

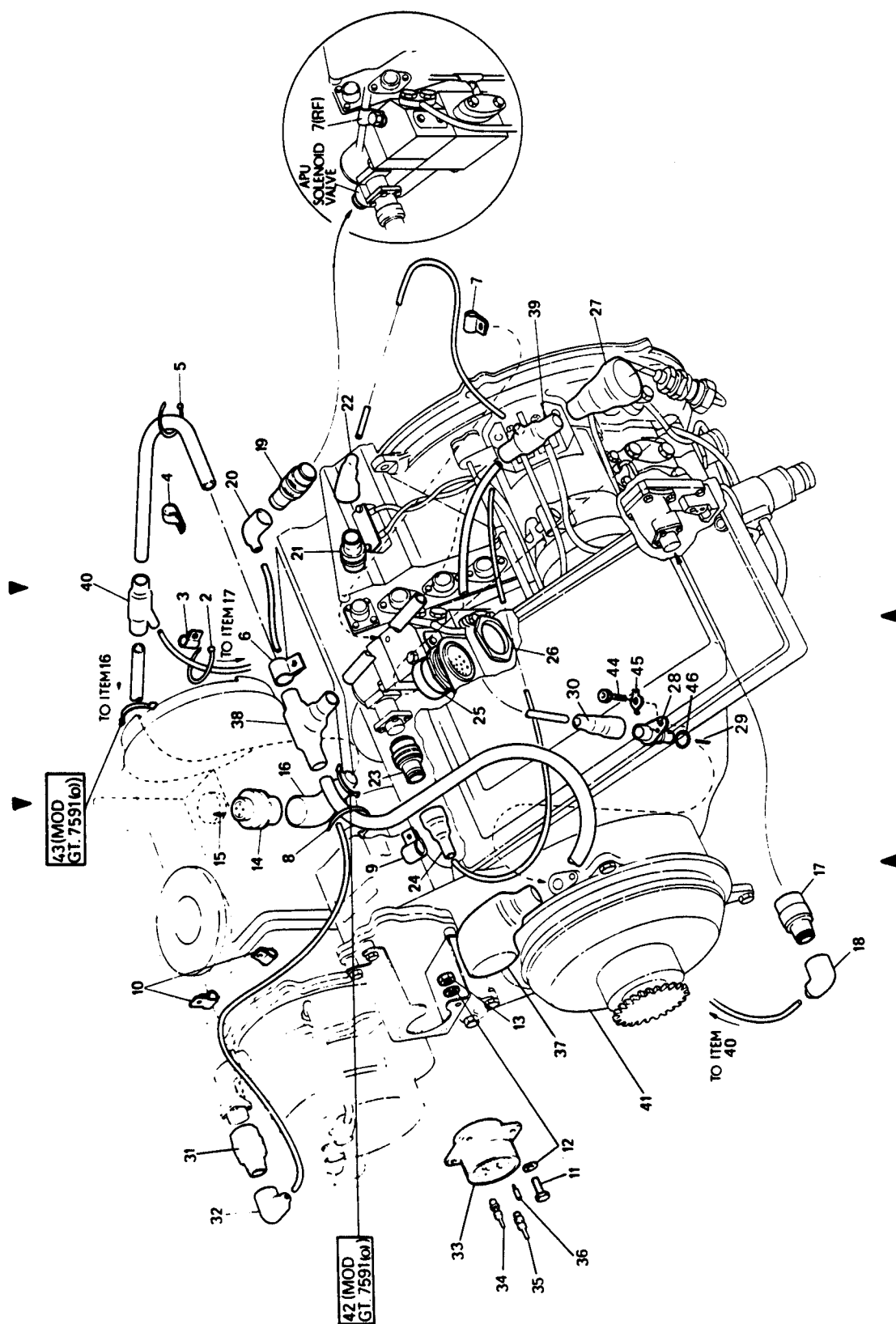


Fig.1 Harness, electrical - exploded view

DETAILED PARTS LIST

AP 103D-0304-3A

GTS/APU: HARNESS, ELECTRICAL

Fig. & Index	Part No.	123456	Nomenclature	Usage Code	Units per Assy
1- 1+	N.207924		Harness, electrical		1
			Attaching parts		
2	N.186454/2		Tie, cable (see fig. 3, (K0042)		1
			item 10) (SST-2)		
3	N.185173/23		Clip 'P' (K1316)		1
			(Pre-mod. GT.7591(0))		
			(see fig. 3, item 6 for location)		
			(HTX1380/3C)		
	91612003		Clip, 'P' (U1596)		1
			(Mod. GT.7591(0))		
			(see fig. 3, item 6 for location)		
4	N.185173/27		Clip 'P' (K1316)		1
			(Pre-mod. GT.7591(0))		
			(HTX.1380/7C)		
			(see fig. 3, item 86 for location)		
	91612007		Clip 'P' (U1596)		1
			(Mod. GT.7591(0))		
			(see fig. 3, item 86 for location)		
5	N.186454/2		Tie, cable (K0042)		1
			(SST-2)		
6	N.185173/27		Clip, 'P' (K1316)		1
			(Pre-mod. GT.7591(0))		
			(see fig. 4 item 45)		
			(HTX.1380/7C)		
	91612007		Clip, 'P' (U1596)		1
			(Mod. GT.7591(0))		
			(see fig. 4, item 45)		
7	N.199840		Clip, 'P' (Pre-mod. GT.7591(0))		1
			(see fig. 6, item 20 for location)		
	91612003		Clip, 'P' (U1596)		1
			(Mod. GT.7591(0))		
			(see fig. 6, item 20 for location)		
8	N.186454/2		Tie cable (SST-2) (K0042)		1
9	N.185173/27		Clip 'P' (K1316)		1
			(Pre-mod. GT.7591(0))		
			(HTX.1380/7C)		
10	N.185173/23		Clip 'P' (K1316)		2
			(Pre-mod. GT.7591(0))		
			(HTX.1380/3C)		
	91612003		Clip 'P' (U1596)		2
			(Mod. GT.7591 (0))		
11	NU.1403		Bolt, No.8 - 32 UNC - 2A		4
12	N.135943/3		Washer		8
13	N.157186/6		Locknut		4

+ Item not illustrated

DETAILED PARTS LIST

AP 103D-0304-3

Fig. / Index No.	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy
14	N.197741		. Connector (a.c. generator), (K0678) (UK-AN-6000-18-10P)		RF
15	N.180576/3		. Insert, pin size 12/14 (K0678) (2Z-139494)		4
16	N.199830		. Boot, 90°, (thin wall) (K1010) (222A-152-3)		1
17	N.199662/3		. Connector (S.O.C.) (K1316) (See fig.3, item 5 for location) (SLPT-06E-8-33S)		1
18	N.199832		. Boot, 90°, (K1010) (222A-121-3)		RF
19	N.199662/1		. Connector (APU solenoid valve), (SLPT-06E-8-33SE) (K1216)		1
20	N.199832		. Boot, 90°, (K1010) (222A-121-3)		RF
21	N.199665		. Connector (events counters), (K1316) (SLPT-06E-10-6S)		1
22	N.199831		. Boot, 90°, (K1010) (222A-132-3)		RF
23	N.199662/2		. Connector (idle solenoid valve) (SLPT-06E-8-33SF) (K1316)		1
24	N.199833		. Boot, straight, (K1010) (208A-032-3)		RF
25	N.199663		. Connector (aircraft harness) (K1316) (SLPT-07E-18-32S)		1
26	-		. . Nut, 1.250-18 NEF thread		RF
26A	82401788		. . 'O' ring (Mod. LM.3033)		RF
27	N.199828		. Boot, straight (thin wall) (K1010) (202A-163-3-G17)		1
28	N.205092		. Plug assembly (disconnect)		1
29	N.199779		. . Pin, (2841-5-9000) (K1316)		6
30	N.186409		. Boot, straight (thin wall) (K1010) (202A-121-3)		1
31	N.199662/3		. Connector (brake solenoid valve), (SLPT-06E-8-33S) (K1316)		1
32	N.199832		. Boot, 90°, (222A-121-3) (K1010)		RF
33	N.197742		. Connector (engine harness), (K0678) (UK-AN-5000-28-11P)		1
34	N.180576/5		. Insert, pin size 12 (contact 'J' and 'M'), (2Z-111033) (K0678)		2
35	N.180576/3		. Insert, pin, size 12/14 (K0678) (contacts 'K' and 'L') (2Z-139494)		2
36	N.202146		. Plug, filler (length to be adjusted) (508/05577/001) (K0678)		1

*Item not illustrated

DETAILED PARTS LIST

GTS/APU: HARNESS, ELECTRICAL

Fig. / Index No.	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy
37	N.186393	.	Boot, 90° (222A-163-3)	(K1010)	1
38	N.199826	.	Transition, 90° (side break-out) (322A-024-3)	(K1010)	1
39	N.199825	.	Transition, 90° (side break-out) (322A-112-3)	(K1010)	1
40	N.199827	.	Transition, 45° (342A-012-3)	(K1010)	1
41	CR 20101		Starter, gas turbine/APU-ECU (see fig 1, item 2, Chap 1-0)		RF
42	N.186454-1		Tie, cable (Mod. GT7591) (SST-1)	(K0042)	1
43	N.186454-1		Tie, cable (Mod. GT7591) (SST-1)	(K0042)	1
44	NU.1401		Bolt, No 8-32 UNC		1
45	NK.7710		Washer, tab		1
46	N.177392-19		'O' ring		1
47+	82401422		Cover, protective (Mod. GT7701)		1
48+	82401420		Cover, protective (Mod. GT7701)		1
49+	82401421		Cover, protective (Mod. GT7701)		1

+Item not illustrated

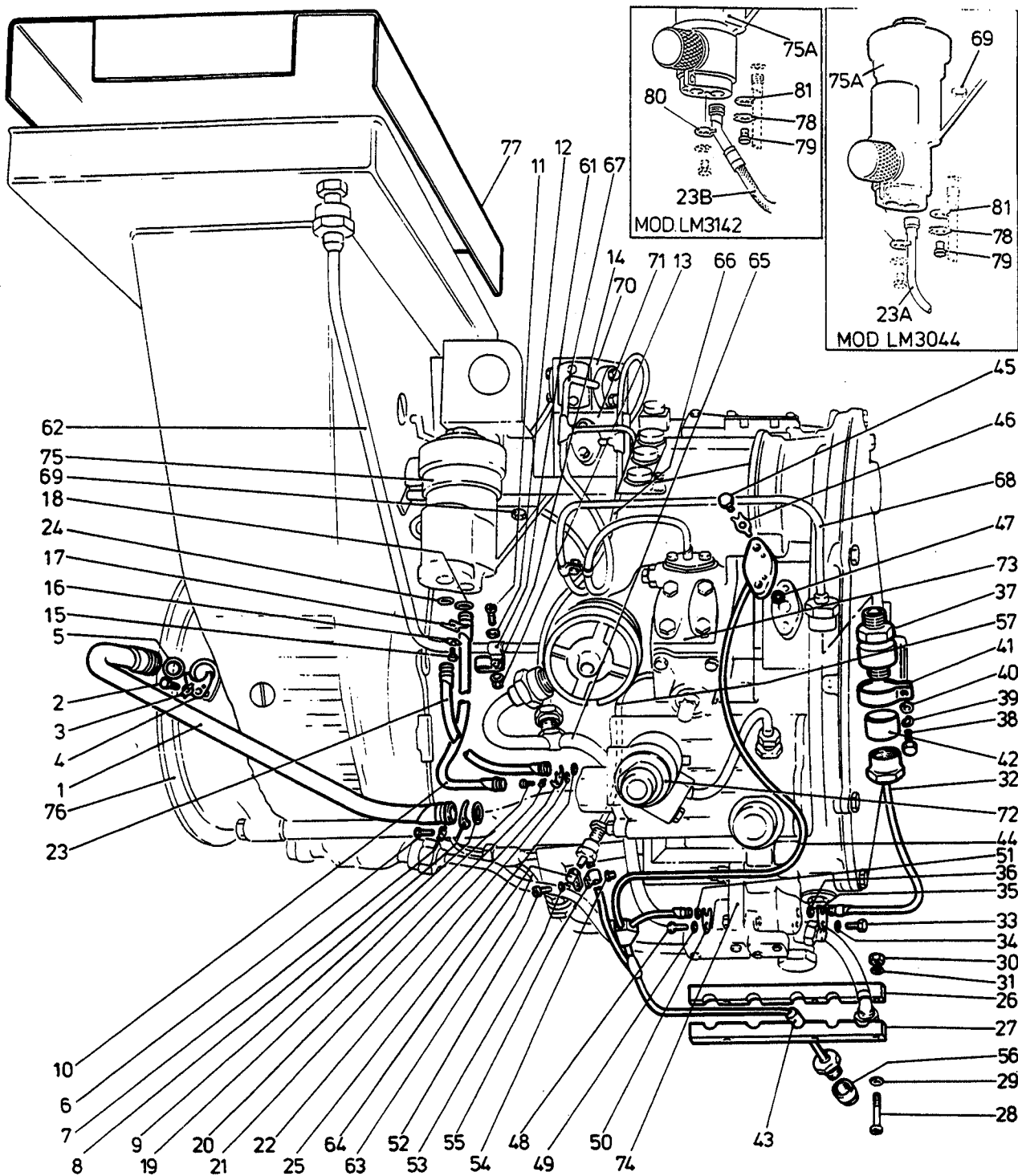


Fig.2 Piping, external and block, pipe support

DETAILED PARTS LIST

AP 103D-0304-3

GTS: PIPING, EXTERNAL

Fig./ Index No.	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy
2-1	N.208023		Pipe assembly, oil scavenge, main gearbox		1
			Attaching parts		
2	NU.1401		Bolt, 8-32 UNC		1
3	N.199466		Washer, tab		1
4	N.196958		Plate, keeper		1
5	N.177392/3		'O' ring		1
6	NU.1401		Bolt, 8-32 UNC		1
7	N.199466		Washer, tab		1
8	N.196958		Plate, keeper		1
9	N.177392/3		'O' ring		1
10	N.199877		Pipe assembly, (oil scavenge filter item 75 to oil pump item 72)		1
			Attaching parts		
11	A.218-D16		Screw, 10-32 UNF, (BSP) (Lucas Part No. NU.2763)		1
12	SP.27-C		Washer, plain (BSP) (Lucas Part No. NK.7058)		1
13	N.196189/6		Nut and captive washer assembly		1
14	N.185173/27		Clip 'P' (K1316) (Pre-mod. GT.7591(0)) (HTX.1380/7C)		1
	91612007		Clip 'P' (U1596) (Mod. GT.7591(0))		1
15	NU.1402		Bolt, 8-32 UNC		1
16	N.199466		Washer, tab		1
17	N.202616		Plate, keeper		1
17A	82401811		Plate, keeper (Mod. LM3044)		1
18	N.177392/1		'O' ring		1
19	NU.1401		Bolt, 8-32 UNC)		1
20	N.199466		Washer, tab) also for item 23		1
21	N.199884		Plate, keeper)		1
22	N.177392/1		'O' ring		1
23	N.199876		Pipe assembly, (oil pump, item 72 to oil scavenge filter item 75)		1
23A	82401821		Pipe assembly, (oil pump, item 72 to oil scavenge filter item 75A) (Mod. LM3044) (Pre-mod. LM3142)		1
23B	82402780		Pipe assembly, (oil pump, item 72 to oil scavenge filter item 75A) (Mod. LM3142)		1
			Attaching parts (see also items 15,19,20,78 and 79)		
24	N.177392/1		'O' ring		1
25	N.177392/1		'O' ring		1

+Item not illustrated

DETAILED PARTS LIST

AP 103D-0304-3A

GTS: PIPING, EXTERNAL

Fig. & Index	Part No.	123456	Nomenclature	Usage Code	Units per Assy
contd.					
2-26	N.199837/1		Support block, pipe (Pre-mod. GT.7560)		1
	N.210380		Support block pipe (Mod. GT.7560)		1
27	N.199837/1		Support block, pipe (Pre-mod. GT.7560)		1
	N.210380		Support block, pipe (Mod. GT.7560)		1
28	N.137746/11		Bolt, 8-32 UNC		3
29	N.135943/3		Washer, plain		3
30	N.157186/6		Locknut		1
31	N.135943/3		Washer, plain		1
32	N.202050		Pipe assembly, (pressure raising valve item 37 to shut-off cock and dump valve item 74)		1
			Attaching parts		
33	N.137740/1		Bolt, 8-32 UNC		1
34	N.135943/3		Washer, plain		1
35	N.179314		Plate, keeper		1
36	N.204643		Ring, sealing (GTS 240-2)		1
37	P.R.V.100		Valve, pressure raising, (see Chap. 2-4, fig. 10 for details) (part of Lucas PGC. 104 and PGC105 fuel systems)		1
			Attaching parts		
38	NU.1503		Bolt, 10-32 UNF		1
39	SP.47-C		Washer, spring, 2 BA (BSP) (Lucas Part No. NK.7203)		1
40	SP.27-C		Washer, plain, 2 BA (BSP) (Lucas Part No. NK.7058)		1
41	N.185623		Clamp, pipe		1
42	N.139572/ 162		Sleeve insulation		1
43	N.139572/ 160		Sleeve, insulation		1
44	N.199907		Pipe assembly, (fuel pump item 73 and APU governor (fig.3, item 38) drains to shut-off cock and dump valve item 74, and to pipe support block item 27)		1
			Attaching parts		
45	NU.1505		Bolt, 10-32 UNF		2
46	SP.42-C		Washer, tab, 2 BA (BSP) (Lucas Part No. NK.7401)		2
47	N.204642/1		Ring, sealing		1

DETAILED PARTS LIST

GTS: PIPING, EXTERNAL

Fig. / Index No.	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy
contd.					
2-48	N.137740/1		Bolt, 8-32 UNC		1
49	N.135943/3		Washer, plain		1
50	N.179314		Plate, keeper		1
51	N.204643		Ring, sealing (GTS 240-2)		1
52	A.218-D16		Screw, 10-32 UNF (BSP) (Lucas Part No. NU.2763)		1
53	SP.27-C		Washer, plain 2BA (BSP) (Lucas Part No. NK.7058)		1
54	N.196189/6		Nut and captive washer assembly		1
55	N.185173/23		Clip, 'P' (K1316) (Pre-mod. GT.7591(0)) (HTX.1380/3C) (for location, see fig. 3, item 40; see also fig. 3, items 40 to 52)		1
	91612003		Clip, 'P' (U1596) (Mod. GT.7591(0)) (for location, see fig. 3, item 40; see also fig. 3, items 40 to 52)		1
56	N.176764/1		Cap, protective, (transport (K1489) item only), (SP.260/A)		1
57	N.199769		Pipe assembly, (from oil pump item 72 to union with pipe assembly item 63) (see fig. 3, item 53 and fig. 7, item 7)		RF
			Attaching parts		
58+	NU.1402		Bolt, 8-32 UNC) (see Chap. 2-5,		RF
59+	N.197346		Plate, keeper) fig. 1, items 47 and 48		
60+	N.177392/20		'O' ring (see fig. 7, item 10)		RF
61	N.185173/24		Clip 'P' (K1316) (Pre-mod. GT.7591(0)) (HTX.1380/4C)		1
	91612004		Clip 'P', (Mod. GT.7591(0)) (U1596)		1
62	N.199554		Pipe assembly, (exhaust duct rain tray to air intake duct), (see fig. 7, item 15)		RF
63	N.199785		Pipe assembly, (from union with pipe item 57 to a.c. generator drive casing) (see fig. 3, item 54)		RF
			Attaching parts		
64	N.185173/24		Clip 'P' (K1316) (Pre-mod. GT.7591(0)) (see fig. 3, item 55) (HTX. 1380/4C)		1
	91612004		Clip 'P' (Mod. GT.7591(0)) (U1596) (see fig. 3, item 55)		1
65	N.204653		Pipe assembly, (from pipe support block item 26 to fuel pump L.P. filter (see fig. 3, item 24)		RF

+Item not illustrated

DETAILED PARTS LIST

GTS: PIPING, EXTERNAL

Fig. / Index No.	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy
contd.					
2-66	N.204654		Pipe assembly, (from union with pipe fig. 4, item 31 to APU solenoid valve item 71, and to fuel inlet pipe item 65) (see fig. 4, item 35)		RF
67	N.199900		Pipe assembly, (fuel pump delivery item 73 to idle solenoid valve item 70 and to idling control valve). (see fig. 4, item 18)		RF
68	N.199901		Pipe assembly, (from idle solenoid valve item 70 to pressure raising valve item 37), (see fig. 4, item 1)		RF
68A+	82401418		Pipe assembly (MOD. GT.7702) CR202 only		RF
ATTACHING PARTS					
69	A.104-3C		Bolt, 8-32 UNC, (for (BSP) location only) (Lucas Part No. NU.1408) (see also fig. 4, items 6, 7, 8, 9 and 10)		RF
70	S.V. 109		Valve, idle solenoid, (see fig. 6, item 15)		RF
71	S.V. 108		Valve, APU solenoid, (see fig. 6, item 16)		RF
72	N.197321/5		Pump, oil (see fig. 7, item 4)		RF
73	P.G. 100		Pump and top speed governor, fuel (see fig. 6, item 1)		RF
74	S.D.V 102		Valve assembly, shut-off cock and dump (see fig. 7, item 1) (Pre-Mod.LM3166)		RF
74A	S.D.V 106		Valve assembly, shut-off cock and dump (see fig. 7, item 1) CR202 (Mod.LM3166)		RF
75	N.201286		Filter assembly, oil scavenge, (see fig. 7, item 20)		RF
75A	82401817		Filter assembly, oil scavenge, (Mod. LM3044), (see fig. 7, item 20A)		RF
76	CR.201		Starter, gas turbine, (see fig. 1), item 3, Chap. 1-0)		RF
77	N.202611		Cover, exhaust, (protection), (transport item only) Attaching parts for item 23A (Mod. LM3044)		1
78	SP 123-C		Washer, (Mod. LM3044)		1
79	82401812		Plate, keeper (Mod. LM3044)		1

+Item not illustrated

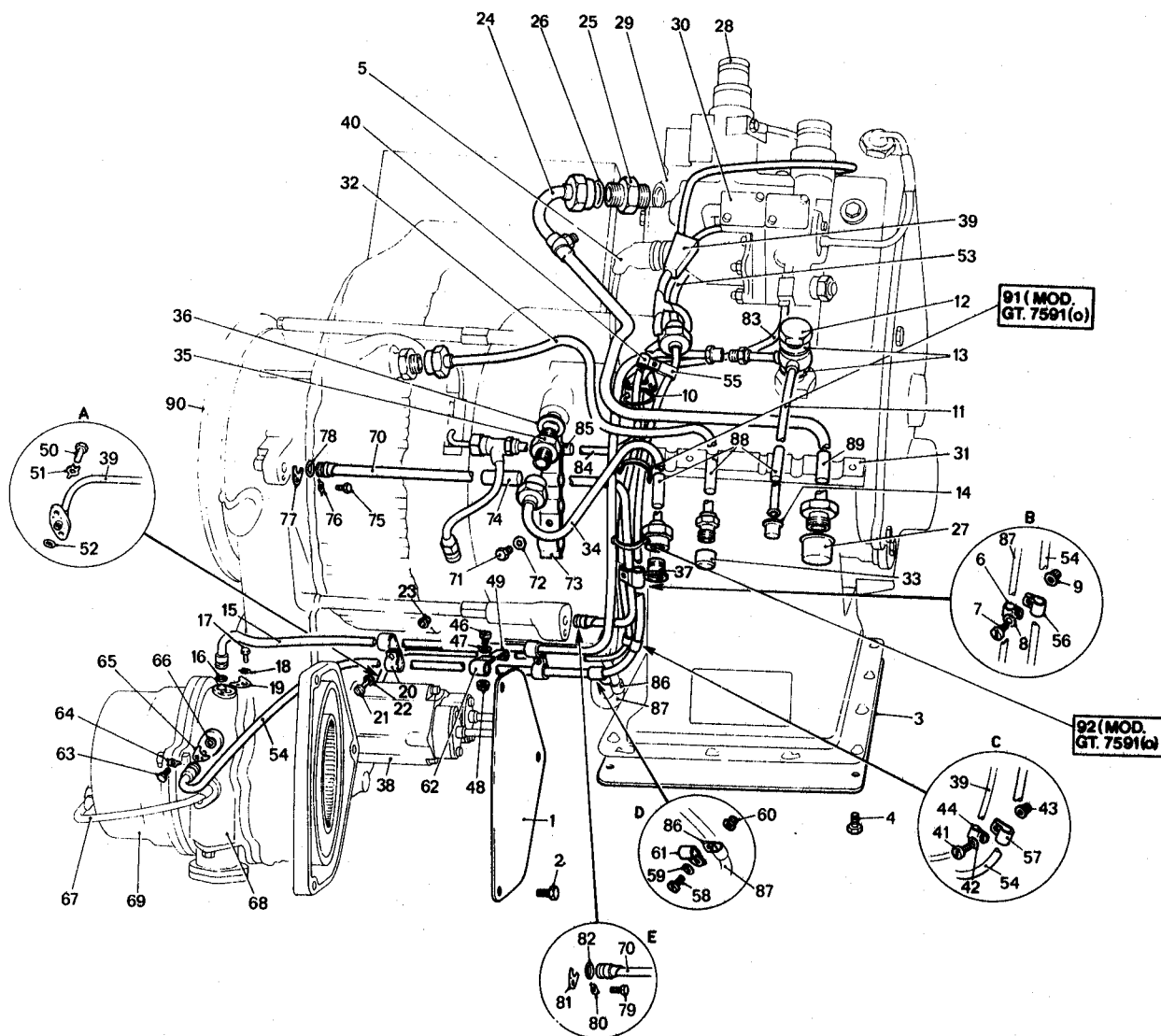


Fig. 3 Pipes, external, and plates, blanking

DETAILED PARTS LIST

GTS: PIPING, EXTERNAL, AND PLATES, BLANKING

Fig. / Index No.	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy
3- 1	N.201273		Cover, blanking, (a.c. generator) (Pre-mod LM60774)		1
2	PNU.106		Bolt, 0.250 - 28 UNF (Pre-mod LM60774)		3
3	N.201274		Plate, blanking (air intake duct)		1
4	PNU.1501		Bolt, 10-32 UNF		4
5	N.199662/3		Connector, (S.O.C.)(for location only) (see fig. 1 item 17)		RF
6	N.185173/23		Clip 'P' (K1316) (Pre-mod. GT.7591(0)) (for location only) (see fig. 1 item 3)		RF
	91612003		Clip, 'P', (Mod. GT.7591(0)) (U15986) (for location only) (see fig. 1, item 3)		RF
7	A.218-D16		Screw, 10-32 UNF, (see inset (BSP) "B") (Lucas Part No. NU.2763)		1
8	SP.27-C		Washer, plain, 2BA (BSP) (Lucas Part No. NK.7058)		1
9	N.196189/6		Nut and captive washer assembly		1
10	N.186454/2		Tie cable, (for location only) (see fig. 1 item 2)		RF
11	N.209955		Pipe assembly (drain from union with pipe item 15 and from air intake duct to pipe support block item 31)		
			Attaching parts		
12	AGS.1135-B		Bolt, banjo (BSP)		1
13	AGS.1139-B		Washer, copper (BSP)		2
14	N.171322/15		Cap, protection (transport (K1489) item only), (SP.330/2)		1
15	N.209956		Pipe assembly, (drain from brake face seal to union with pipe item 11)		1
			Attaching parts		
16	N.177392/20		'O' ring		1
17	NU.1401		Bolt, 8-32 UNC x 0.3 in		1
18	N.199466		Washer, tab		1
19	N.199467		Plate, keeper		1
20	N.185173/24		Clip, 'P' (K1316) (Pre-mod. GT.7591(0)) (HTX.1380/4C)		4
	91612004		Clip, 'P' (Mod. GT.7591(0)) (U1596)		4
21	A.218-D16		Screw, 10-32 UNF, (BSP)		2
22	SP.27-C		Washer, plain 2BA (BSP)		2
23	N.196189/6		Nut and captive washer assembly		2
24	N.204653		Pipe assembly, (fuel inlet: from pipe support block item 31 to fuel pump item 29)		1

+Item not illustrated

DETAILED PARTS LIST

GTS: PIPING, EXTERNAL, AND PLATES, BLANKING

Fig. / Index No.	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy
3-					
25	N.199708		Attaching parts Union, adaptor		1
26	N.157554/2		'O' ring		
27	N.183673/6		Cap, protection, (transport (K1489) item only), (SP.270/7)		1
28	N197321/5		Pump, oil, (see fig. 7, item 4)	RF	
29	P.G. 100		Pump and top speed governor, fuel (see fig. 6, item 1)	RF	
30	S.D.V. 102		Valve assembly, shut-off cock and dump (see fig. 17, item 1) (Pre-Mod. LM3166)	RF	
30A	S.D.V. 106		Valve assembly, shut-off cock and dump (see fig. 17, item 1) CR202 (Mod. LM3166)	RF	
31	N.199837/1		Support block pipe	RF	
32	N.197590		Pipe assembly, (exhaust duct drain to pipe support block item 31)	1	
33	N.176764/2		Cap, protective (K1489) 1 (SP.260/B)		
34	N.197591		Pipe assembly, (main air casing drain to pipe support block item 31)	1	
35	N.184350		Attaching parts Union, adaptor		1
36	N.66476		Washer, copper		1
37	N.183672/2		Plug, protective, (K1489) 1 (SP.280/B)		
38	A.P.G. 100		Governor, auxiliary power unit, (A.P.U.) (see fig. 6, item 11)	RF	
39	N.199907		Pipe assembly, (from fuel pump item 29, and APU governor item 38, drains to S.O.C. item 30, and to pipe support block item 31), (for location only), (see fig. 2, item 44).	RF	
40	N.185173/23		Attaching parts Clip, 'P' (K1316) (Pre-Mod. GT.7591(0)) (for location only) (see fig. 2, item 55)	RF	
	91612003		Clip 'P' (U1596) (Mod. GT.7591(0)) (for location only), (see fig. 2, item 55)	RF	
41	A.218-D16		Screw, 10-32 UNF (see (BSP) inset 'C'), (Lucas Part No. NU.2763)	1	
42	SP.27-C		Washer, plain, 2BA (BSP) (Lucas Part No. NK.7058)	1	

+Item not illustrated

DETAILED PARTS LIST

AP 103D-0304-3

GTS: PIPES, EXTERNAL, AND PLATES, BLANKING

Fig. & Index	Part No.	123456	Nomenclature	Usage Code	Units per Assy
contd.					
3-43	N.196189/6		Nut and captive washer assembly		1
44	N.185173/23		Clip, 'P' (K1316)		1
			(Pre-mod. GT.7591(0))		
			(HTX.1380/3C)		
	91612003		Clip, 'P' (K1596)		1
			(Mod. GT.7591(0))		
45			Not allocated		
46	A.218-D16		Screw, 10-32 UNF (BSP)		1
			(Lucas Part No. NU.2763)		
47	SP.27-C		Washer, plain, 2BA (BSP)		1
			(Lucas Part No. NK.7058)		
48	N.196189/6		Nut and captive washer assembly		1
49	N.185173/23		Clip, 'P' (K1316)		1
			(Pre-mod. GT.7591(0))		
			(HTX.1380/3C)		
	91612003		Clip, 'P' (U1596)		1
			(Mod. GT.7591(0))		
50	NU.1502		Bolt, 10-32 UNF, (see inset 'A')		2
51	SP.42-C		Washer, tab, 2BA, (BSP)		2
			(Lucas Part No. NK.7401)		
52	N.204642/1		Ring, sealing		1
53	N.199769		Pipe assembly, (from oil pump item 28 to union with pipe item 54) (see fig. 2, item 57 and fig. 7, item 7)		RF
54	N.199785		Pipe assembly (oil from union with pipe item 53 to a.c. generator drive casing item 68)		1
			Attaching parts		
55	N185173/24		Clip, 'P', (K1316)		RF
			(Pre-mod. GT.7591(0))		
			(for location see fig. 2, item 64)		
	91612004		Clip, 'P', (U1596)		RF
			(Mod. GT.7591(0))		
			(for location see fig. 2, item 64)		
56	N.185173/24		Clip, 'P', (K1316)		1
			(Pre-mod. GT.7591(0))		
			(see inset 'B') (HTX.1380/4C)		
	91612004		Clip, 'P' (U1596)		1
			(Mod. GT.7591(0))		
			(see inset 'B')		
57	N.185173/24		Clip, 'P' (K1316)		1
			(Pre-mod. GT.7591(0))		
			(see inset 'C') (HTX.1380/4C)		

DETAILED PARTS LIST

AP 103D-0304-3

GTS: PIPES, EXTERNAL, AND PLATES, BLANKING

Fig. & Index	Part No.	123456	Nomenclature	Usage Code	Units per Assy
3-	91612004		Clip, 'P' (U1596) (Mod. GT.7591(0)) (see inset 'C')		1
58	A.218-D16		Screw, 10-32 UNF, (see (BSP) inset "D") (Lucas Part No. NU.2763)		1
59	SP.27-C		Washer, plain, 2 BA. (BSP) (Lucas Part No. NK.7058)		1
60	N.196189-6		Nut and captive washer assembly		1
61	N.185173-24		Clip, 'P', (K1316) (Pre-mod. GT.7591) (HTX.1380/4C)		1
	91612004		Clip, 'P', (U1596) (Mod. GT.7591(0))		1
62	N.185173-24		Clip, 'P' (K1316) (Pre-mod. GT.7591(0)) (HTX.1380/4C)		1
	91612004		Clip, 'P' (Mod.GT.7591(0))(U1596)		1
63	NU.1401		Bolt, 8-32 UNC		1
64	N.199466		Washer, tab		1
65	N.199467		Plate, keeper		1
66	N.177392-20		'O' ring		1
67	N.199801		Pipe assembly, (from a.c. generator drive casing item 68 to brake cover housing item 69), (see Chap. 2-3, fig. 1, item 2)		RF
68	N.209952		Casing, a.c. generator drive		RF
69	N.199787		Housing, brake cover (Pre-mod. GT.7595)		RF
	82400903		Housing, brake cover (Mod.GT.7595)		
70	N.197588		Pipe assembly, (P ₂ air from main air casing to main (gearbox) Attaching parts		1
71	N.137746-1		Bolt, 8-32 UNC		2
72	N.60200 1		Washer		2
73	N.180526		Clamp, pipe		1
74	N.139572-161		Sleeve, (insulation)		1
75	NU.1401		Bolt, 8-32 UNC		1
76	N.199466		Washer, tab		1
77	N.196945		Plate, keeper		1
78	N.177392-20		'O' ring		1
79	NU.1401		Bolt, 8-32 UNC (see inset "E")		1
80	N.199466		Washer, tab		1
81	N.196945		Plate, keeper		1

DETAILED PARTS LIST

AP 103D-0304-3

GTS: PIPES, EXTERNAL, AND PLATES, BLANKING

Fig. & Index	Part No.	Nomenclature	Usage Code	Units per Assy
		123456		
82	N.177392/20	'O' ring		1
83	N.199573	Pipe assembly, (from S.O.C. item 30 to H.P. fuel filter), (see fig. 5, item 1)		RF
84	N.197956	Pipe assembly (from H.P. fuel filter to fuel manifolds Chap. 2-2, fig. 3, items 18 and 19), (see fig. 5, item 15)		RF
85	N.139572/160	Sleeve, insulation		1
86	N.185173/27	Clip, 'P', (K1316) (Pre-mod. GT.7591(0)) (for location only - see inset "D") (HTX.1380/7C), (see fig. 1, item 4)		RF
	91612007	Clip, 'P' (Mod. GT.7591(0)) (U1596) (for location only - see inset "D")		RF
87	N.207924	Harness (see fig.1)		RF
88	N.139572/161	Sleeve, insulation		3
89	N.139572/203	Sleeve, insulation		1
90	CR.201	Starter, gas turbine, (see Chap.1-0, fig. 1, item 3)		RF
91	N.186454/1	Tie, cable (K0042) (for electrical harness) (SST-2) (Mod. GT.7591(0))		1
92	N.186454/1	Tie, cable (K0042) (for electrical harness) (SST-2) (Mod. GT.7591(0))		1

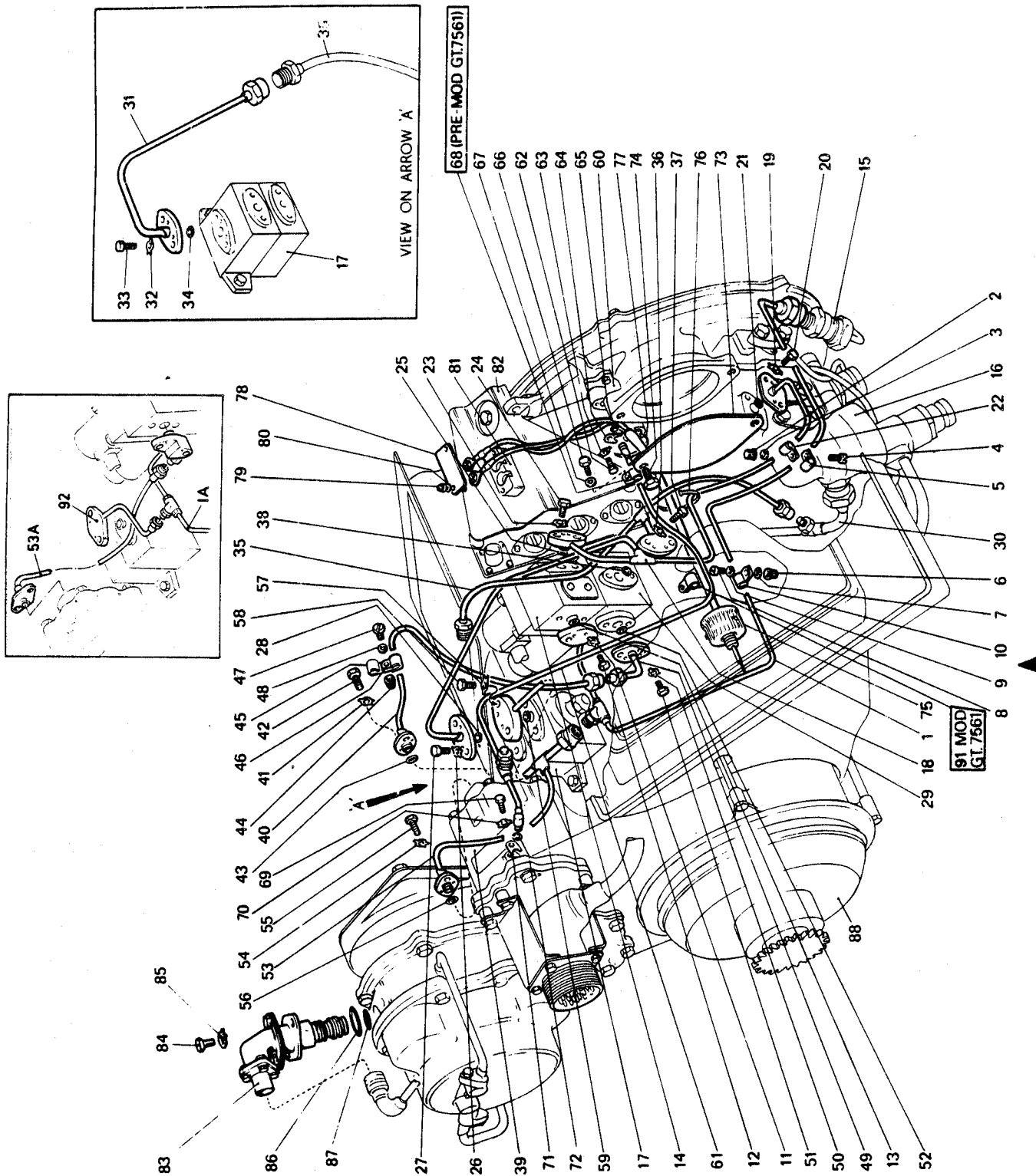


Fig. 4 Pipes, external, and valve, brake solenoid

DETAILED PARTS LIST

► GTS: PIPING, EXTERNAL, AND VALVE, BRAKE SOLENOID ◀

Fig. / Index No.	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy
4-1	N.199901		Pipe assembly, (from idle solenoid valve, item 14 to pressure raising valve item 15)		1
1A	82401418		Pipe assembly, (Mod. GT. 7702) CR202 only.		1
			ATTACHING PARTS		
2	N.196189-6		Nut and captive washer assembly		1
3	SP. 27-C		Washer, plain 2 BA (BSP) (Lucas Part No. NK.7058)		1
4	A.218-D16		Screw, (cheese head) (BSP) 10-32 UNF (Lucas Part No. NU2763)		1
5	N.185173-23		Clip, 'P' (K1316) (Pre-mod. GT.7591(0)) (HTX.1380-3C)		1
	91612003		Clip, 'P' (U1596) (Mod. GT. 7591(0))		1
6	A.127-C		Stiffnut, 8-32 UNC (BSP) (Lucas Part No. NU.9043)		1
7	N.135943-3		Washer, plain		1
8	A.104-3C		Bolt, 8-32 UNC (BSP) (Lucas Part No. NU.1408) (see fig. 2, item 69 for location)		1
9	N.135943-3		Washer, plain		1
10	N.185173-23		Clip, 'P' (K1316) (Pre-Mod. GT.7591(0)) (HTX.1380-3C) (see fig. 2, item 69 for location)		1
	91612003		Clip 'P' (U1596) (Mod. GT. 7591(0))		1
11	SP. 42-C		Washer, tab, 2 BA, (BSP) (Lucas Part No. NK.7401)		2
12	NU.1505		Bolt, 10-32 UNF (Pre-Mod. GT. 7702)		1
12A	NU.1511		Bolt, 10-32 UNF (Mod. GT. 7702) CR202 only		1
12B	NU.1508		Bolt, 10-32 UNF (Mod. GT. 7702) CR202 only		1
13	N.204642-1		'O' ring (sealing)		1
14	S.V. 109		Valve, idle solenoid, (see fig. 6 item 15)		RF
15	P.R.V. 100		Valve, pressure raising (see fig. 2 item 37)		RF
16	P.G. 100		Pump and top speed governor, fuel, (see fig. 6, item 1)		RF

+Item not illustrated

DETAILED PARTS LIST

AP 103D-0304-3

► GTS: PIPING, EXTERNAL, AND VALVE, BRAKE SOLENOID

Fig. / Index No.	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy
contd.					
17	I.V. 100		Valve, idling control (see fig. 6 item 21)		RF
18	N.199900		Pipe assembly, (from fuel pump delivery item 16 to idle solenoid valve item 14, and to idling control valve item 17)		1
19	SP. 42-C		ATTACHING PARTS Washer, tab, 2 BA (BSP) (Lucas Part No. NK7401)		2
20	NU.1502		Bolt, 10-32 UNF		2
21	N.204642/2		'O' ring, (sealing) (Pre-Mod. GT. 7558(0))		1
22	N.204642/3 N.185173/23		'O' ring, (sealing)(Mod.GT.7558(0)) Clip, 'P' (K1316) (Pre-Mod.GT.7591(0))HTX.1380/3C)		1 1
	91612003		Clip, 'P' (U1596) (Mod.GT.7591(0))		1
23	SP. 42-C		Washer, tab.2 BA (BSP) (Lucas Part No. NK7401)		2
24	NU.1505		Bolt, 10-32 UNF		2
25	N.204642/1		'O' ring, (sealing)		1
26	SP. 42-C		Washer, tab, 2 BA (BSP) (Lucas Part No. NK.7401)		2
27	NU. 1502		Bolt, 10-32 UNF		2
28	N.204642/1		'O' ring, (sealing)		1
29	S.V. 108		Valve,APU solenoid,(see fig.6, item 16)		RF
30	N.204653		Pipe assembly,(fuel inlet),(see fig.3) item 24)		RF
31	N.199906		Pipe assembly,(from idling control valve item 17 to union with pipe, item 35) (see inset)		1
32	SP. 42-C		ATTACHING PARTS Washer, tab, 2 BA (BSP) (Lucas Part No. NK.7401)		2
33	NU. 1505		Bolt, 10-32 UNF		2
34	N.204642/1		'O' ring, (sealing)		1
35	N.204654		Pipe assembly,(from union with pipe item 31 to APU solenoid valve item 29, and to fuel inlet pipe item 30),(see also inset)		1
36	SP. 42-C		ATTACHING PARTS Washer, tab, 2 BA (BSP) (Lucas Part No. NK.7401)		2
37	NU. 1505		Bolt, 10-32 UNF		2
38	N.204642/1		'O' ring, (sealing)		1
39	A.P.G. 101		Governor, APU, (see fig. 6, item 11)		RF
40	N.202612		Pipe assembly, (from APU governor item 39 to union with pipe item 49)		

+Item not illustrated

DETAILED PARTS LIST

► GTS: PIPING, EXTERNAL, AND VALVE, BRAKE SOLENOID

Fig. / Index No.	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy
4-			ATTACHING PARTS		
41	SP. 42-C		Washer, tab, 2 BA (BSP) (Lucas Part No. NK.7401)		2
42	NU.1502		Bolt, 10-32 UNF		2
43	N.204642-1		'O' ring, (sealing)		1
44	N.196189-9		Nut and captive washer assy		1
45	N.185173-27		Clip, 'P' (K1316) (Pre-Mod.GT.7591(0)) (for location)(see fig.1 item 6)(HTX.1380-3C)		RF
	91612007		Clip, 'P' (U1596) (Mod.GT.7591(0)) (for location)(see fig.1 item 6)		RF
46	N.185173-23		Clip, 'P' (K1316) (Pre-Mod.GT.7591(0)) (HTX.1380-3C)		1
	91612003		Clip, 'P' (U1596) (Mod.GT.7591(0))		1
47	A.218-D16		Screw, 10-32 UNF (BSP) (Lucas Part No. NU.2763)		1
48	SP. 27-C		Washer, plain, 2 BA (BSP) (Lucas Part No. NK.7058)		1
49	N.199904		Pipe assembly, (from union with pipe item 40 to APU solenoid valve item 29)		1
			ATTACHING PARTS		
50	SP. 42-C		Washer, tab, 2 BA (BSP) (Lucas Part No. NK.7401)		2
51	NU.1502		Bolt, 10-32 UNF		2
52	N.204642-1		'O' ring, (sealing)		1
53	N.205229		Pipe assembly, (from APU governor item 39 to union with pipe item 1 and to idling control valve item 17)		1
53A	82401426		Pipe assembly, (from idling valve item 17 to union with pipe item 1A) (Mod.GT.7702) CR202 only		1
			ATTACHING PARTS		
54	SP. 42-C		Washer, tab, 2 BA (BSP) (Lucas Part No. NK.7401)		2
55	NU.1502		Bolt, 10-32 UNF		2
56	N.204642-1		'O' ring, (sealing)		1
57	SP. 42-C		Washer, tab, 2 BA (BSP) (Lucas Part No. NK.7401)		2
58	NU. 1505		Bolt, 10-32 UNF		2
59	N.204642-1		'O' ring, (sealing)		1
60	N.199842		Housing assembly, filter (oil) (see chap. 2-2 fig. 1 item 99)		RF

+Item not illustrated

DETAILED PARTS LIST

GTS: PIPING, EXTERNAL, AND VALVE, BRAKE SOLENOID

Fig. / Index No.	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy
contd.					
4-61	N.204765		Pipe assembly, (oil delivery from oil pressure filter item 60 to main gearbox Chap. 2-3)		1
			Attaching parts		
62	NU.1401		Bolt, 8-32 UNC		1
63	N.199466		Washer, tab		1
64	N.196945		Plate, keeper		1
65	N.177392/20		'O' ring, (sealing)		1
66	N.137216/4		Bolt, 10-32 UNC, (see fig. 7, item 29)		RF
67	SP.27-C		Washer, plain, 2BA (BSP) (Lucas Part No. NK.7058) (see fig. 7, item 30)		RF
68	N.199840		Clip assembly, 'P' (Pre-mod. GT.7561)		1
69	NU.1401		Bolt, 8-32 UNC		1
70	N.199466		Washer, tab		1
71	N.199467		Plate, keeper		1
72	N.177392/20		'O' ring, (sealing)		1
73	N.201272		Cover, blanking, (electric starter motor mounting boss)		1
74	PNU.106		Bolt, 0.250 - 28 UNF		2
75	N.201268		Thermocouple (with leads), (K0802) (1301 KTC/1) (Pre-mod LM3061)		1
75A+	82401923		Lead assembly, thermocouple (Mod. LM3061)		1
75B+	SP.47-C		. Washer, spring (Mod. LM3061)		1
75C+	SP.27-B		. Washer, plain (Mod. LM3061)		1
75D+	AGS.2035B		. Washer, shakeproof (Mod. LM3061)		1
			Attaching parts		
76	N.186454/1		Tie, cable, (K0042) (SST-1)		1
77	N.186454/1		Tie, cable, (K0042) (SST-1)		1
78	N.199724		Cover, (terminal block)		1
			Attaching parts		
79	N.199727		Screw, trapped, 6-32 UNC		2
80	SP.27-B		Washer, plain, (BSP) (Lucas Part No. NK.7056)		2
81	N.199723		Block, terminal, (see fig.7, item 32)		RF
82	N.199671/1		Bracket and bush assembly (see fig.7, item 23)		RF

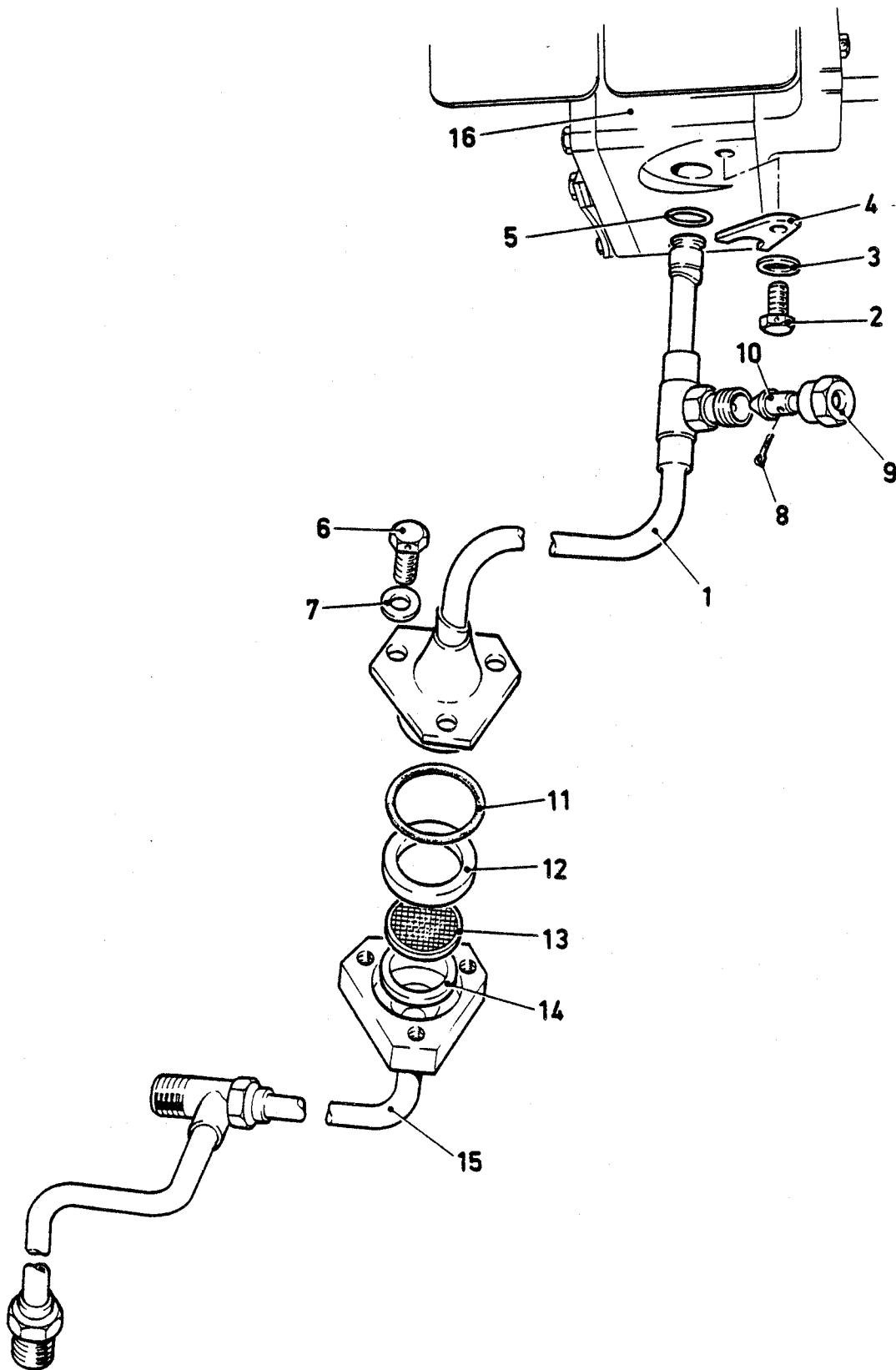


Fig.5 Filter, high pressure fuel, and pipes, fuel supply

DETAILED PARTS LIST FILTER, HIGH PRESSURE FUEL, AND PIPES, FUEL SUPPLY

Fig. / Index No.	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy
5- 1	N.199573		Pipe assembly (fuel from S.O.C. item 16 to H.P. fuel filter)		1
			ATTACHING PARTS		
2	N.137740/1		Bolt, 8-32 UNC		1
3	N.135943/3		Washer, plain		1
4	N.179314		Plate, keeper		1
5	N.204643		'O' ring sealing (GTS 240-2)		1
6	N.137739/2		Bolt, 6-32 UNC		3
7	SP. 27-C		Washer, plain, 2 BA, (BSP)		3
			(Lucas Part No. NK.7058)		
8	SP. 90-C4		. Pin, split (BSP)		1
			(Lucas Part No. NK.7966)		
9	AGS. 1216-A		. Nut, union (BSP)		1
10	N.199716		Nipple, blanking	RF	
11	N.177392/4		'O' ring (sealing)		1
12	N.188173		Cup, filter		1
13	N.195636		Disc, filter		1
14	N.188174/1		Washer, filter		1
15	N.197956		Pipe assembly (fuel from H.P. filter to sprayer manifolds, Chap.2-2, fig.3, items 18 and 19)		1
16	S.D.V. 102		Valve assembly, shut-off cock and dump (see fig.7, item 1) (Pre-Mod.LM3166)	RF	
16A	S.D.V. 106		Valve assembly, shut-off cock and dump (see fig. 7, item 1) CR202 (Mod.LM3166)	RF	

+Item not illustrated

COMPONENTS OF FUEL SYSTEM

Fig. & Index	Part No.	Nomenclature	Usage Code	Units per Assy
		123456		
6- 1	P.G. 100	Pump and top speed governor, fuel (part of Lucas PGC. 104 fuel system; see Chap. 2-4, fig. 1 and 2 for details)		1
		Attaching parts		
2	N. 137741/40	Bolt, 10-32 UNF		2
3	SP. 27-C	Washer, plain, 2 BA, (BSP) (Lucas Part No. NK. 7058)		2
4	N. 194328/2	Gasket		1
5	N. 202049	Plug		1
6	N. 204733	'O' ring, (sealing)		1
7	N. 197623	Plate, blanking		1
8	NU. 1502	Bolt, 10-32 UNF		2
9	SP. 42-C	Washer, tab, (BSP) (Lucas Part No. NK. 7401)		2
10	N. 204642/1	'O' ring, (sealing)		1
11	A. P. G. 100	Governor, APU, (part of Lucas PGC. 104 fuel system; see Chap. 2-4, fig. 1 and 7 for details)		1
		Attaching parts		
12	N. 137741/32	Bolt, 10-32 UNF		2
13	SP. 27-C	Washer, plain, 2 BA (BSP) (Lucas Part No. NK. 7058)		2
14	N. 194329/2	Gasket		
15	S. V. 109	Valve, idle solenoid, (see Chap. 2-4, fig. 15 and 16 for details)		1
16	S. V. 108	Valve, APU solenoid, (see Chap. 2-4, fig. 13 and 14 for details)		1
		Attaching parts (for items 15 and 16)		
17	N. 137741/36	Bolt, 10-32 UNF		1
18	SP. 27-C	Washer, plain, 2 BA, (BSP) (Lucas Part No. NK. 7058)		2
19	N. 137741/37	Bolt, 10-32 UNF		
20	N. 199840	Clip assembly, 'P', (see fig. 1, item 7)	RF	
21	I. V. 100	Valve, idling control, (see Chap. 2-4, fig. 11 and 12 for details)		1

DETAILED PARTS LIST

COMPONENTS OF FUEL SYSTEM

Fig. & Index	Part No.	Nomenclature	Usage Code	Units per Assy
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contd.

6 -		Attaching parts		
22	A. 104- $\frac{1}{2}$ D	Bolt, 10-32 UNF, (BSP) (Lucas Part No. NU. 1506)		2
23	SP. 27-C	Washer, plain, 2 BA, (BSP) (Lucas Part No. NK. 7058)		2
24	CR. 201	Starter, gas turbine (see fig. 1, item 3, Chap. 1-0)		RF

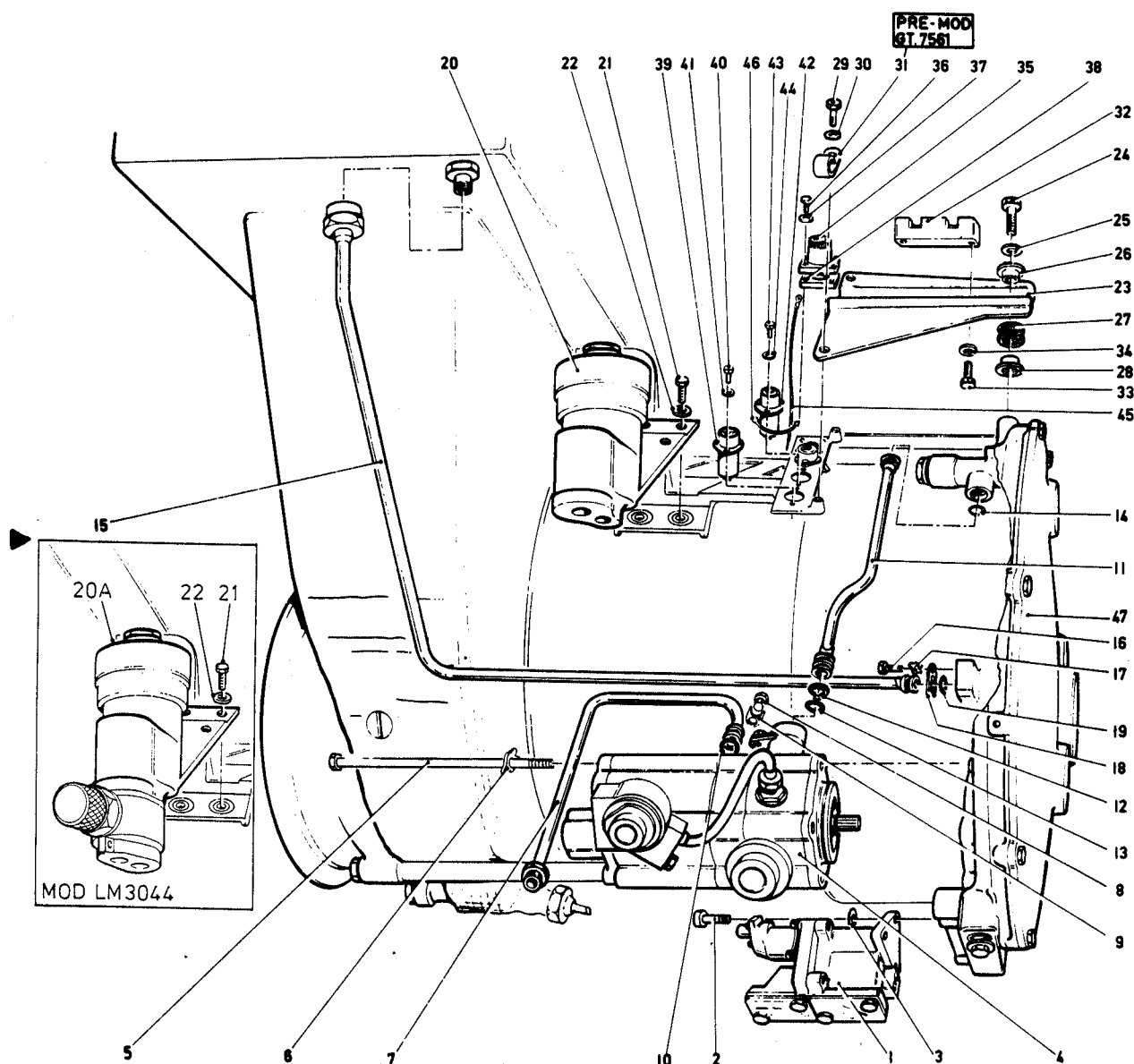


Fig. 7 Accessories of fuel and oil systems

DETAILED PARTS LIST COMPONENTS OF FUEL AND OIL SYSTEMS

Fig. / Index No.	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy
7- 1	SDV. 102		Valve assembly, shut-off cock and dump valve (see Chap. 2-4, fig. 17 and 18 for details) (Pre-Mod.LM3166)		1
1A	SDV. 106		Valve assembly, shut-off cock and dump valve (see Chap.2-4, fig. 17 and 18 for details) CR202 (Mod.LM3166)		1
			ATTACHING PARTS		
2	N.161338/1		Bolt, socket head,		3
3	SP. 27-C		Washer, plain, 2 BA,(BSP) (Lucas Part No. NK.7058)		3
4	N.197321/5		Pump assembly, oil, (see Chap.2-5, fig 1 for details)		1
			ATTACHING PARTS		
5	A.104-42D		Bolt, 10-32 UNF, (BSP) (Lucas Part No. NU.1548) (see Chap. 2-5, fig. 1, item 2)		RF
6	SP. 42-C		Washer, tab, (BSP) (Lucas Part No. NK.7401), (see Chap.2-5, fig.1, item 3)		RF
7	N.199769		Pipe assembly, (from oil pump brake delivery to union with brake oil feeding pipe, fig.3, item 54)		1
			ATTACHING PARTS		
8	NU.1402		Bolt, 8-32 UNF (see Chap.2-5, fig.1, item 47)		RF
9	N.197346		Plate keep (see Chap. 2-5, fig. 1, item 48)		RF
10	N.177392/20		'O' ring, (sealing)		1
11	N.196172		Pipe assembly, (from oil pump delivery to oil pressure filter)		1
			ATTACHING PARTS		
12	N.184894/2		Circlip		1
13	N.177392/19		'O' ring, (sealing)		1
14	N.177392/19		'O' ring, (sealing)		1
15	N.199554		Pipe assembly, (exhaust duct rain tray to air intake duct)		1
			ATTACHING PARTS		
16	NU.1401		Bolt, 8-32 UNC		1
17	N.199466		Washer, tab		1
18	N.196945		Plate, keeper		1
19	N.177392/20		'O' ring, (sealing)		1

+Item not illustrated

COMPONENTS OF FUEL AND OIL SYSTEMS

Fig. & Index	Part No.	Nomenclature	Usage Code	Units per Assy
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contd.

7- 42	N. 199650	Indicator, elapsed time, (DC-3261)	(K4243)	1
		Attaching parts		
43	N. 137738/2	Bolt, 4-40 UNC		2
44	SP. 27-A	Washer, plain, 6 BA, (Lucas Part No. NK. 7054)	(BSP)	2
45	N. 182282/181	Lead, (red)		AR
	N. 182282/187	Lead, (brown)		AR
	N. 182282/241	Lead, (red/blue)		AR
	N. 182282/256	Lead, (black/white)		AR
46	N. 186454/1	Tie, cable		3
47	CR. 201	Starter, gas turbine (see fig. 1, item 3, Chap. 1-0)		RF