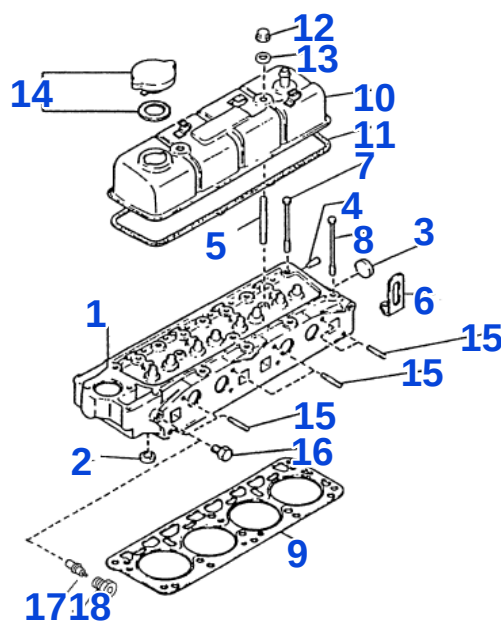


FIG. 101 CYLINDER HEAD AND ROCKER COVER



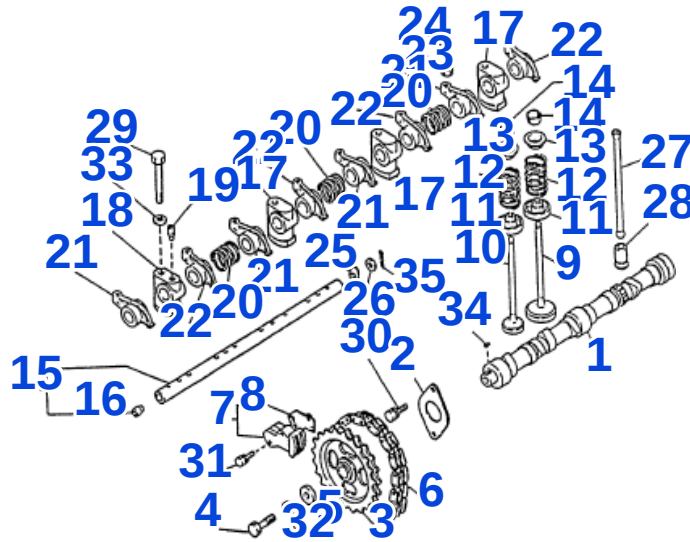
Reference: A-01

A-01 H-20 S/N S74070J~ - CYLINDER HEAD AND ROCKER COVER

Item	Part No.	Part Name	Qty	Options
1	11041-J0170	HEAD ASSY-CYLINDER	1	
2	11099-P0502	• SEAT-VLAVE, EXHAUST	4	
3	11021-E3000	• PLUG-WELCH	1	
4	11065-30000	PLUG-TAPER	4	
5	11063-Y4400	STUD-ROCKER COVER	2	
6	10006-32201	SLINGER-ENGINE, REAR	1	
7	11056-78200	BOLT-CYLINDER HEAD, SHORT	9	
8	11057-78200	BOLT-CYLINDER HEAD, LONG	1	
9	11044-79500	GASKET-CYLINDER HEAD	1	
10	13264-L1100	COVER ASSY-VALVE ROCKER	1	
11	13270-E3400	GASKET-ROCKER COVER	1	
12	13274-B1101	NUT	2	
13	13275-E0720	WASHER	2	
14	15255-85500	CAP ASSY-OIL FILLER	1	
15	NJ08223-83210	STUD	6	
16	NJ08931-30610	PLUG	1	
17	25080-89900	GAUGE ASSY-WATER TEMPERATURE	1	
18	25251-37700	NUT	1	

Reference: A-01

FIG. 111 CAMSHAFT AND VALVE MECHANISM



Reference: A-02

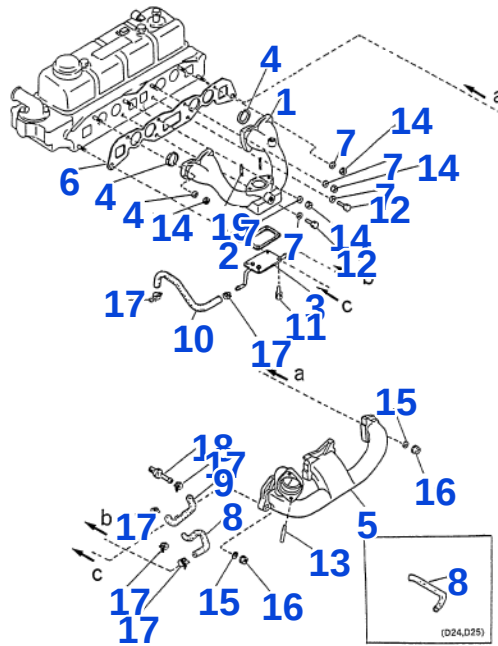
A-02 H-20 S/N S74070J~ - CAMSHAFT AND VALVE MECHANISM

Item	Part No.	Part Name	Qty	Options
1	13001-78200	CAMSHAFT	1	
2	13010-78201	PLATE-LOCATING, CAMSHAFT	1	
3	13024-78201	SPROCKET-CAMSHAFT	1	
4	13012-78200	BOLT-SPROCKET, CAMSHAFT	1	
5	13013-78200	WASHER-PLAIN	1	
6	13028-73600	CHAIN-CAMSHAFT	1	
7	13070-32200	TENSIONER ASSY-CHAIN	1	
8	13079-32200	• GASKET-CHAIN TENSIONER	1	
9	13201-P0500	VALVE-INTAKE	4	
10	13202-P5100	VALVE-EXHAUST	4	
11	13207-66700	SEAL-OIL, VALVE	8	
12	13203-32200	SPRING-VALVE, OUTER	8	
13	13209-08000	RETAINER-VALVE SPRING	8	
14	13210-B8501	COLLET-VALVE SPRING	16	
15	13252-32200	SHAFT-ROCKER	1	
16	13254-58000	• PLUG	2	
17	13222-78200	BRACKET-ROCKER SHAFT	3	
18	13223-78200	BRACKET-ROCKER SHAFT	1	
19	13226-78200	SCREW SET-ROCKER SHAFT	1	
20	13256-58000	SPRING-ROCKER	3	
21	13258-78201	ROCKER-VALVE	4	
22	13259-78201	ROCKER-VALVE	4	
23	13235-78200	NUT-LOCK, ROCKER PIVOT SCREW	8	
24	13234-78200	SCREW-ADJUST, VALVE ROCKER	8	
25	13255-58000	SPRING-ROCKER	2	
26	13289-58000	WASHER-ROCKER SHAFT	2	
27	13238-12200	ROD-PUSH	8	
28	13231-78201	LIFTER-VALVE	8	
29	13224-78200	BOLT-ROCKER SHAFT	4	
30	NJ08120-61662	BOLT	2	
31	NJ08120-63562	BOLT	2	
32	NJ08915-14010	WASHER	1	
33	NJ08915-44010	WASHER	4	
34	NJ00926-41610	KEY	1	

Item	Part No.	Part Name	Qty	Options
35	NJ00921-22500	PIN	2	

Reference: A-02

FIG. 131 MANIFOLD



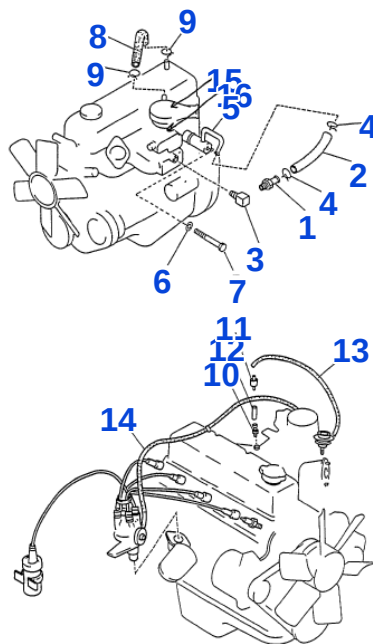
Reference: A-03

A-03 H-20 S/N S74070J~ - MANIFOLD

Item	Part No.	Part Name	Qty	Options
1	14003-00H00	MANIFOLD-INTAKE	1	
2	14053-L1100	GASKET	1	
3	14052-L1600	PLATE-WATER JACKET	1	
4	14034-14600	COLLAR-INTAKE MANIFOLD	2	
5	14004-L1101	MAINFOLD-EXHAUST	1	
6	14035-B8500	GASKET-MANIFOLD TO CYLINDER HEAD	1	
7	14037-32200	YOKE-MAINFOLD	6	
8	19131-K7900	HOSE-WATER	1	
9	19130-K9000	HOSE-WATER	1	
10	14055-L1101	HOSE-WATER	1	
11	NJ08120-61262	BOLT	4	
12	NJ08120-83510	BOLT	2	
13	NJ08223-83010	STUD	2	
14	NJ08911-20810	NUT	4	
15	NJ08915-53810	WASHER	2	
16	NJ08918-10810	NUT	2	
17	NJ08723-11600	CLAMP	6	
18	NJ14049-L1100	CONNECTOT-WATER HOSE	1	
19		NOT USED	-1	

Reference: A-03

FIG. 161 CRANK CASE VENTILATION



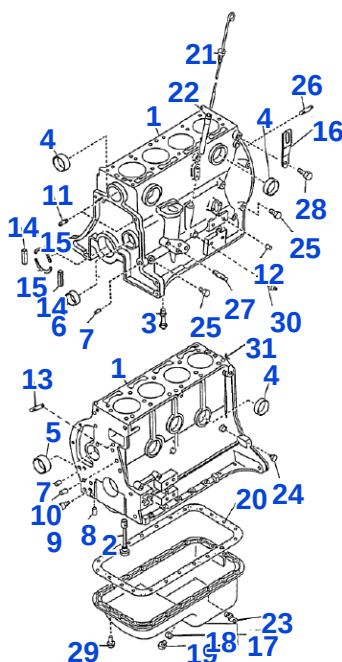
Reference: A-04

A-04 H-20 S/N S74070J~ - CRANK CASE VENTILATION

Item	Part No.	Part Name	Qty	Options
1	11810-A3501	VALVE ASSY-CONTROL	1	
2	11828-L1101	HOSE-PIPE CONNECTOR TO VALVE	1	
3	14008-L1400	CONNECTOR-PIPE	1	
4	16572-10801	CLAMP-HOSE	2	
5	15262-L1100	CONNECTOR-3 WAY	1	
6	11035-30000	WASHER	1	
7	NJ08190-80410	BOLT	1	
8	11826-00H01	HOSE-ROCKER COVER TO AIR CLEANER	1	
9	16572-10801	CLAMP-HOSE	2	
10	14875-A2600	CONNECTOR	1	
11	14958-K7800	VALVE ASSY-VACUUM DELAY	1	
12	NJ02187-20401	HOSE-VACUUM	1	
13	NJ02187-13501	HOSE-VACUUM	1	
14	NJ02187-47201	HOSE-VACUUM	1	
15	16207-00H01	AIR HORN	1	
16	16407-W4900	AIR HORN ADAPTOR (ROBBER)	1	

Reference: A-04

FIG. 201 CYLINDER BLOCK AND OIL PAN

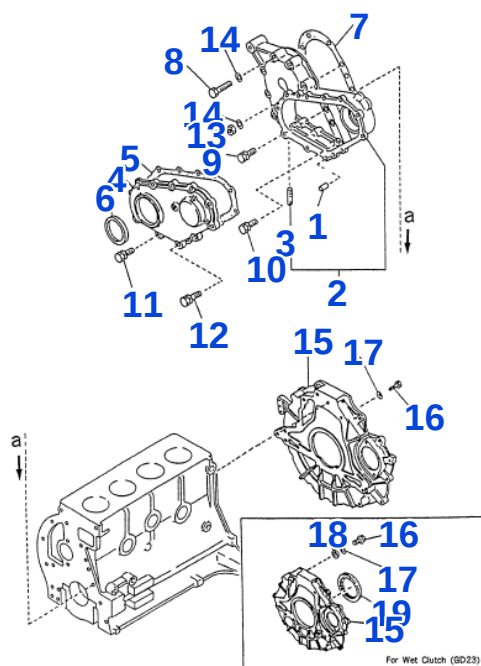


Reference: A-05

A-05 H-20 S/N S74070J~ - CYLINDER BLOCK AND OIL PAN

Item	Part No.	Part Name	Qty	Options
1	11010-Y4450	BLOCK ASSY-CYLINDER	1	
2	12293-P0500	• BOLT-MAIN BEARING CAP	10	
3	15042-20100	• BUSH-OIL PUMP DRIVE SPINDLE	1	
4	11021-E3000	• PLUG-WELCH	6	
5	13002-71200	• BUSH SET	1	
6	11019-32201	• PLUG-WELCH	1	
7	11024-K0100	• PLUG-TAPER, MAIN GALLERY	2	
8	11024-78200	• PLUG-TAPER, OIL GALLERY	1	
9	13081-78200	• JET-OIL, TIMING CHAIN	1	
10	11046-73402	• DOWEL-BLOCK TO FRONT COVER	2	
11	30412-P5100	• DOWEL-BLOCK TO TRANSMISSION	2	
12	11023-78200	• PLUG-TAPER, OIL GALLERY	1	
13	21077-Y4400	STUD-WATER PUMP	2	
14	12289-14600	SEAT-OIL, REAR BEARING CAP SIDE	2	
15	12279-58000	SEAL-OIL, CRANKSHAFT REAR	1	
16	10004-14600	SLINGER-ENGINE FRONT	1	
17	11110-00H00	PAN ASSY-OIL	1	
18	11128-69200	• PLUG-DRAIN	1	
19	11026-61000	• WASHER-DRAIN PLUG	1	
20	11121-E0700	GASKET-OIL PAN	1	
21	15140-B1101	GAUGE-OIL LEVEL	1	
22	15146-12201	GUIDE-OIL LEVEL GAUGE	1	
23	14390-00H00	BRACKET-TUBE, FUEL RECEIVER	1	
24	NJ08931-30410	PLUG	1	
25	NJ08931-30210	PLUG	2	
26	NJ08213-85010	STUD	1	
27	NJ08227-03010	STUD	2	
28	NJ08121-01662	BOLT	1	
29	NJ08110-61262	BOLT	22	
30	25240-39910	SWITCH ASSY-OIL PRESSURE	1	
31	11044-S240	HEAD SLEEVE (TB3-018)	1	
	11010-H20	ENGINE, LONG BLOCK	1	
	10103-48220	SHORT BLOCK ASSY (S-SERIES)	1	
	A0101-L112E	GASKET SET (S-SERIES)	-1	

FIG. 205 BLOCK FITTING AND FRONT COVER



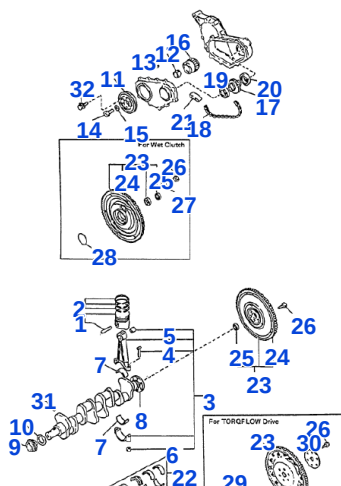
Reference: A-06

A-06 H-20 S/N S74070J~ - BLOCK FITTING AND FRONT COVER

Item	Part No.	Part Name	Qty	Options
1	11046-73402	DOWEL-WATER PUMP	2	
2	13033-00H01	CASE-FRONT COVER	1	
3	NJ08216-63010	• STUD	2	
4	13501-C0H01	COVER ASSY-FRONT	1	
5	13521-L1100	PACKING-FRONT COVER	1	
6	13042-L1401	SEAL-OIL, CRANKSHAFT FRONT	1	
7	13520-L1100	GASKET-CASE, FRONT COVER	1	
8	NJ08110-85510	BOLT	5	
9	NJ08110-82062	BOLT	2	
10	NJ08110-83062	BOLT	1	
11	NJ08120-62562	BOLT	4	
12	NJ08120-63562	BOLT	7	
13	NJ08911-10810	BOLT	1	
14	NJ08915-13810	WASHER	6	
15	12320-K9000	HOUSING-FLYWHEEL	1	
16	NJ08131-02810	BOLT	4	
17	NJ08915-24010	WASHER	4	
18	NOT USED		-1	
19	NOT USED		-1	

Reference: A-06

FIG. 231 PISTON CONNECTING ROD, CRANKSHAFT AND FLYWHEEL



Reference: A-07

A-07 H-20 S/N S74070J~ - PISTON, CONNECTING ROD, CRANKSHAFT AND FLYWHEEL

Item	Part No.	Part Name	Qty	Options
1	12010-79500	PISTON W/PIN	4	
2	12033-R9000	RING SET-PISTON	1	
3	12100-P5100	ROD COMPL-CONNECTING	4	
4	12109-E0711	• BOLT CONNECTING ROD	8	
5	12030-32200	• BUSH-PISTON PIN	4	
6	12113-78201	• NUT-CONNECTING ROD	8	
7	12111-P5112	BEARING-CONNECTING ROD (STD)	8	
	12117-P5112	BEARING-CONNECTING ROD (US=0.25)	8	
	12118-P5112	BEARING-CONNECTING ROD (US=0.50)	8	
	12119-P5112	BEARING-CONNECTING ROD (US=0.75)	8	
	12120-P5112	BEARING-CONNECTING ROD (US=1.00)	8	
	12121-P5100	BEARING-CONNECTING ROD (US=0.06)	8	
	12122-P5100	BEARING-CONNECTING ROD (US=0.12)	8	
	12123-P5100	BEARING-CONNECTING ROD (US=0.02)	8	
8	12200-78200	CRANKSHAFT ASSY	1	
9	13021-73601	SPROCKET-CRANKSHAFT	1	
10	12299-32200	SHIM-CRANK SPROCKET	-2	
11	12303-L1102	PULLEY-CRANKSHAFT	1	
12	12307-48201	WEDGE-CRANK PULLEY	1	
13	13022-48200	KEY-CRANKSHAFT	1	
14	12309-78200	BOLT-PULLEY, CRANKSHAFT	1	
15	12308-L1101	WASHER-PULLEY, CRANKSHAFT	1	
16	12351-L1102	SPROCKET-CHAIN, POWER TAKE OFF	1	
17	12353-K7800	SPROCKET-CHAIN, POWER TAKE OFF (23T)	1	
18	12352-00H00	CHAIN-POWER TAKE OFF	1	
19	12354-L6801	BEARING-SPROCKET	1	
20	32413-M3300	BEARING-SPROCKET	1	
21	13092-00H00	GUIDE-CHAIN, UPPER	1	
22	12207-E0702	BEARING SET-CRANKSHAFT (STD)	1	
	12208-E0702	BEARING SET-CRANKSHAFT (US=0.02)	1	
	12209-E0702	BEARING SET-CRANKSHAFT (US=0.25)	1	
	12210-E0702	BEARING SET-CRANKSHAFT (US=0.50)	1	
	12211-E0702	BEARING SET-CRANKSHAFT (US=0.75)	1	
	12212-E0702	BEARING SET-CRANKSHAFT (US=1.00)	1	
23	12331-L1003	PLATE ASSY-DRIVE AND GEAR (134T) (GD31)	1	
	12310-K9000	FLYWHEEL ASSY (GD32)	1	
24	12312-L1102	• GEAR-RING (GD32)	1	
25	32202-K9000	• BEARING-BALL (GD32)	1	
26	12315-78200	BOLT (GD32)	6	
	12315-00H00	BOLT (GD31)	6	
27	NOT USED		-1	
28	NOT USED		-1	
29	12335-L1000	PILOT-CONVERTER (GD31)	1	
30	12333-L1000	PLATE-CRANKSHAFT TO CONVERTER (GD31)	1	
31	00926-51600	KEY	1	
32	NJ08120-62062	BOLT	6	

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