

GROUP
B
COOLANT SYSTEM

COOLANT SYSTEM

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LIST OF ILLUSTRATIONS

(NOTE:- THE TEXT DOES NOT NECESSARILY INCLUDE ALL THE ITEMS REFERENCE)

	Plate
COOLANT PUMP	B3
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RADIATOR AND FITTINGS	B1

Item No.	Catalogue Number	Item Name	Item Description	No. Off	Plate Ref.	Drawing No.	Remarks
1		RADIATOR AND FITTINGS -					
2	LV9ASC/2930-99-815-7693	RADIATOR, ENGINE COOLANT		1	1-4	FV59086	
3	NP	RADIATOR		1	1-3	FV11300	
4	LV6MT1/2930-99-800-7916	VALVE ASSEMBLY, RADIATOR		1	2	FV494851	
5	X3/2815-99-200-3872	GASKET	pressure valve	1	3	AC/1571548	} Valve flange
6	Z2/5310-99-941-7070	NUT, PLAIN, HEXAGON	BA, steel, Cd plated, no. 2	6			
7	G1/5310-99-941-6653	WASHER, LOCK	steel, single coil, sq section, Cd plated, 3/16 in.				
8	LV6MT1/11456	FELT	rot-proofed, extra hard, 3/8 in.	6			
9	LV9ASC/2930-99-815-7656	BRACKET, RADIATOR SUPPORT		as req	4		
10	LV6MT1/902LB	FELT	rot-proofed, extra hard, 1/4 in.	2	5-6	FV50344	
11	LV9ASC/5330-99-815-7093	GASKET		as req	6		
12	G1/5305-99-941-9712	SCREW, MACHINE	radiator support cracket	2		FV51989	
13	G1/5310-99-120-2521	WASHER, LOCK	UNC, steel, hex hd, zinc coated, 3/8 in. x 3/4 in.	4			} Radiator support bracket
14	LV9ASC/2930-99-815-7657	BRACKET, RADIATOR MOUNTING	steel, int, flat, zinc coated, 3/8 in.	4			
15	LV9ASC/2930-99-815-7669	BRACKET, RADIATOR MOUNTING	lh	1	7	FV50347	
16	G1/5305-99-941-0698	SCREW, MACHINE	rh	1	7	FV51580	
17	G1/GA19171	WASHER, LOCK	UNC, steel, hex hd, zinc coated, 5/16 in. x 3/4 in.	4			} Hinge bracket to fan cowl
18	LV9ASC/5306-99-815-7658	EYEBOLT	steel, int, flat, zinc coated, 5/16 in.	4			
19	LV9ASC/2930-99-815-7659	PIN, STRAIGHT, HEADED	radiator mounting	2	8	FV50348	
20	G1/5315-99-942-0378	PIN, COTTER, SPLIT	steel, phosphated, 1/16 in. x 3/4 in.	2	9	FV50349	} Hinge bracket
21	LV9ASC/2930-99-815-7660	SPRING, RADIATOR MOUNTING		2	10	FV50350	
22	G1/5310-99-941-8386	WASHER, FLAT	steel, zinc coated, 5/16 in.	2	11		} Spring retaining
23	G1/5310-99-941-3525	NUT, SELF-LOCKING, HEXAGON	nylon insert, zinc coated, 5/16 in.	2	12		
24	LV9ASC/2930-99-815-7682	RADIATOR PIPE	w/filler cap, top	1	13-15	FV55532	
25	LV9AD/2930-99-811-5864	CAP, FILLER	radiator	1	14	FV52627	
26	G1/GA 15082	CHAIN	brass, solid link, no. 4	as req	15		
27	G1/GA 14230	RING, SPLIT	steel, 3/4 in. dia	2			
28	LV9ASC/2930-99-815-7685	PIPE ASSEMBLY, WATER	bottom	1	16	FV58066	} Fitted up to vehicle No. 33 BAC1
29	LV9ASC/FV58426	PIPE, RADIATOR		1	16		
30	LV6MT6/4720-99-942-7731	HOSE, RUBBER	1-1/4 in. id x 1-5/8 in. od, engine coolant	as req	17		} Brown and yellow stripes
31	LV6MT1/4730-99-942-9610	CLAMP, HOSE	steel, Cd plated, 1-1/2 in. to 2 in.	8	18		
32	LV6MT6/4720-99-942-7727	HOSE, RUBBER	3/4 in. id x 1-1/8 in. od, engine coolant	as req	19	FV50361	} Yellow and brown stripes
33	LV6MT1/4730-99-801-1056	CLAMP, HOSE	steel, Cd plated, 7/8 in. to 1-1/2 in.	2	20		
34	LV6MT1/88504	PLUG	BSP.F, steel, hex hd, 1/4 in.	1	21		
35	LV9ASC/5330-99-815-6327	GASKET	copper, 0.518 in. id	1	22	FV51890	} Plug
36	LV9ASC/2805-99-815-7694	PIPE ASSEMBLY, DRAIN, ENGINE		1	23	FV59115	
37	G2/GB16256	TUBING	steel, seamless, 1/2 in. od x 45 in. lg x 20 SWG	as req			
38	LV6MT1/4730-99-801-1482	NUT, UNION, PIPE	BSP.F, 1/2 in.	2			} Engine drain pipe
39	LV6MT1/37397	NIPPLE	union pipe, single coned, 1/2 in. id	2			
40	LV6MT1/37366	BODY	union pipe, double ended, BSP.F, 1/2 in.	1	24		
41	LV9ASC/5330-99-815-6328	GASKET	copper, 0.825 in. id	1	25	FV51892	} Overflow pipe
42	LV9ASC/2930-99-815-7667	PIPE ASSEMBLY, OVERFLOW		1	25	FV51156	
43	G1/5310-99-941-0897	NUT, PLAIN, HEXAGON	UNF, steel, lock, zinc coated, 5/8 in.	1			
44	G1/GA19175	WASHER, LOCK	steel, int, flat, zinc coated, 5/8 in.	1			

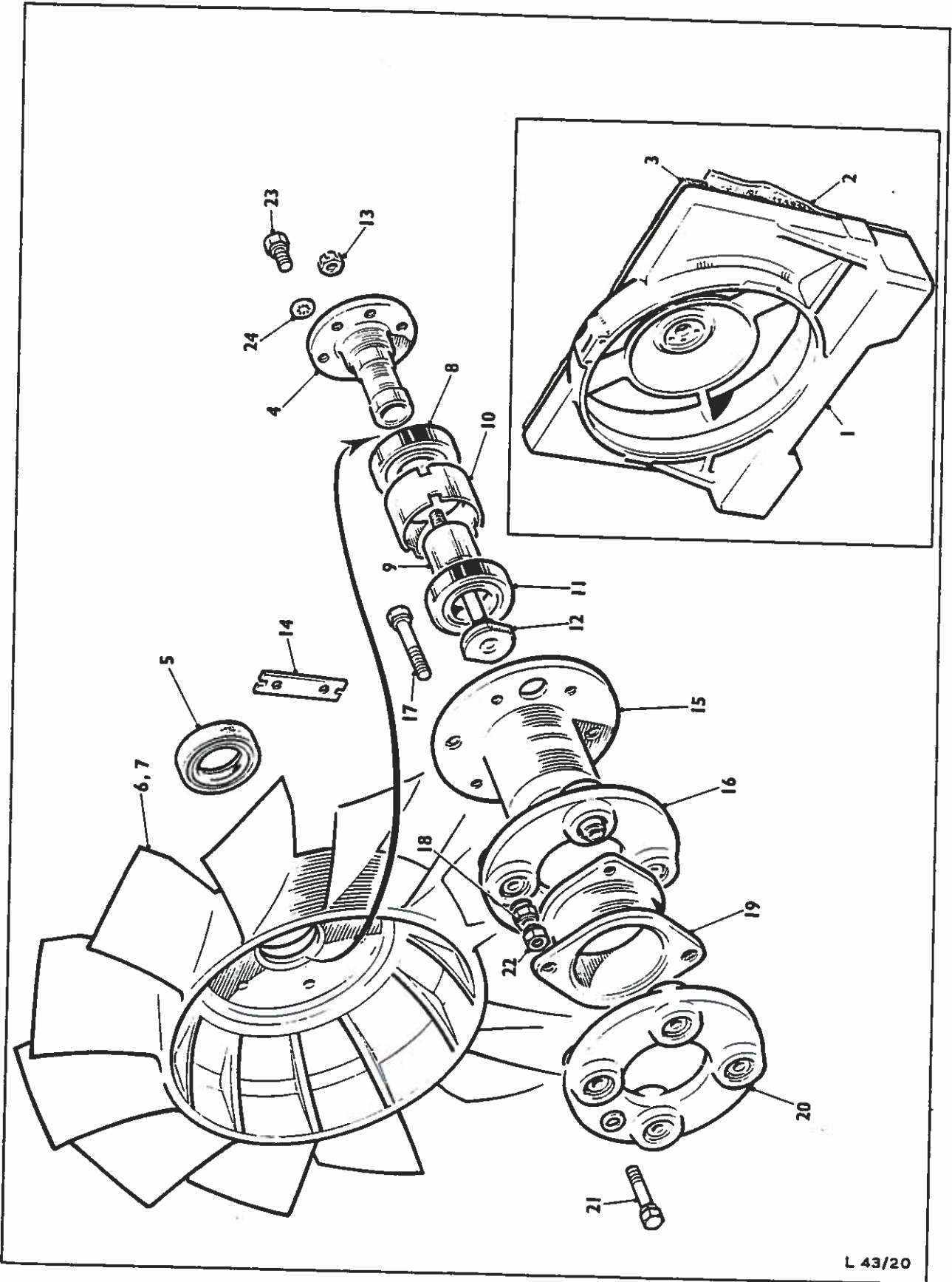
Item No.	Catalogue Number	Item Name	Item Description	No. Off	Plate Ref.	Drawing No.	Remarks
1		RADIATOR AND FITTINGS - Contd					
2	LV6MT6/4720-99-805-7811	HOSE	coolant, 5/16 in. id	as req	27		} Overflow pipe
3	LV6MT1/4730-99-942-9463	CLAMP, HOSE	steel, Cd plated, 5/8 in. to 7/8 in.	4	28		
4	LV6MT1/30594	TUBING	steel, 5/16 in. od x 31 in. lg	as req	29		
5	LV9ASC/5340-99-815-8203	CLAMP, LOOP	steel, overflow pipe	1	30	FV51490	
6		FAN AND COWL					} Fan cowl bracket
7	NP						
8	LV9ASC/2930-99-815-7650	COWL AND FELT ASSEMBLY, FAN		1	1-24	FV59353	}
9	LV6MT1/21526	FELT	rot-proofed, extra hard, 3/16 in.	1	1-3	FV9606	
10	LV6MT1/90247	FELT	rot-proofed, extra hard, 1/8 in.	as req	2		
11	LV9ASC/2930-99-815-7671	SHAFT, FAN		as req	3		}
12	LV6MT1/GOMIS17	SEAL	oil, 1-7/16 in. id x 2-1/4 in. od x 3/8 in.	1	4	FV55088	
13	LV9ASC/2930-99-815-7695	FAN, ENGINE COOLING		1	5		} Fan and fan shaft
14	LV6MT7/3110-99-950-0192	BEARING, PARALLEL ROLLER, JOURNAL	single row, 30 mm id x 62 mm od x 16 mm w	1	6-7	FV59232	
15	LV9ASC/2930-99-815-7651	SPACER, FAN BEARING	small	1	8		}
16	LV9ASC/2930-99-815-7652	SPACER, FAN BEARING	large	1	9	FV50182	
17	LV6MT7/3110-99-950-0246	BEARING, PARALLEL ROLLER, JOURNAL	single row, 30 mm id x 62 mm od x 16 mm w	1	10	FV50183	
18	LV9ASC/5306-99-815-7666	BOLT, SHOULDER	UNF, steel, phosphated, 3/8 in. x 4-1/4 in.	1	11		}
19	G1/5310-99-941-1254	NUT, SLOTTED, HEXAGON	UNF, steel, Cd plated, 3/8 in.	1	12	FV51118	
20	G1/5315-99-942-0379	PIN, COTTER, SPLIT	steel, phosphated, 1/16 in. x 5/8 in.	1	13		} Retaining bolt
21	LV9ASC/2930-99-815-7653	WASHER, TAB	two holes	1	14	FV50186	
22	G1/5305-99-941-0524	SCREW, MACHINE	UNF, steel, hex hd, zinc coated, 5/16 in. x 5/8 in.	2	14		} Fan hub
23	LV9ASC/2930-99-815-7672	HUB, FAN		4	15	FV55090	
24	LV9ASC/2930-99-815-7675	COUPLING, SHAFT, FLEXIBLE		1	16	FV55095	}
25	G1/5305-99-941-0301	BOLT, MACHINE	UNF, steel, hex hd, zinc coated, 5/16 in. x 2 in.	2	17		
26	G1/5310-99-941-3525	NUT, SELF-LOCKING, HEXAGON	UNF, nylon insert, zinc coated, 5/16 in.	2	17		} Fan to coupling
27	LV9ASC/2930-99-815-7673	COUPLING ASSEMBLY		2	18		
28	G1/5305-99-941-0300	BOLT, MACHINE	UNF, steel, hex hd, zinc coated, 5/16 in. x 1-3/4 in.	1	19	FV55091	}
29	G1/5310-99-941-8386	WASHER, FLAT	steel, zinc coated, 5/16 in.	2	19		
30	G1/5310-99-941-3525	NUT, SELF-LOCKING, HEXAGON	UNF, nylon insert, zinc coated, 5/16 in.	6	19		} Flexible coupling
31	LV9ASC/2930-99-815-7675	COUPLING, SHAFT, FLEXIBLE		2	20	FV55095	
32	G1/5305-99-941-0300	BOLT, MACHINE	UNF, steel, hex hd, zinc coated, 5/16 in. x 1-3/4 in.	1	20		}
33	G1/5310-99-941-8386	NUT, SELF-LOCKING, HEXAGON	UNF, nylon insert, zinc coated, 5/16 in.	2	21		
34	G1/5305-99-941-0524	SCREW, MACHINE	UNF, steel, hex hd, zinc coated, 5/16 in. x 5/8 in.	2	22		}
35	G1/GA 19171	WASHER, LOCK	steel, int, flat, zinc coated, 5/16 in.	6	23		
36				6	24		} Shaft to cowl
37				6	24		
38	LV9ASC/2930-99-815-7674	FAN COWL FITTINGS -					}
39	G1/5305-99-941-0297	FLANGE, COUPLING, WATER PUMP BOLT, MACHINE	UNF, steel, hex hd, zinc coated, 5/16 in. x 1-1/4 in.	1	31	FV55094	
40	G1/5310-99-941-3525	NUT, SELF-LOCKING, HEXAGON	UNF, steel, nylon insert, zinc coated, 5/16 in.	2	31		} Water pump flange to fan coupling
41	G1/5310-99-941-8386	WASHER, FLAT	steel, zinc coated, 5/16 in.	2	31		
42	G1/5305-99-941-0715	SCREW, MACHINE	UNC, steel, hex hd, zinc coated, 3/8 in. x 1-1/8 in.	2	31		}
43	G1/5310-99-120-2521	WASHER, LOCK	steel, int, flat, zinc coated, 3/8 in.	6	31		
44	LV9ASC/FV58179	PLATE, ANGLE	side shield, lh	1	32		} Fan cowl to oil tank
45	LV9ASC/2930-99-815-7686	PLATE, ANGLE	side shield, rh	1	33	FV58177	
46	LV9ASC/2930-99-815-6453	SHIELD AND FELT ASSEMBLY, FAN COWL	lh	1	35-36	FV58691	

Item No.	Catalogue Number	Item Name	Item Description	No. Off	Plate Ref.	Drawing No.	Remarks
1		FAN COWL FITTINGS - Contd				B1	
2	LV9ASC/2930-99-815-6453	SHIELD AND FELT ASSEMBLY, FAN COWL - Contd					
3	LV6MT1/9024B	FELT	rot-proofed, extra hard, 1/4 in.	as req	36		
4	LV9ASC/2930-99-815-6455	SHIELD AND FELT ASSEMBLY, FAN COWL,					
5	LV6MT1/9024B	FELT	rh rot-proofed, extra hard, 1/4 in.	1	36-37	FV58694	
6	G1/5305-99-941-0698	SCREW, MACHINE	UNC, steel, hex hd, zinc coated, 5/16 in. x 3/4 in.	as req	37		
7	G1/GA19171	WASHER, LOCK	steel, 5/16 in.	4			Angle to cowl
8	G1/5305-99-941-0510	SCREW, MACHINE	UNF, steel, hex hd, zinc coated, 1/4 in. x 3/8 in.	4			Shield to angle
9	G1/5310-99-943-8479	WASHER, LOCK	steel, int, flat, zinc coated, 1/4 in.	6			
10	G1/5310-99-941-0924	NUT, PLAIN, HEXAGON	UNF, steel, zinc coated, 1/4 in.	6			
11	LV6MT6/4720-99-942-7727	HOSE, RUBBER	3/4 in. id x 1-1/8 in. od	6			
12	LV9ASC/2930-99-815-8204	SECURING STRIP	rubber hose	as req	38		
13	G1/5310-99-943-8479	WASHER, LOCK	steel, int, flat, zinc coated, 1/4 in.	1	39	FV50944	Radiator baffle
14	G1/5310-99-941-0913	NUT, PLAIN, HEXAGON	UNF, steel, zinc coated, 1/4 in.	4			
15	LV9ASC/5340-99-815-7654	BRACKET, ANGLE	radiator stay anchor	4	40		
16	G1/5305-99-941-0697	SCREW, MACHINE	UNC, steel, hex hd, zinc coated, 5/16 in. x 5/8 in.	1	41	FV50337	Bracket to cowl
17	G1/GA19171	WASHER, LOCK	steel, int, flat, zinc coated, 5/16 in.	2	42		
18	LV9ASC/2930-99-815-7680	STEADY, FAN, COWL		2	43	FV55402	
19	LV9ASC/5306-99-815-7655	EYEBOLT	adjusting, radiator steady	1	44	FV50340	
20	G1/5305-99-941-0523	SCREW, MACHINE	UNF, steel, hex hd, zinc coated, 5/16 in. x 1/2 in.	2	45		Radiator steady
21	G1/GA19171	WASHER, LOCK	steel, int, flat, zinc coated, 5/16 in.	2			
22	G1/5310-99-941-0892	NUT, PLAIN, HEXAGON	UNF, steel, lock, zinc coated, 5/16 in.	1	46		
23				1	83		
24	LV10/2930-99-865-4695	PUMP, CENTRIFUGAL	coolant	1	1-23	FV144506	
25	LV10/2930-99-865-4686	CASING CENTRIFUGAL PUMP	coolant	1	1	FV144562	
26	LV6MT1/5330-99-801-6390	SEAL, PLAIN, ENCASED	0.750 in. id x 1.375 in. od x 0.250 in. w	1	2		Rear
27	LV6MT7/3110-99-806-0626	BEARING, ROLLER, JOURNAL	single row, 22 mm x 40 mm x 12 mm	1	3		Less inner race bearing
28	LV6MT1/5340-99-910-8329	RING, RETAINING	steel, int, 40 mm	1	4		
29	LV10/2930-99-865-4696	SHAFT, SHOULDERED	rotor	1	5	FV144604	
30	LV6MT1/5330-99-801-6552	SEAL, PLAIN, ENCASED	1.250 in. id x 1.753 in. od x 0.250 in. w	1	6		Front
31	LV10/2930-99-865-4663	HOUSING, SEAL, ROTARY PUMP	front	1	7	FV142148	
32	LV6MT7/3110-99-950-0054	BEARING, BALL, JOURNAL	single row, 25 mm id x 52 mm od x 15 mm w, '00' fit	1	8		Front bearing
33	LV6MT1/5340-99-910-8242	RING, RETAINING	steel, ext, 25 mm	1	9		Front bearing
34	G1/5310-99-944-0548	WASHER, LOCK	steel, single coil, sq section Cd plated, 1/4 in.	1	10		Oil seal housing
35	LV10/5306-99-865-4562	BOLT, MACHINE	UNF, steel, hex hd, Cd plated, 1/4 in. x 1-1/8 in.	4			
36	LV10/5330-99-865-4690	RING, SEALING, TOROIDAL	synthetic rubber, 0.875 in. id	4	11	RR/UA2553/2	
37	LV10/2930-99-865-4689	RING, WEARING	stationary seal	1	12	FV144575	Cover
38	LV10/2930-99-865-4688	RETAINER, OIL SEAL	rotary	1	13	FV144574	
39	LV10/5330-99-865-4691	RING, SEALING, TOROIDAL	synthetic rubber, 0.625 in. id	1	14	FV144573	
40	LV10/2930-99-865-4713	SPRING, HELICAL, COMPRESSION	pump seal	1	15	FV144576	Shaft
41	LV10/2930-99-865-4693	IMPELLER, CENTRIFUGAL PUMP		1	16	FV147354	
42	LV10/2930-99-865-4644	GASKET	plate to casing	1	17	FV144593	
43	LV10/2930-99-865-4670	PLATE, CENTRIFUGAL PUMP	backing	1	18	FV141653	
44	LV10/5306-99-865-4662	BOLT, MACHINE	UNF, steel, hex hd, Cd plated, 1/4 in. x 1.557 in.	1	19	FV142308	
45	G1/5310-99-944-0548	WASHER, LOCK	steel, single coil, sq section, Cd plated, 1/4 in.	4	20	FV142147	Backing plate
46	G1/5310-99-941-4136	NUT, PLAIN, HEXAGON	UNF, steel, Cd plated, 1/4 in.	4	21		
				4	22		

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Item No.	Catalogue Number	Item Name	Item Description	No. Off	Plate Ref.	Drawing No.	Remarks
1		PUMP, CENTRIFUGAL - Contd					
2	LV6MT1/4730-99-801-1229	LUBRICATING NIPPLE	BSP.F, hydraulic, straight, 1/8 in.	1	83		
3				1	23		
4	LV10/2910-99-865-4635	GASKET	water pump	1		FV141609	Coolant pump to cyl block studs
5	G1/5310-99-120-7357	WASHER, LOCK	steel, single coil, sq section, zinc coated, 5/16 in.	1			
6	G1/5310-99-941-0903	NUT, PLAIN, HEXAGON	UNF, steel, lock, zinc coated, 5/16 in.	1			Coolant pump to cyl block
7	G1/5306-99-941-6591	BOLT, MACHINE	UNF, steel, hex hd, zinc coated, 5/16 in. x 1-3/4 in.	3			
8	G1/5310-99-947-1263	WASHER, FLAT	steel, zinc coated, 5/16 in.	3			RR/KB1077
9	LV10/5310-99-865-1475	WASHER, FLAT	Al, 5/16 in.	3			
10	LV10/2930-99-865-4650	PULLEY, GROOVE	coolant pump	1		FV141663	Pulley cover plate
11	LV10/2930-99-865-4649	COVER PLATE, ACCESS	pulley, front	1		FV141661	
12	G1/5310-99-120-7357	WASHER, LOCK	steel, single coil, sq section, zinc coated, 5/16 in.	4			Pulley cover plate
13	G1/5305-99-941-6546	SCREW, MACHINE	UNF, steel, hex hd, zinc coated, 5/16 in. x 3/4 in.	4			
14	LV10/5305-99-865-1541	SCREW, MACHINE	BA, steel, csk hd, no. 2 x 1/2 in.	4		RR/K2804/Z	Pulley to shaft
15	LV10/3030-99-865-4962	BELTS, V, ENDLESS, MATCHED SET	driving	1		FV141503	Pump inlet
16	LV6MT1/4730-99-801-7934	PLUG, SCREWED	BSP.F, brass, 1/2 in. Al, 0.830 in.	1		RR/RB1098	
17	LV10/5310-99-865-1493	WASHER, FLAT	hotspot to pump	1		FV142184	Hotspot elbow to casing
18	LV10/2805-99-865-4668	PIPE ASSEMBLY	hotspot elbow pipe	1		FV141202	
19	LV10/2930-99-865-4628	GASKET	steel, single coil, sq section, zinc coated, 1/4 in.	2			Coolant pipe to manifold
20	G1/5310-99-120-2166	WASHER, LOCK	UNF, steel, hex hd, zinc coated, 1/4 in. x 1-1/2 in.	2			
21	G1/5306-99-941-6582	BOLT, MACHINE	coolant pipe to induction manifold	1			Hotspot pipe elbow
22	LV10/FV141966	JOINT	UNF, steel, hex hd, zinc coated, 1/4 in. x 1 in.	2			
23	G1/5306-99-941-6580	BOLT, MACHINE	steel, zinc coated, 1/4 in.	2			RR/RB1078
24	G1/5310-99-941-8634	WASHER, FLAT	steel, single coil, sq section, zinc coated, 1/4 in.	2			
25	G1/5310-99-120-2165	WASHER, LOCK	UNF, steel, Cd plated, 1/4 in. x 1-3/4 in.	4		FV141889	Outlet facing
26	LV6MT1/28718	TAP, DRAIN	UNF, steel, Cd plated, 1/4 in. x 1-1/4 in.	2		RR/UA853/Z	
27	LV10/5310-99-865-1476	WASHER, FLAT	thermostat housing to cyl hd	1		FV141892	Thermostat housing to cyl hd
28	LV10/2930-99-865-2536	CASING ASSEMBLY, THERMOSTAT	steel, single coil, sq section, zinc coated, 1/4 in.	3			
29	LV10/5307-99-865-4557	STUD, PLAIN	UNF, steel, zinc coated, 1/4 in.	3			FV669056
30	LV10/5307-99-865-4556	STUD, PLAIN	78 deg C open locating oil pipe to thermostat	1		FV141409	
31	LV10/5330-99-865-2539	GASKET	thermostat	1		FV141410	Locating screw
32	G1/5310-99-120-2166	WASHER, LOCK	Al, 0.201 in.	1			
33	G1/5310-99-941-0924	NUT, PLAIN, HEXAGON	thermostat housing cover	1		FV141984	Housing cover
34	LV6MT1/6620-99-813-0240	THERMOSTAT, FLOW CONTROL	thermostat housing	1			
35	LV10/5305-99-865-2375	SCREW, SET	steel, single coil, sq section, zinc coated, 1/4 in.	4			Adaptor to cyl hd
36	LV10/5310-99-865-2376	WASHER, FLAT	UNF, steel, zinc coated, 1/4 in.	4			
37	LV10/5330-99-865-2579	GASKET	elbow, thermostat housing	1			FV141891
38	LV9ASC/FV 55598	COVER	steel, single coil, sq section, zinc coated, 1/4 in.	2			
39	G1/5310-99-120-2166	WASHER, LOCK	UNF, steel, zinc coated, 1/4 in.	2			
40	G1/5310-99-941-0924	NUT, PLAIN, HEXAGON					
41	LV10/FV 141957	JOINT					
42	LV10/4730-99-865-2538	ADAPTOR, ELBOW, PIPE TO HOSE					
43	G1/5310-99-120-2166	WASHER, LOCK					
44	G1/5310-99-941-0924	NUT, PLAIN, HEXAGON					

Item No.	Catalogue Number	Item Name	Item Description	No. Off	Plate Ref.	Drawing No.	Remarks
1	LV6NT6/4720-99-942-7728	HOSE, RUBBER	7/8 in. id x 1-1/4 in. od	as req			
2	LV6MT1/4730-99-801-1056	CLAMP, HOSE	steel, Cd plated, 7/8 in. to 1-1/2 in.	2			} Thermostat to pump
3	LV10/5330-99-865-4634	GASKET	hotspot pipe	1		FV141349	
4	G1/5310-99-120-2166	WASHER, LOCK	steel, single coil, sq section, zinc coated, 1/4 in.	2			
5	G1/5310-99-944-0924	NUT, FLAIN, HEXAGON	UNF, steel, zinc coated, 1/4 in.	2			} Hotspot pipe to cyl hd



COOLANT PUMP

B 3

