85T-10-01	*
13	SUPPORT RING	1	84T-10-02	*
14	MANDREL	1	85T-10-05	*
15	KEEP PLATE	1	85T-10-04	*
16	SPOOL TOOL ASSEMBLY	1		T
17	FORK SETTING JIG BACKPLATE	1	85T-05-01	89T-10-02
18	PINION DEPTH JIG	1	87T-05-01	
	TOOL. SELECTOR FINGER SEAL	1	89T-10-05	A ✓
	TOOL. CLUTCH PISTON SEAL	1	89T-10-06	A ✓
	STARTER SHAFT PORSCHE	1	89T-11-03	✓
	STARTER SOCKET PORSCHE	1	89T-11-04	3 ✓
	GRUB SCREW 1/4" UNF x 3/8 LG. CONE POINT 1-OFF			