



SPARE PARTS CATALOGUE

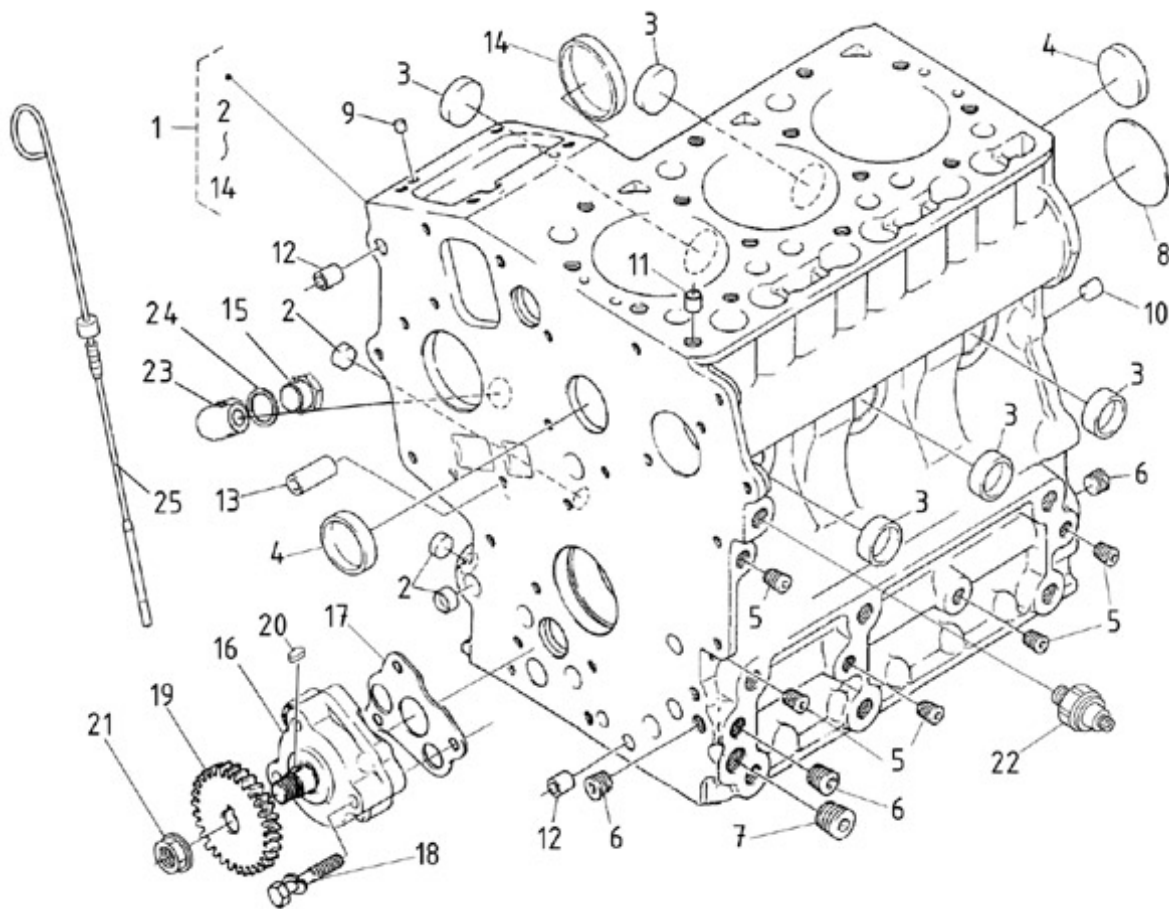
(version du 07-09-2022)

N3.21 STANDARD ENGINE



Model : N3.21 STANDARD ENGINE

Subassembly : ENGINE BLOCK

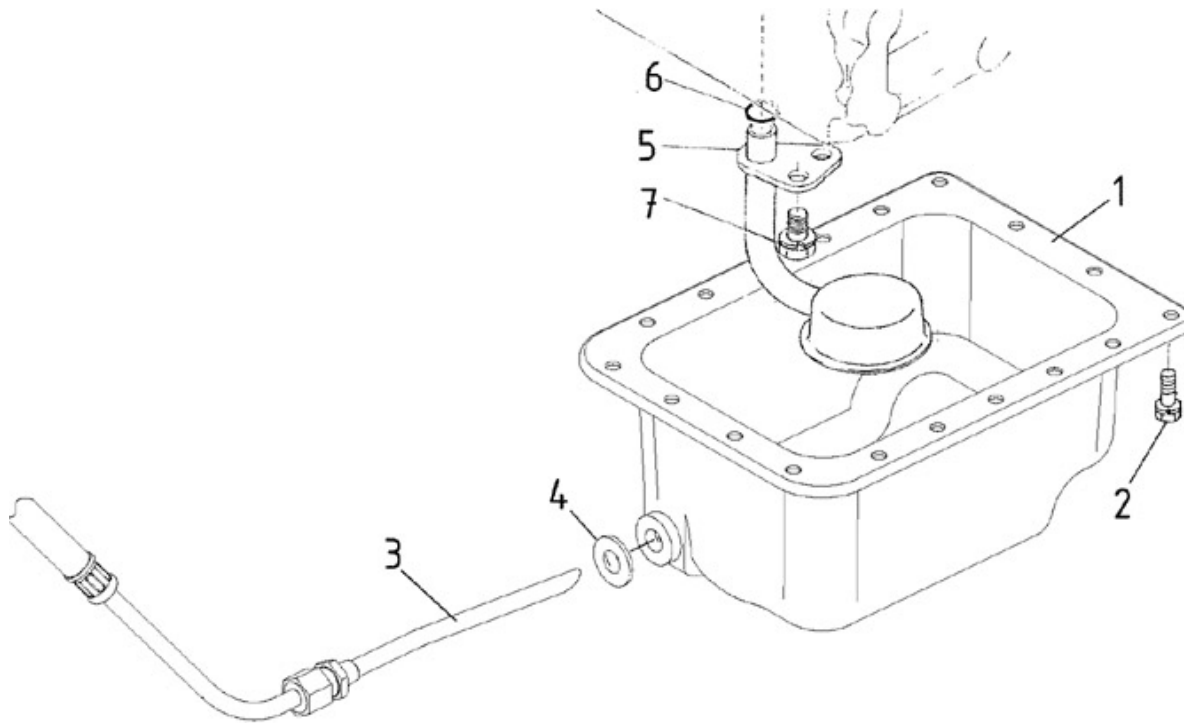


Part number	Item	Description	Quantity
970314260	1	COMP.CRANKCASE	1
970314253	3	CAP,SEALING	5
970140104	4	CAP, FREEZE	2
970140908	5	PLUG, CYL.HEAD 2.40	5
970490108	6	PLUG,SOCK	3
970490109	7	PLUG,SOCK	1
970307457	8	PLUG,EXPANSION	1
970140109	9	PIN, CYLINDRICAL	2
970490111	10	PIN,CYLINDRICAL	2
970490112	11	PIN,PIPE	1
970490113	12	PIN,PIPE	2
970140108	13	PIN, PIPE	2
970307458	14	COVER,CYL.HEAD	1
970632522	15	""PLUG,HEX 1/4""G""	1
970143114	16	PUMP,OIL CPL.	1
970143115	17	GASKET,OIL PUMP	1
970143116	18	BOLT	3
970143117	19	GEAR,OIL PUMP DRIVE 2. 40	1
970143118	20	KEY,FEATHER	1
970307460	21	NUT,FLANGE	1
970851700	22	SWITCH,OIL	1
970307267	23	ELBOW	1
970307197	24	GASKET	1
970307462	25	GAUGE,OIL	1



Model : N3.21 STANDARD ENGINE

Subassembly : OIL SUMP - OIL PUMP

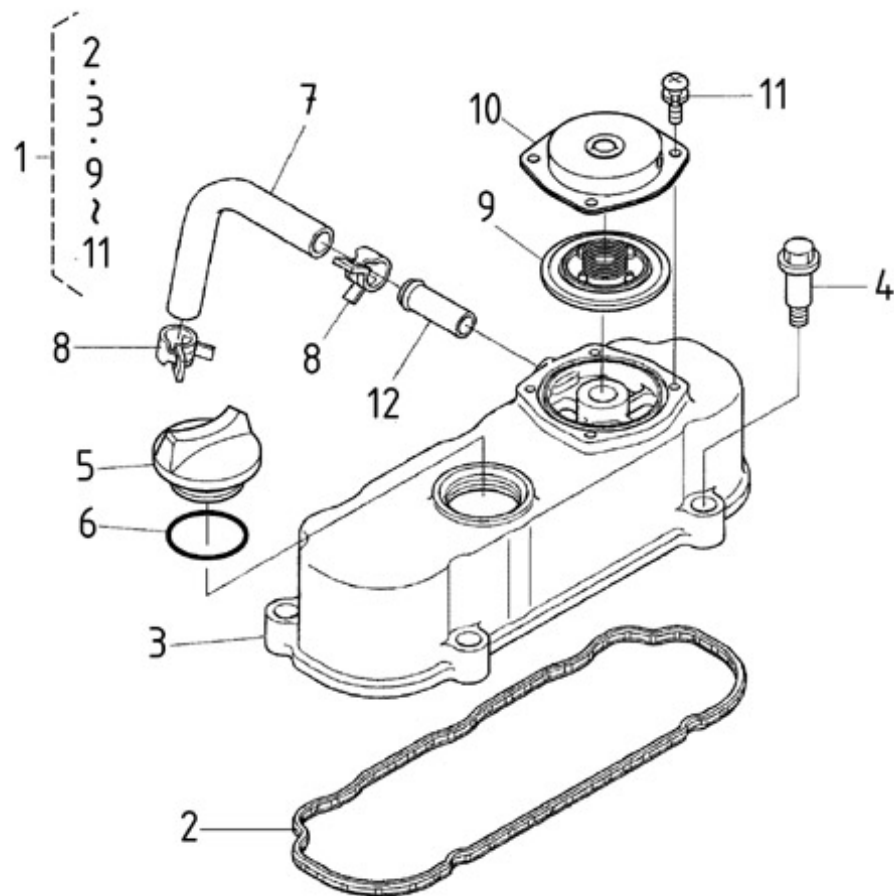


Part number	Item	Description	Quantity
970307972	1	PAN,OIL	1
970310351	2	BOLT	18
970313197	3	DRAIN OIL PIPE	1
970300325	4	RING,SEAL D12	1
970307463	5	FILTER 1,OIL	1
970301951	6	O-RING	1
970313311	7	BOLT	1



Model : N3.21 STANDARD ENGINE

Subassembly : CYLINDER HEAD COVER

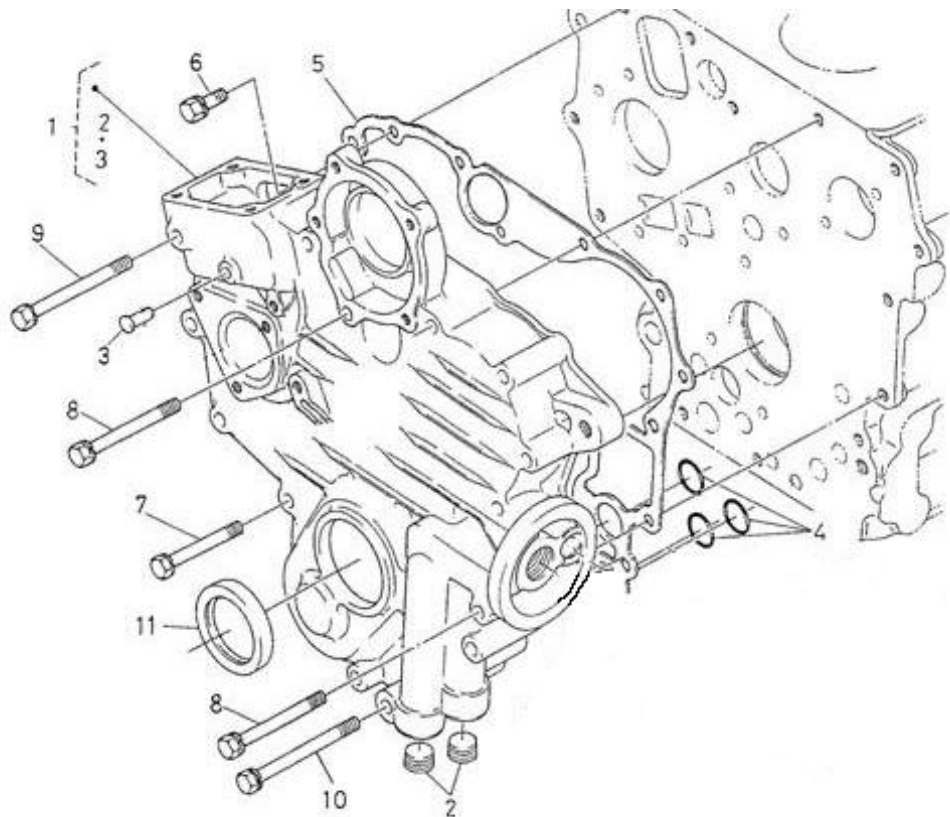


Part number	Item	Description	Quantity
970314279	1	ASSY COVER,CYL.HEAD	1
970313220	2	GASKET,HEAD COVER	1
970314280	3	COVER,CYL.HEAD	1
970312975	4	BOLT	4
970313464	5	PLUG	1
970313804	6	O RING	1
970313487	7	TUBE,BREATHER	1
970313507	8	CLAMP,HOSE	2
970313503	9	COMP.VALVE,BREATHER	1
970313451	10	COVER,BREATHER	1
970490307	11	SCREW,M 5X 10	4
970307629	12	PIPE,WATER RETURN	1



Model : N3.21 STANDARD ENGINE

Subassembly : TIMING GEAR CASE

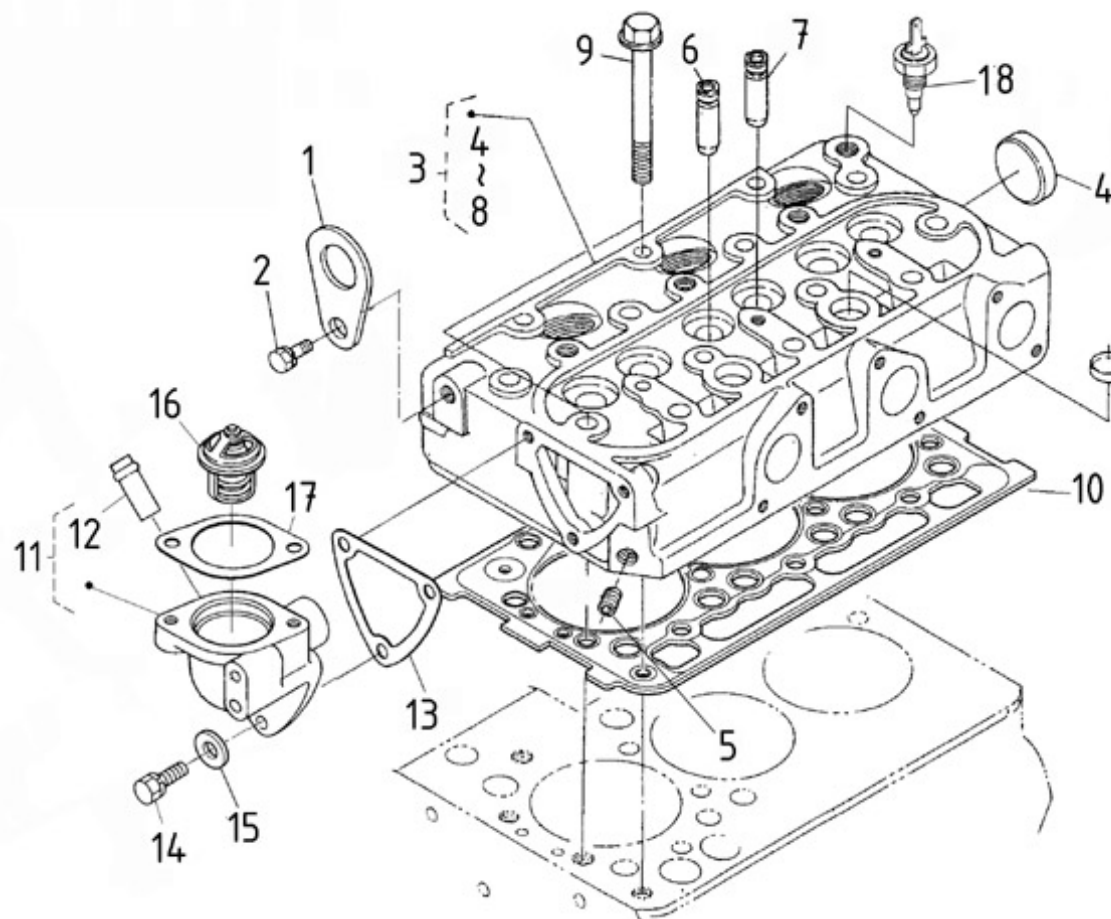


Part number	Item	Description	Quantity
970307619	1	COMP CASE,GEAR	1
970490109	2	PLUG,SOCK	2
970140204	3	PIN, TIMING COVER 2.40	1
970313349	4	O RING	3
970140205	5	GASKET, TIMING CASE 2.40	1
970315047	5	GASKET,GEAR CASE NA	1
970490119	6	BOLT,M 6X 18	1
970302737	7	BOLT,M 6X 50	10
970140208	8	BOLT	3
970307621	9	BOLT	1
970307622	10	BOLT	1
970307623	11	SEAL,OIL	1



Model : N3.21 STANDARD ENGINE

Subassembly : CYLINDER HEAD

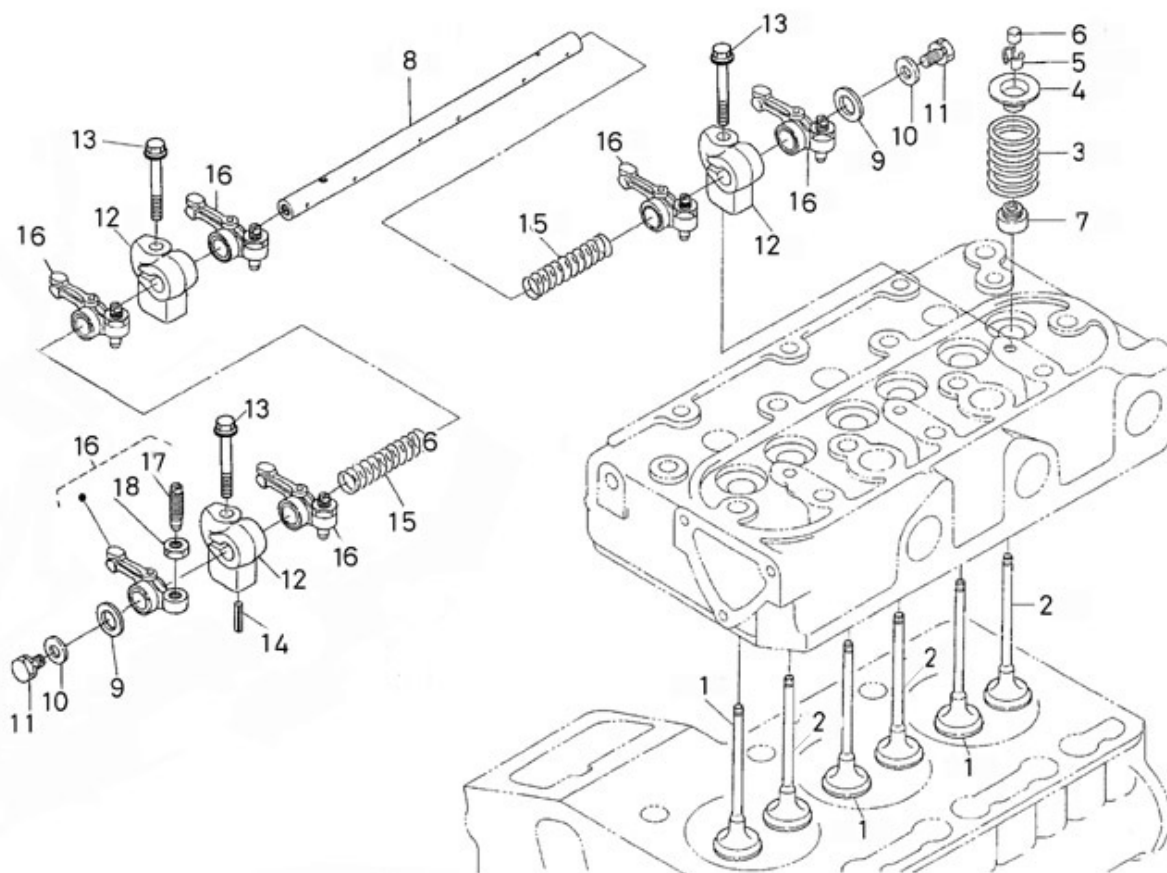


Part number	Item	Description	Quantity
970490901	1	HOOK,ENGINE 2.60-3.90-4.110	1
970490919	2	BOLT,M 8X 16	1
970313483	3	COMP.CYLINDER HEAD	1
970315054	3	COMP.CYLINDER HEAD	1
970140904	4	CAP, FREEZE	1
970140908	5	PLUG, CYL.HEAD 2.40	1
970140922	6	GUIDE, VALVE INTAKE 2.40HE	3
970140923	7	GUIDE, VALVE EXHAUST 2.40	3
970302722	8	CAP,FREEZE	2
970140912	9	BOLT, CYL.HEAD 2.40	14
970314259	10	GASKET,CYLINDER HEAD	1
970313818	11	COMP.FLANGE,WATER	1
970307629	12	PIPE,WATER RETURN	1
970313376	13	GASKET,WATER FLANGE	1
970491117	14	BOLT,M 6X 16	2
970151309	15	WASHER,PLAIN D 6	2
970310244	16	ASSY THERMOSTAT	1
970314251	17	GASKET,THERMOSTAT	1
970304054	18	TEMPERATURE SWITCH 1/8 1P 97	1



Model : N3.21 STANDARD ENGINE

Subassembly : VALVES AND SPRINGS

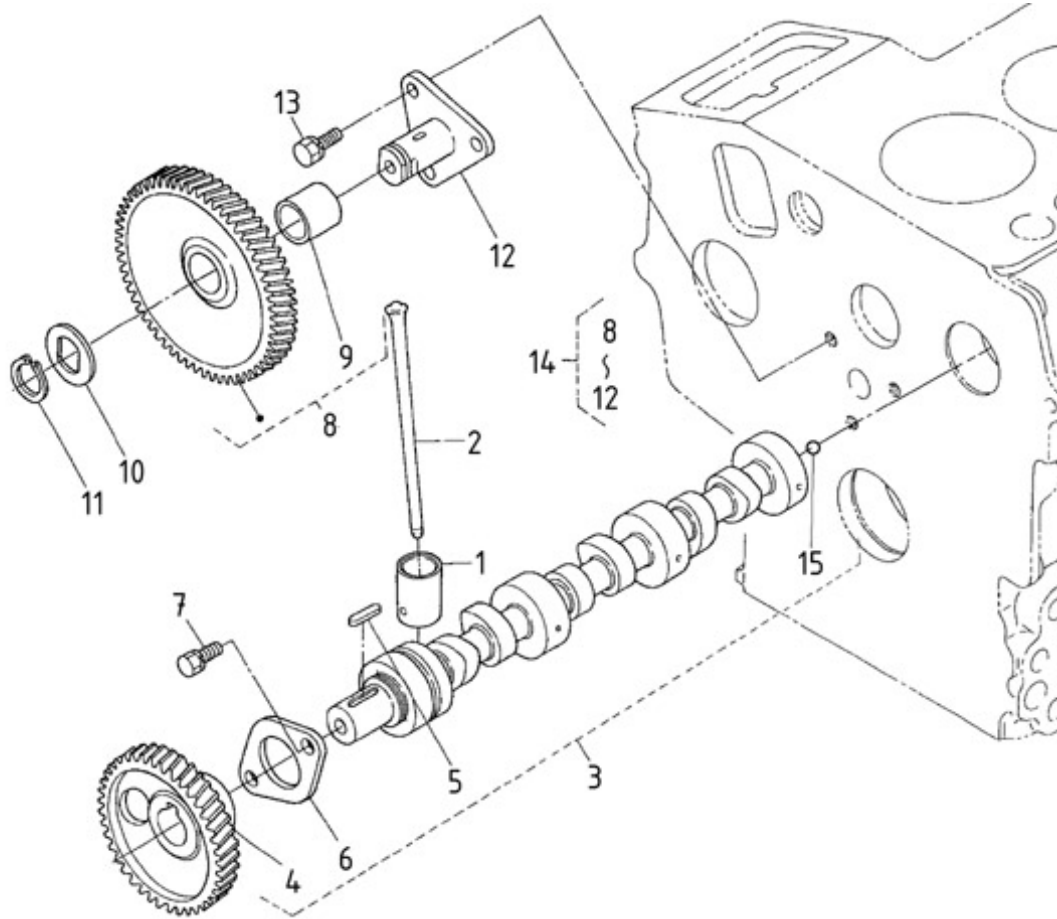


Part number	Item	Description	Quantity
970313910	1	VALVE,INLET	3
970313911	2	VALVE,EXHAUST	3
970141003	3	SPRING, VALVE 2.40	6
970141004	4	RETAINER, VALVE SPRING	6
970141005	5	COLLAR, VALVE SPRING 2.40	6
970141007	6	CAP, VALVE	6
970307541	7	SEAL,VALVE STEM	6
970314195	8	SHAFT,ROCKER ARM	1
970141009	9	SPRING, ROCKER ARM 2.40	2
970313377	10	WASHER,PLAIN	2
970141015	11	BOLT, M6X10	2
970313456	12	BRACKET,ROCKER ARM	3
970313346	13	BOLT,FLANGE	3
970313808	15	SPRING	2
970141019	16	ASSY, ROCKER ARM 2.40HE	6
970141022	17	SCREW, ADJ.ROCKER ARM	6
970141023	18	NUT, ROCKER ARM 2.40	6



Model : N3.21 STANDARD ENGINE

Subassembly : CAMSHAFT

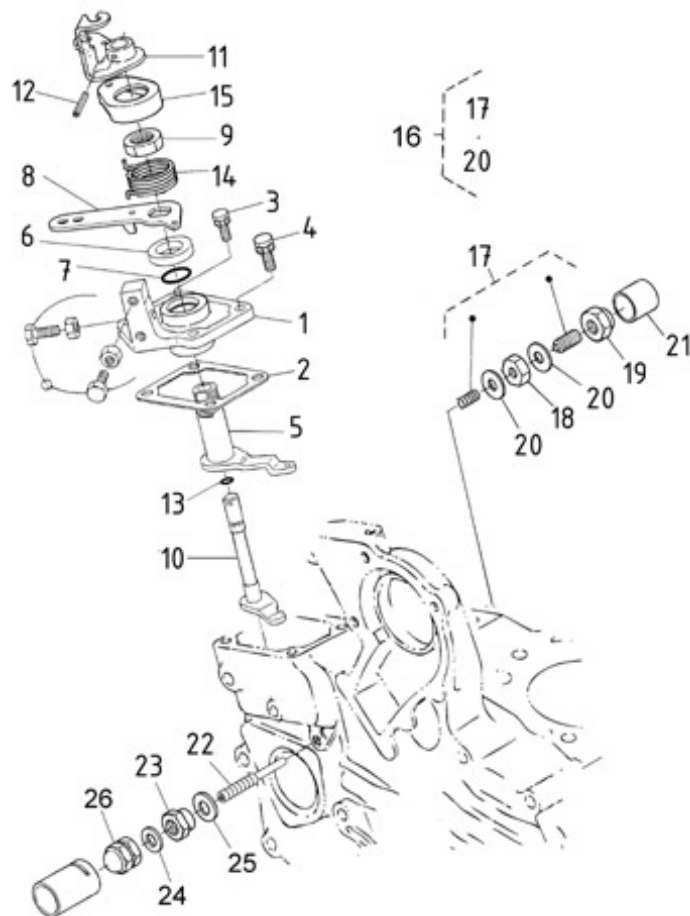


Part number	Item	Description	Quantity
970141101	1	TAPPET, CAMSHAFT 2.40	6
970307548	2	PUSH ROD	6
970314258	3	ASSY CAMSHAFT	1
970141105	4	GEAR, CAMSHAFT 2.40	1
970141106	5	KEY, FEATHER CAMSHAFT 2.40-4.1	1
970141107	6	STOPPER, CAMSHAFT	1
970140123	7	BOLT ,M 6X12	2
970307542	8	COMP.GEAR,IDLE	1
970314198	9	BUSH	1
970307544	10	COLLAR,IDLE GEAR	1
970307545	11	RING,SNAP	1
970307546	12	SHAFT,IDLE GEAR	1
970310351	13	BOLT	3
970141112	14	BUSH, IDLE GEAR	1
970302897	15	BEARING,BALL	1



Model : N3.21 STANDARD ENGINE

Subassembly : ACCELERATOR

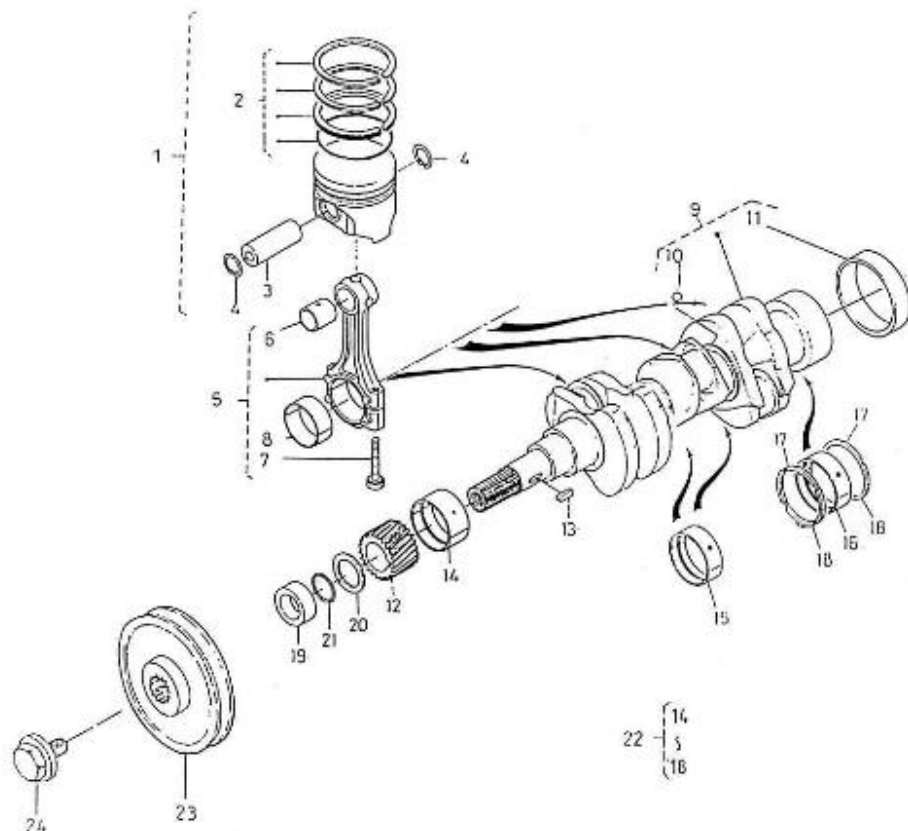


Part number	Item	Description	Quantity
970313375	1	PLATE,SPEED CONTROL	1
970141311	2	GASKET, SPEED CONTROL 2.40	1
970490119	3	BOLT,M 6X 18	2
970313904	4	BOLT	2
970313374	5	LEVER,GOVERNOR	1
970313436	6	COLLAR	1
970313802	7	O RING	1
970313447	8	LEVER,SPEED CONTROL	1
970313426	9	NUT,SPEED CONTROL	1
970313431	10	SHAFT,LEVER	1
970313893	11	LEVER,ENGINE STOP	1
970313352	12	PIN,SPRING	1
970313665	13	O RING	1
970313905	14	SPRING,RETURN	1
970313425	15	CAP	1
970307613	16	ASSY APPARATUS	1
970307614	17	ASSY BOLT,ADJUSTING	1
970491129	18	NUT	1
970141130	19	NUT, IDLE ASSEM.	1
970491131	20	WASHER,SEAL	2
970141132	21	CAP, BOLT COVER	1
970140401	22	SCREW, REGULATOR	1
970310962	23	NUT	1
970150403	24	RING,SEAL	1
970313440	25	GASKET	1
970140404	26	NUT	1



Model : N3.21 STANDARD ENGINE

Subassembly : CRANKSHAFT-PISTONS

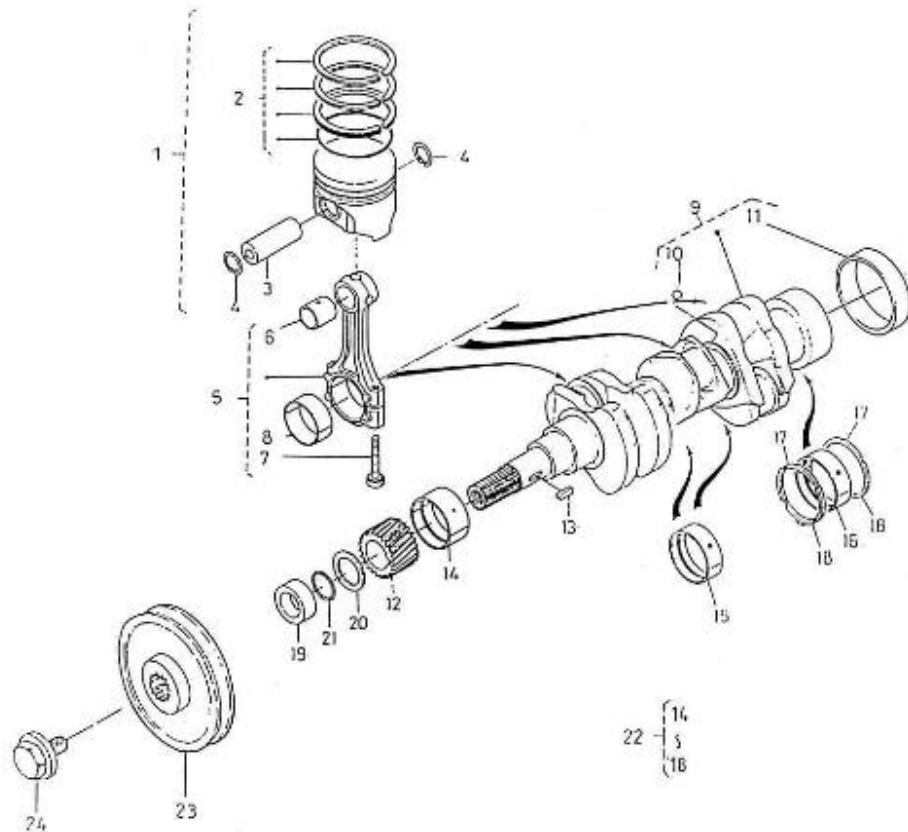


Part number	Item	Description	Quantity
970307553	1	PISTON	3
970307554	1	PISTON + 0.25 MM	3
970307555	2	SET,PISTON RING	3
970307556	2	ASSY RING,PISTON +0.25	3
970307557	3	PIN,PISTON	3
970491504	4	CIR-CLIP	6
970307558	5	ASSY ROD,CONNECTING	3
970307559	6	BUSH,PISTON PIN	3
970141513	7	BOLT, CONN.ROD 2.40	6
970141514	8	METAL, CONN.ROD STD.	3
970307562	8	METAL,CRANK PIN 04	3
970314255	9	COMP.CRANKSHAFT	1
970307564	10	BALL	3
970151513	11	SLEEVE,CRANKSHAFT	1
970141520	12	GEAR, CRANKSHAFT 2.40	1
970491106	13	KEY,FEATHER	1
970141525	14	METAL, CRANKSHAFT 1 STD 2.40	1
970141556	14	METAL, CRANKSHAFT 1 0.04	1
970307571	15	METAL,CRANK SHAFT	2
970307572	15	METAL,CRANK SHAFT	2
970307573	15	METAL,CRANKSHAFT3 04	2
970491526	16	METAL,CRANKSHAFT 2 STD	1
970491547	16	METAL,CRANKSHAFT 2 0.20	1
970491557	16	METAL,CRANKSHAFT 2 0.40	1
970491527	17	METAL,SIDE 1 STD	2
970491548	17	METAL,SIDE 1 0.02	2
970491558	17	METAL,SIDE 1 0.04	2
970313811	18	METAL,SIDE +0.40mm	2
970491528	18	METAL,SIDE 2 STD	2
970491549	18	METAL,SIDE 2 0.02	2
970141523	19	COLLAR, CRANKSHAFT 2.40	1
970141522	20	RING, CRANKSHAFT 2.40	1
970313803	21	O RING	1
970314257	22	ASSY CRANKSHAFT	1



Model : N3.21 STANDARD ENGINE

Subassembly : CRANKSHAFT-PISTONS

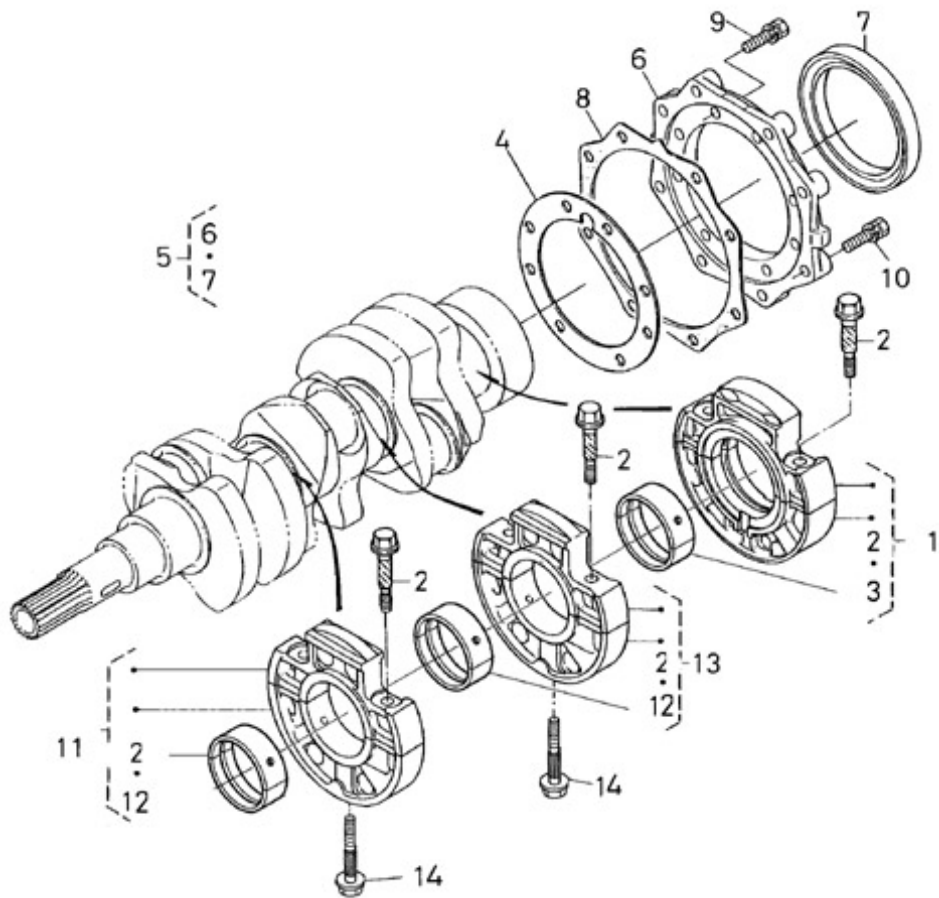


Part number	Item	Description	Quantity
970313430	23	PULLEY,FAN DRIVE	1
970141517	24	BOLT, CRANKSHAFT PULLY	1



Model : N3.21 STANDARD ENGINE

Subassembly : CRANKSHAFT-BEARINGS

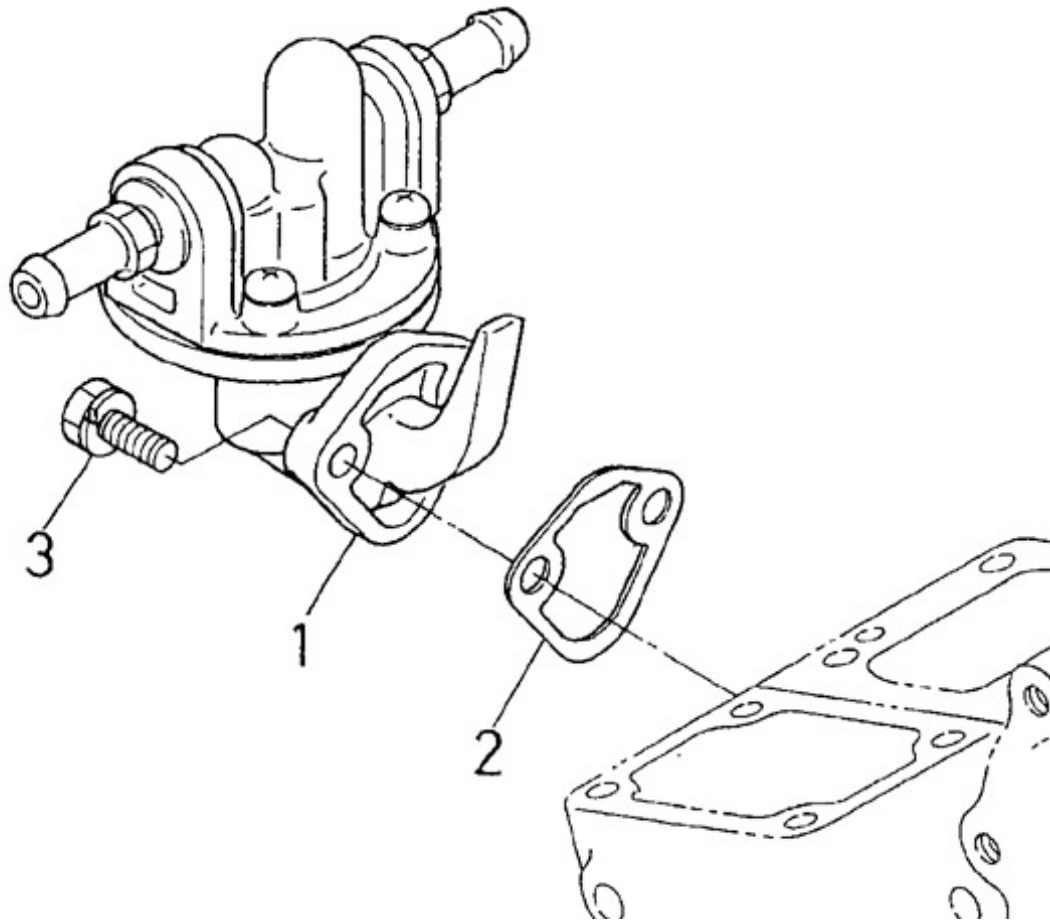


Part number	Item	Description	Quantity
970307466	1	ASSY CASE,MAIN BRG	1
970141533	2	BOLT, BEARING CASE	6
970491526	3	METAL,CRANKSHAFT 2 STD	1
970141506	4	GASKET, BEARING CASE 2.40	1
970313812	5	ASSY COVER,BRG.CASE	1
970141535	6	COVER, BEARING CASE 2.40	1
970141529	7	SEAL, OIL	1
970315607	7	SEAL, OIL	1
970141508	8	GASKET, BEARING CASE COVER 2.4	1
970491536	9	BOLT,M 6X 20	8
970141537	10	BOLT, M6X22	8
970313882	11	ASSY BRG.CASE,MAIN	1
970307571	12	METAL,CRANK SHAFT	2
970314248	13	ASSY BRG.CASE,MAIN	1
970141539	14	BOLT, BEARING CASE N02	2



Model : N3.21 STANDARD ENGINE

Subassembly : FEED PUMP

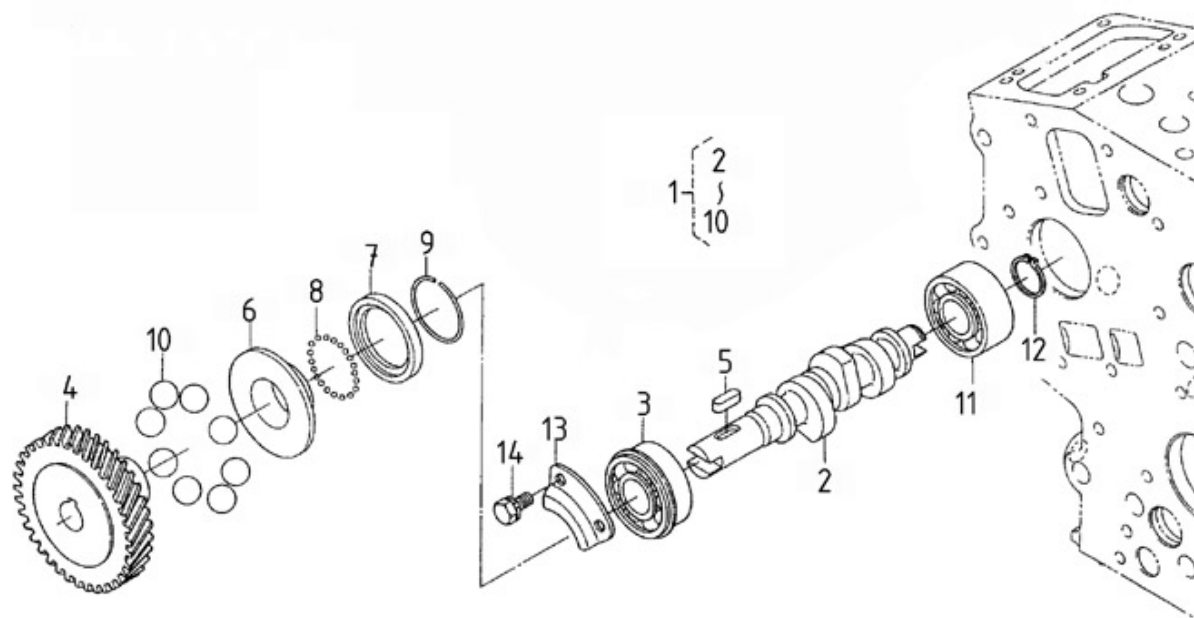


Part number	Item	Description	Quantity
970142501	1	PUMP,FUEL FEED 2. 40	1
970142512	2	GASKET,FUEL PUMP 2. 40	1
970491117	3	BOLT,M 6X 16	2



Model : N3.21 STANDARD ENGINE

Subassembly : CAMSHAFT INJECTION PUMP

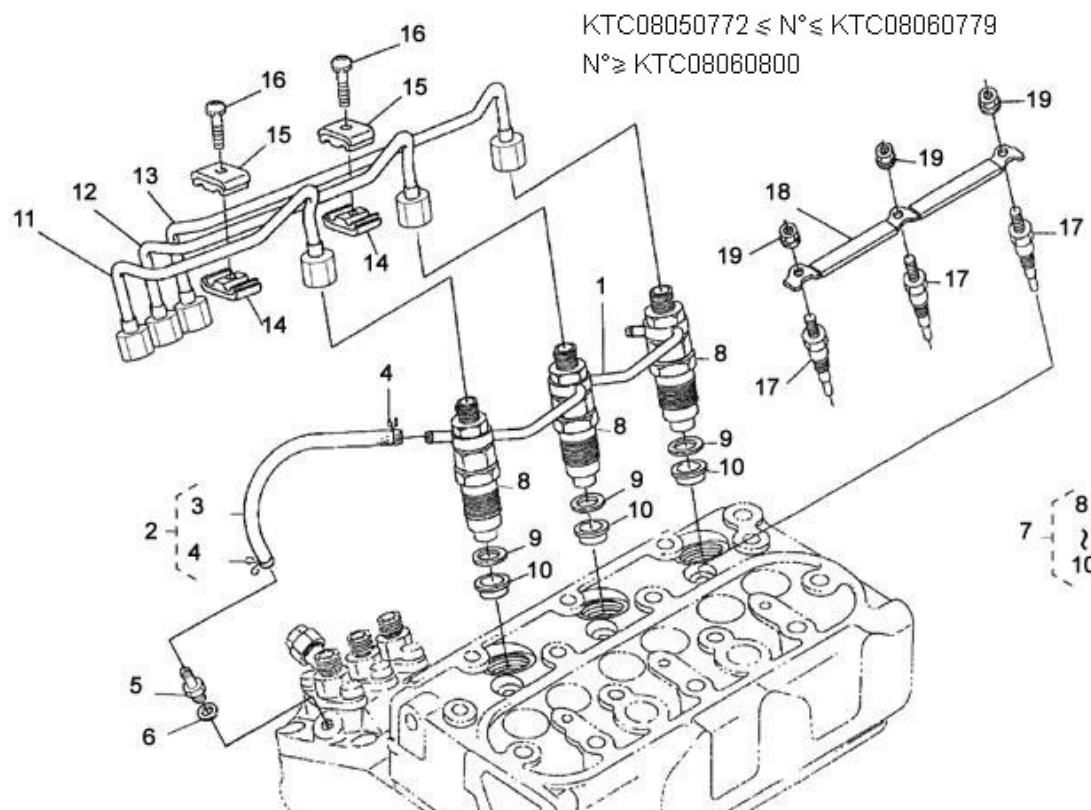


Part number	Item	Description	Quantity
970307863	1	ASSY CAM SHAFT,FUEL	1
970314197	2	CAMSHAFT,FUEL	1
970142124	3	BEARING,CASE	1
970307602	4	GEAR,INJECTION PUMP	1
970491106	5	KEY,FEATHER	1
970142127	6	SLEEVE	1
970142129	7	COVER,BEARING 2. 40HE	1
970142130	8	BEARING,BALL CAMSHAFT 2.40HE	32
970492128	9	CIR-CLIP,GOVERNOR SLEEVE	1
970492132	10	BEARING,BALL GOVERNOR	8
970313429	11	BEARING,BALL	1
970142133	12	CIR-CLIP,EXTERNAL	1
970142136	13	STOPPER,FUEL CAMSHAFT 2.40	1
970140123	14	BOLT ,M 6X12	2



Model : N3.21 STANDARD ENGINE

Subassembly : INJECTION NOZZLES AND PIPES



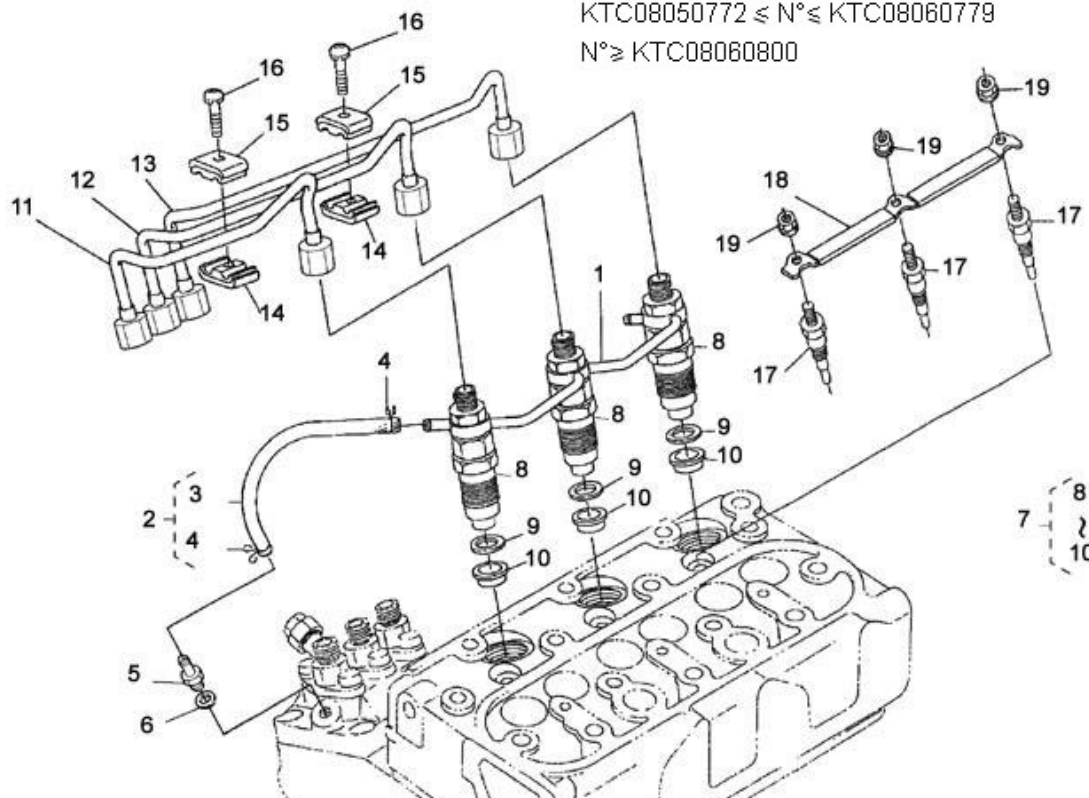
Part number	Item	Description	Quantity
970314196	1	ASSY PIPE,OVER FLOW	1
970142103	2	PIPE, FUEL OVERFLOW N02 CPL	1
970313475	2	PIPE,FUEL OVER FLOW	1
970313475	3	PIPE,FUEL OVER FLOW	1
970492305	3	CLAMP,HOSE	2
970142104	4	NOZZLE, FUEL OVERFLOW LINE	1
970492305	4	CLAMP,HOSE	2
970142104	5	NOZZLE, FUEL OVERFLOW LINE	1
970150403	5	RING,SEAL	1
970150403	6	RING,SEAL	1
970313383	6	KIT HOLDER,NOZZLE	3
970307587	7	ASSY HOLDER,NOZZLE	3
970313383	7	KIT HOLDER,NOZZLE	3
970142109	8	GASKET, RING INJECTORS	3
970307587	8	ASSY HOLDER,NOZZLE	3
970142109	9	GASKET, RING INJECTORS	3
970307388	9	SEAL,HEAT	3
970307388	10	SEAL,HEAT	3
970307589	10	PIPE,INJECTION	1
970307589	11	PIPE,INJECTION	1
970313892	11	PIPE,INJECTION	1
970313892	12	PIPE,INJECTION	1
970314256	12	PIPE,INJECTION	1
970142114	13	CLAMP,FUEL LINES 1+2	2
970314256	13	PIPE,INJECTION	1
970142114	14	CLAMP,FUEL LINES 1+2	2
970142115	14	CLAMP,FUEL-LINES 1+2	2
970142115	15	CLAMP,FUEL-LINES 1+2	2
970492118	15	SCREW,M 5X 20 ROUND HEAD	2
970313894	16	GLOW PLUG	3
970492118	16	SCREW,M 5X 20 ROUND HEAD	2
970307859	17	CORD,GLOW PLUG	1
970313894	17	GLOW PLUG	3
970307593	18	NUT,FLANGE	3



Model : N3.21 STANDARD ENGINE

Subassembly : INJECTION NOZZLES AND PIPES

KTC08050772 ≤ N° ≤ KTC08060779
N° ≥ KTC08060800

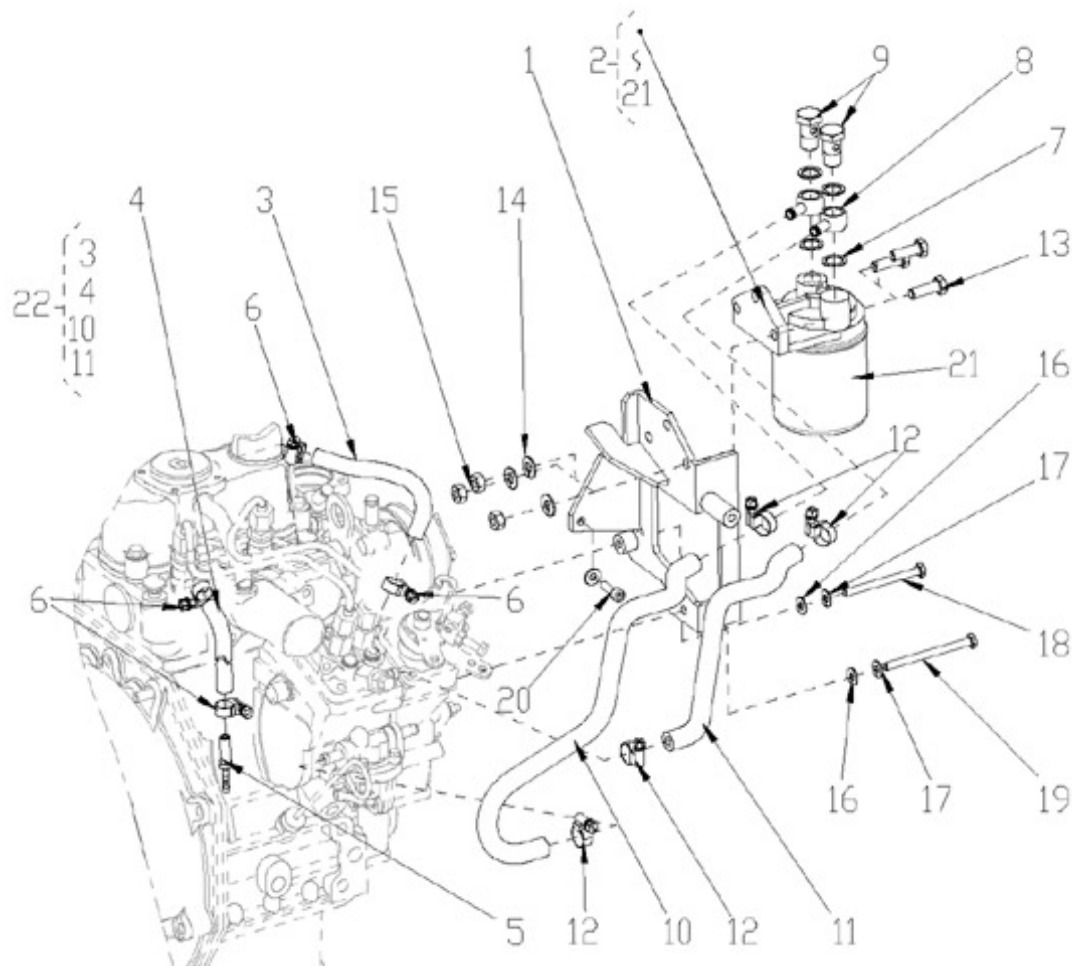


Part number	Item	Description	Quantity
970307859	18	CORD,GLOW PLUG	1
970307593	19	NUT,FLANGE	3



Model : N3.21 STANDARD ENGINE

Subassembly : FUEL FILTER

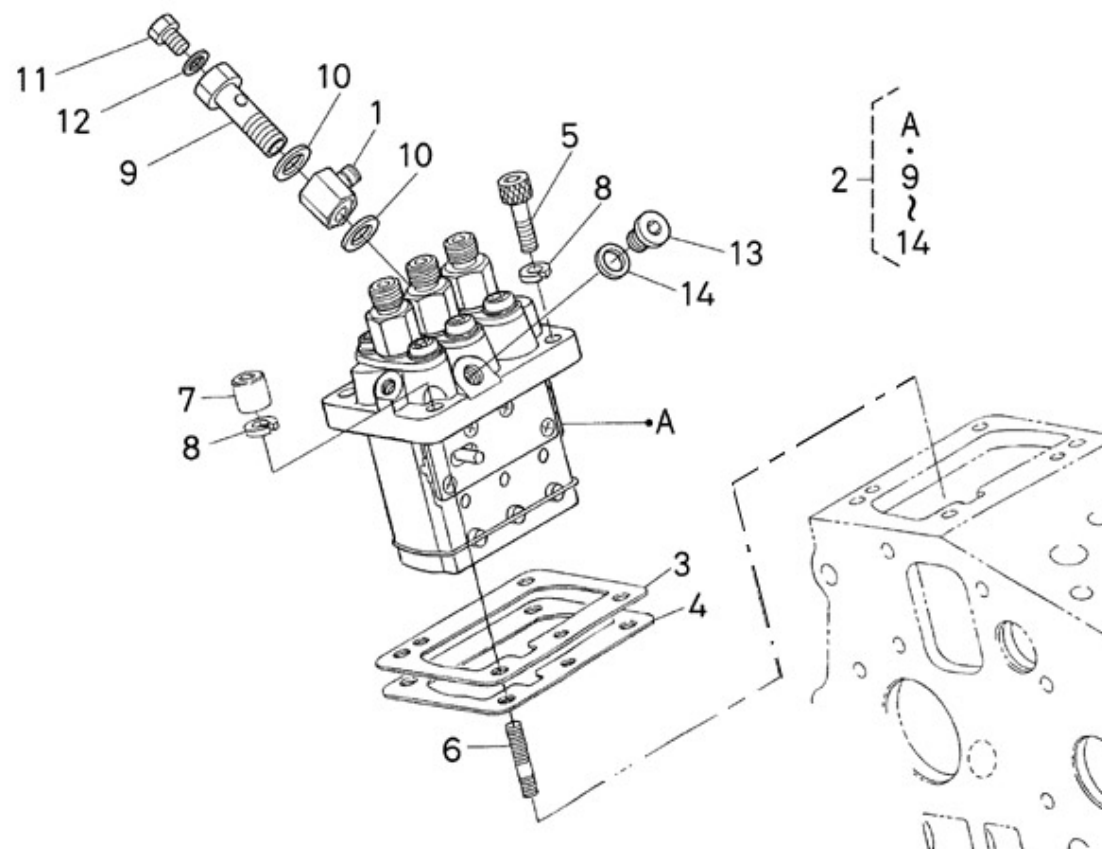


Part number	Item	Description	Quantity
970307445	1	SUPPORT,FUEL FILTER ELEMENT H-	1
970310210	2	FILTER ASSY	1
32805001	3	HOSE	0
32805001	4	HOSE	0
970302476	5	PIPE,FUEL CONN.D 8	1
970439306	6	CLAMP	4
970300306	7	GASKET,RING D14	4
970301093	8	CONNECTION,BANJO D=6/M14	2
970432515	9	BOLT,BANJO M14X1,5	2
32808002	10	FUEL HOSE ISO 7840 D8	0
32808002	11	FUEL HOSE ISO 7840 D8	0
970439306	12	CLAMP	4
970409603	13	BOLT,HEX M 8X 25	3
970119138	14	WASHER,SPRING D 8	3
970027322	15	NUT,M 8	3
970635459	16	WASHER,PLAIN D 6	2
970119149	17	WASHER, SPRING D 6	3
970497323	18	BOLT,HEX M 6X 80	1
970302213	19	BOLT,HEX M 6X 70	1
970604615	20	BOLT,SOCK M 6X 20	1
970622350	21	FILTER,FUEL	1
48878001	22	HOSE	1



Model : N3.21 STANDARD ENGINE

Subassembly : INJECTION AND FEED PUMPS



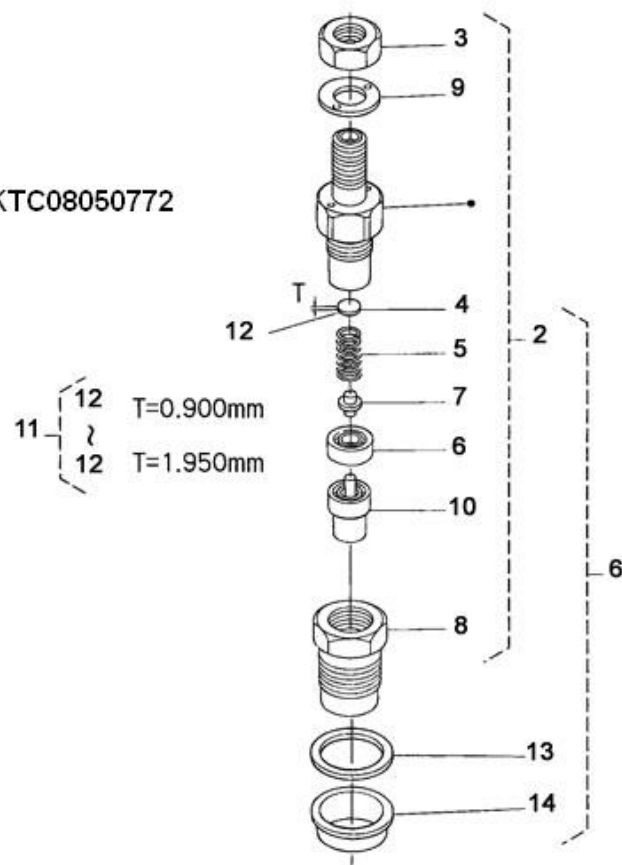
Part number	Item	Description	Quantity
970307599	1	JOINT,EYE	1
970307860	2	ASSY PUMP,INJECTION	1
970307861	3	SHIM,INJ.PUMP 0.20	1
970315029	3	SHIM,INJECTION PUMP	1
970315030	3	SHIM,INJECTION PUMP	1
970307862	4	SHIM,INJ.PUMP 0.25	1
970310335	4	SHIM,INJ.PUMP 0.30	1
970142138	5	BOLT,SOCK M 6X 20	2
970142139	6	STUD,INJ.PUMP	2
970142140	7	NUT,CAP	2
970310417	8	WASHER,SPRING	4
970307609	9	SCREW,FOLLOW	1
970307610	10	GASKET,COPPER	2
970307611	11	SCREW	1
970307612	12	GASKET	1
970310341	13	PLUG	1
970307869	14	GASKET	1



Model : N3.21 STANDARD ENGINE

Subassembly : INJECTION NOZZLE

AFTER N°KTC08050772



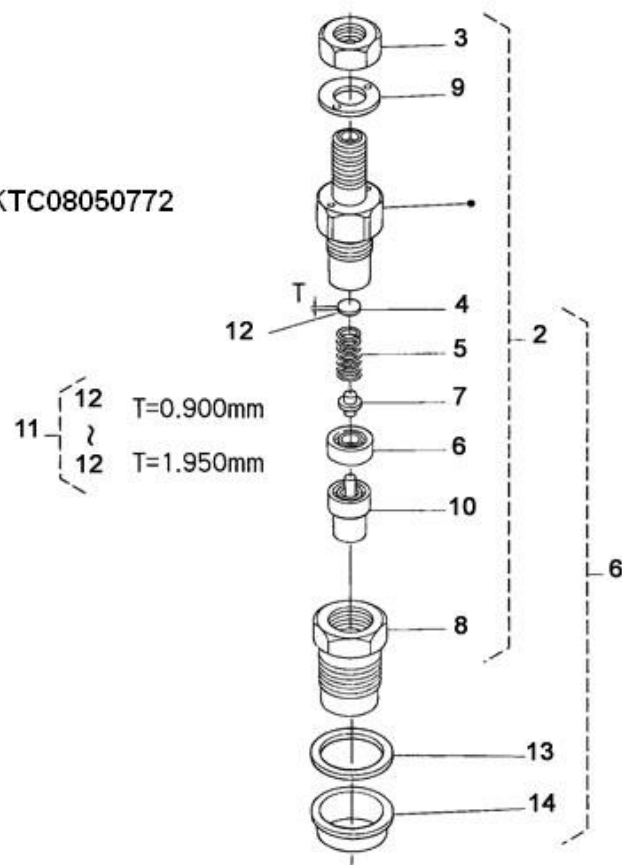
Part number	Item	Description	Quantity
970307587	1	ASSY HOLDER,NOZZLE	3
970313383	1	KIT HOLDER,NOZZLE	3
970142175	2	NUT,NOZZLE INJ.	3
970307587	2	ASSY HOLDER,NOZZLE	3
970142175	3	NUT,NOZZLE INJ.	3
970302825	3	SPACER,ADJ.NOZZLE STD. 0.900	3
970142171	4	SPRING,NOZZLE FUEL	3
970302825	4	SPACER,ADJ.NOZZLE STD. 0.900	3
970142171	5	SPRING,NOZZLE FUEL	3
970142173	5	PIECE,DISTANCE NOZZLE INJ.	3
970142170	6	ROD,PUSH NOZZLE FUEL	3
970142173	6	PIECE,DISTANCE NOZZLE INJ.	3
970142170	7	ROD,PUSH NOZZLE FUEL	3
970307595	7	NUT	3
970302826	8	WASHER,NOZZLE INJ.	3
970307595	8	NUT	3
970302826	9	WASHER,NOZZLE INJ.	3
970307596	9	PIECE,NOZZLE	3
970142200	10	SET,SPACER NOZZLE	3
970307596	10	PIECE,NOZZLE	3
970142178	11	SPACER,NOZZLE INJ. 0,925MM	3
970142179	11	SPACER,NOZZLE INJ. 0,950MM	3
970142180	11	SPACER,NOZZLE INJ. 0,975MM	3
970142181	11	SPACER,NOZZLE INJ. 1,000MM	3
970142200	11	SET,SPACER NOZZLE	3
970302825	11	SPACER,ADJ.NOZZLE STD. 0.900	3
970313819	11	WASHER,ADJUSTING 1.025mm	3
970313820	11	WASHER,ADJUSTING 1.050mm	3
970313821	11	WASHER,ADJUSTING 1.075mm	3
970313822	11	WASHER,ADJUSTING 1.100mm	3
970313823	11	WASHER,ADJUSTING 1.125mm	3
970313824	11	WASHER,ADJUSTING 1.150mm	3
970313825	11	WASHER,ADJUSTING 1.175mm	3
970313826	11	WASHER,ADJUSTING 1.200mm	3



Model : N3.21 STANDARD ENGINE

Subassembly : INJECTION NOZZLE

AFTER N°KTC08050772



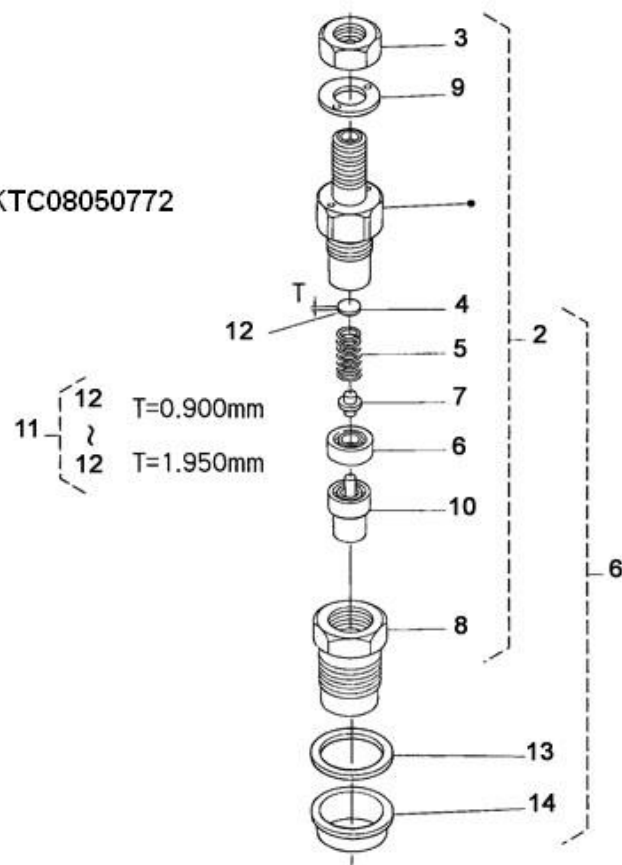
Part number	Item	Description	Quantity
970313827	11	WASHER,ADJUSTING 1.225mm	3
970313828	11	WASHER,ADJUSTING 1.250mm	3
970313829	11	WASHER,ADJUSTING 1.275mm	3
970313830	11	WASHER,ADJUSTING 1.300mm	3
970313831	11	WASHER,ADJUSTING 1.325mm	3
970313832	11	WASHER,ADJUSTING 1.350mm	3
970313833	11	WASHER,ADJUSTING 1.375mm	3
970313834	11	WASHER,ADJUSTING 1.400mm	3
970313835	11	WASHER,ADJUSTING 1.425mm	3
970313836	11	WASHER,ADJUSTING 1.450mm	3
970313837	11	WASHER,ADJUSTING 1.475mm	3
970313838	11	WASHER,ADJUSTING 1.500mm	3
970313839	11	WASHER,ADJUSTING 1.525mm	3
970313840	11	WASHER,ADJUSTING 1.550mm	3
970313841	11	WASHER,ADJUSTING 1.575mm	3
970313842	11	WASHER,ADJUSTING 1.600mm	3
970313843	11	WASHER,ADJUSTING 1.625mm	3
970313844	11	WASHER,ADJUSTING 1.650mm	3
970313845	11	WASHER,ADJUSTING 1.675mm	3
970313846	11	WASHER,ADJUSTING 1.700mm	3
970313847	11	WASHER,ADJUSTING 1.725mm	3
970313848	11	WASHER,ADJUSTING 1.750mm	3
970313849	11	WASHER,ADJUSTING 1.775mm	3
970313850	11	WASHER,ADJUSTING 1.800mm	3
970313851	11	WASHER,ADJUSTING 1.825mm	3
970313852	11	WASHER,ADJUSTING 1.850mm	3
970313853	11	WASHER,ADJUSTING 1.875mm	3
970313854	11	WASHER,ADJUSTING 1.900mm	3
970313855	11	WASHER,ADJUSTING 1.925mm	3
970313856	11	WASHER,ADJUSTING 1.950mm	3
970142178	12	SPACER,NOZZLE INJ. 0,925MM	3
970142179	12	SPACER,NOZZLE INJ. 0,950MM	3
970142180	12	SPACER,NOZZLE INJ. 0,975MM	3
970142181	12	SPACER,NOZZLE INJ. 1,000MM	3



Model : N3.21 STANDARD ENGINE

Subassembly : INJECTION NOZZLE

AFTER N°KTC08050772



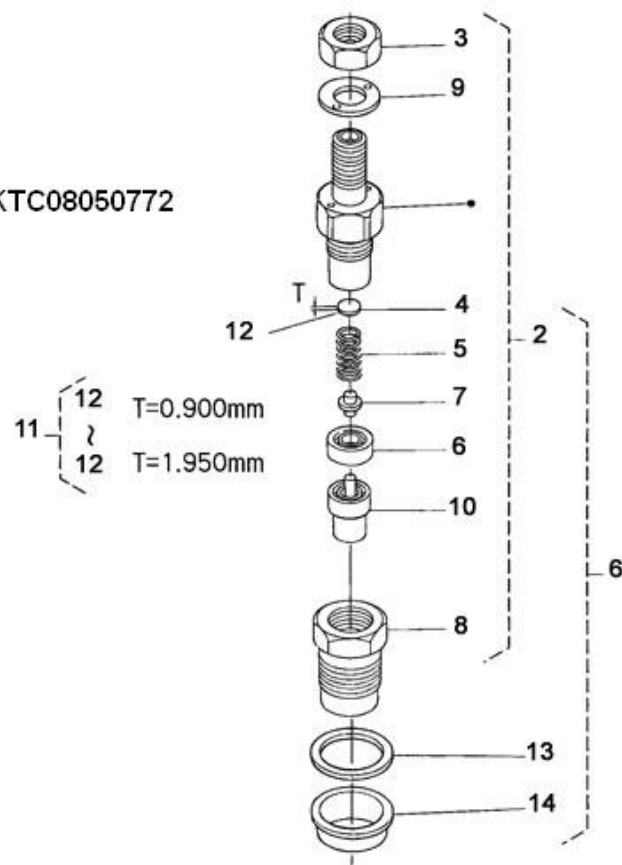
Part number	Item	Description	Quantity
970302825	12	SPACER,ADJ.NOZZLE STD. 0.900	3
970313819	12	WASHER,ADJUSTING 1.025mm	3
970313820	12	WASHER,ADJUSTING 1.050mm	3
970313821	12	WASHER,ADJUSTING 1.075mm	3
970313822	12	WASHER,ADJUSTING 1.100mm	3
970313823	12	WASHER,ADJUSTING 1.125mm	3
970313824	12	WASHER,ADJUSTING 1.150mm	3
970313825	12	WASHER,ADJUSTING 1.175mm	3
970313826	12	WASHER,ADJUSTING 1.200mm	3
970313827	12	WASHER,ADJUSTING 1.225mm	3
970313828	12	WASHER,ADJUSTING 1.250mm	3
970313829	12	WASHER,ADJUSTING 1.275mm	3
970313830	12	WASHER,ADJUSTING 1.300mm	3
970313831	12	WASHER,ADJUSTING 1.325mm	3
970313832	12	WASHER,ADJUSTING 1.350mm	3
970313833	12	WASHER,ADJUSTING 1.375mm	3
970313834	12	WASHER,ADJUSTING 1.400mm	3
970313835	12	WASHER,ADJUSTING 1.425mm	3
970313836	12	WASHER,ADJUSTING 1.450mm	3
970313837	12	WASHER,ADJUSTING 1.475mm	3
970313838	12	WASHER,ADJUSTING 1.500mm	3
970313839	12	WASHER,ADJUSTING 1.525mm	3
970313840	12	WASHER,ADJUSTING 1.550mm	3
970313841	12	WASHER,ADJUSTING 1.575mm	3
970313842	12	WASHER,ADJUSTING 1.600mm	3
970313843	12	WASHER,ADJUSTING 1.625mm	3
970313844	12	WASHER,ADJUSTING 1.650mm	3
970313845	12	WASHER,ADJUSTING 1.675mm	3
970313846	12	WASHER,ADJUSTING 1.700mm	3
970313847	12	WASHER,ADJUSTING 1.725mm	3
970313848	12	WASHER,ADJUSTING 1.750mm	3
970313849	12	WASHER,ADJUSTING 1.775mm	3
970313850	12	WASHER,ADJUSTING 1.800mm	3
970313851	12	WASHER,ADJUSTING 1.825mm	3



Model : N3.21 STANDARD ENGINE

Subassembly : INJECTION NOZZLE

AFTER N°KTC08050772

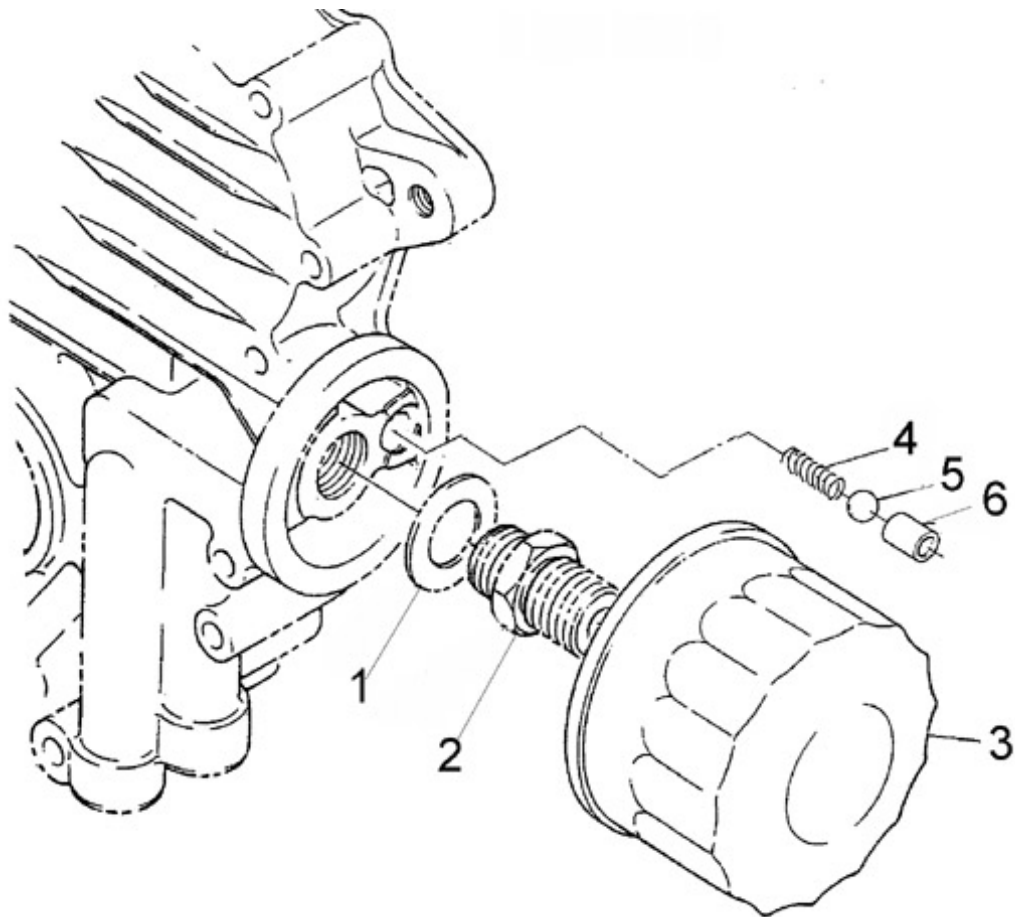


Part number	Item	Description	Quantity
970313852	12	WASHER,ADJUSTING 1.850mm	3
970313853	12	WASHER,ADJUSTING 1.875mm	3
970313854	12	WASHER,ADJUSTING 1.900mm	3
970313855	12	WASHER,ADJUSTING 1.925mm	3
970313856	12	WASHER,ADJUSTING 1.950mm	3
970142109	13	GASKET, RING INJECTORS	3
970307388	14	SEAL,HEAT	3



Model : N3.21 STANDARD ENGINE

Subassembly : OIL FILTER

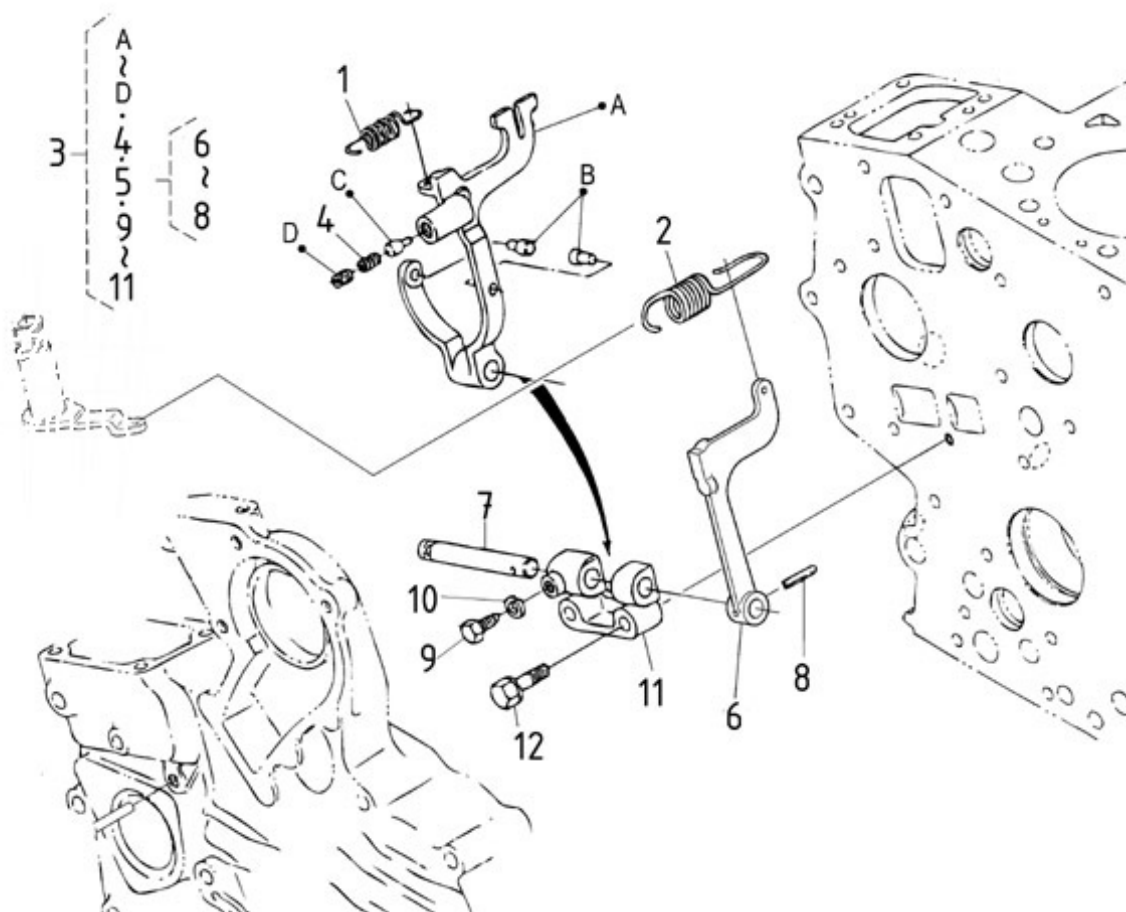


Part number	Item	Description	Quantity
970140211	1	WASHER, PLAIN	1
970302728	2	NIPPLE	1
970302697	3	FILTER,ELEMENT OIL 6.280	1
970140216	4	SPRING	1
970140218	5	BEARING, BALL	1
970140217	6	SEAT	1



Model : N3.21 STANDARD ENGINE

Subassembly : SPEED REGULATOR

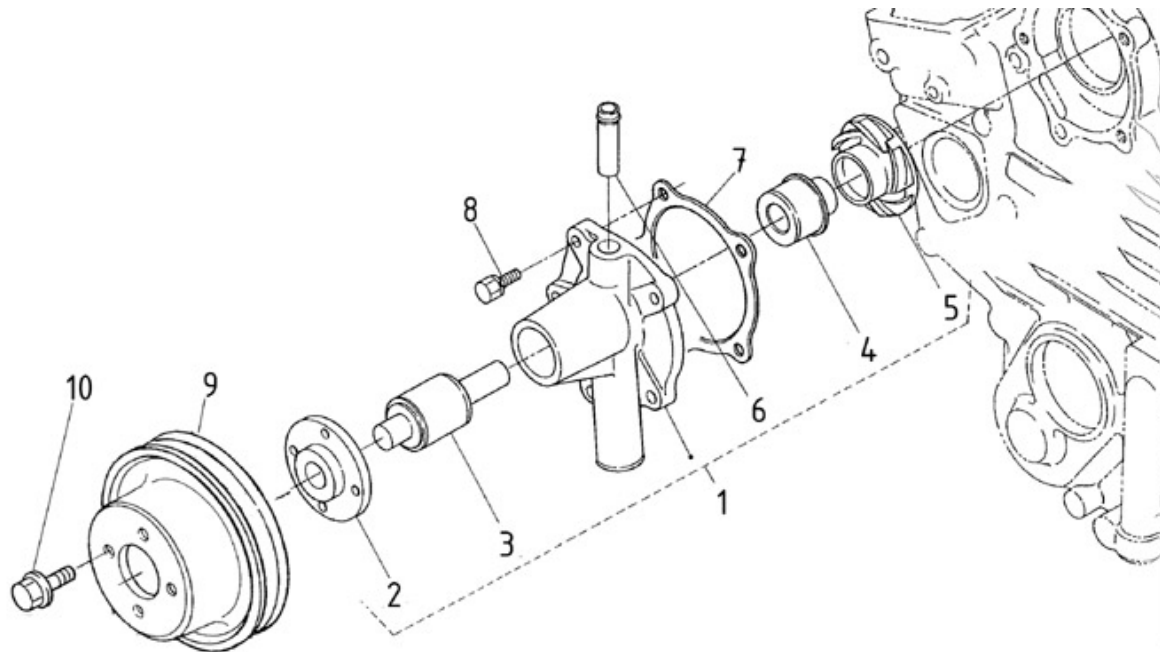


Part number	Item	Description	Quantity
970311165	1	SPRING	1
970313906	2	SPRING,GOVERNOR	1
970313488	3	ASSY LEVER,FORK	1
970313381	4	SPRING	1
970141318	5	LEVER, GOVERNOR FORK 2 CPL 2.4	1
970314157	6	LEVER, GOVERNOR FORK	1
970141319	7	SHAFT, GOVERNOR	1
970141320	8	PIN, LEVER GOVERNOR	1
970491322	9	BOLT	1
970300318	10	WASHER,SPRING D 5	1
970141325	12	BOLT, M6X35	2



Model : N3.21 STANDARD ENGINE

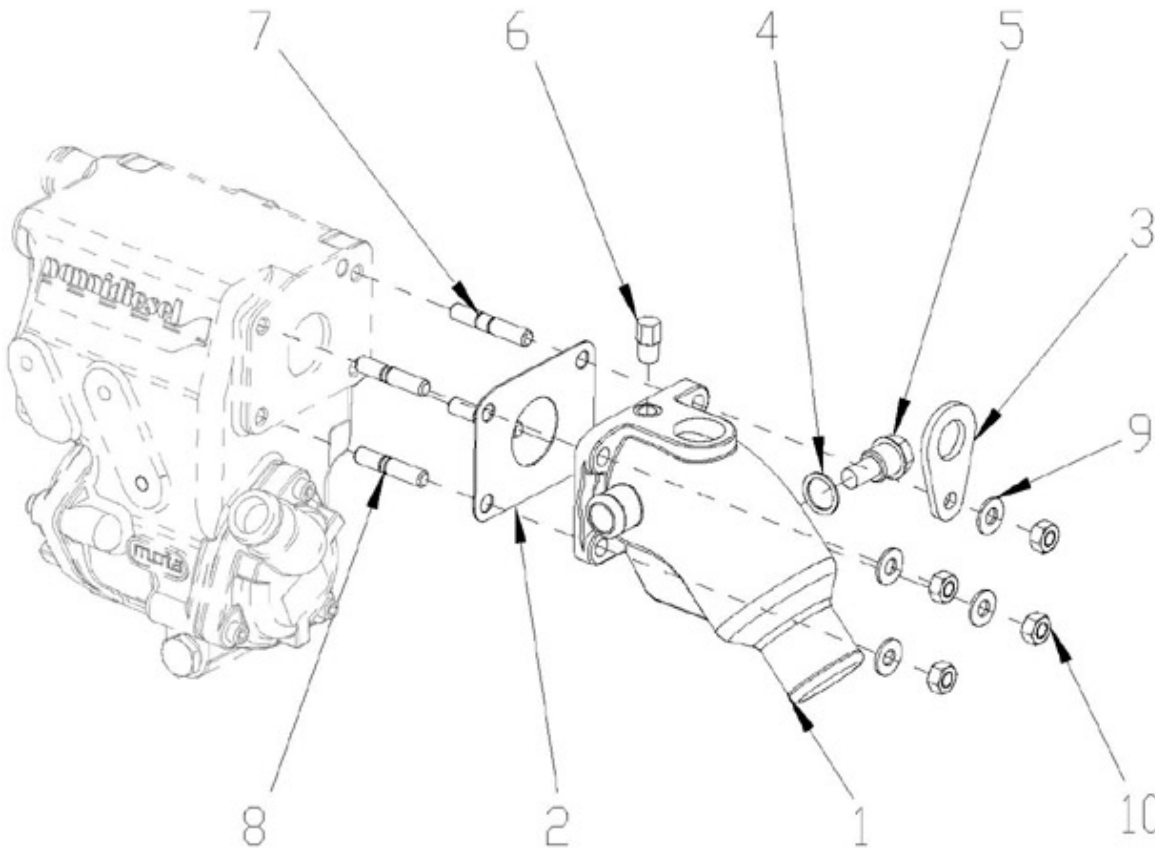
Subassembly : FRESH WATER PUMP



Part number	Item	Description	Quantity
970307624	1	ASSY PUMP,WATER	1
970307625	2	FLANGE,WATER PUMP	1
970307626	3	BEARING,BALL(RADIAL)	1
970307627	4	ASSY SEAL,MECHANICAL	1
970307628	5	IMPELLER,WATER PUMP	1
970313857	6	PIPE,WATER RETURN	1
970315053	7	GASKET,WATER PUMP	1
970141537	8	BOLT, M6X22	4
970144312	9	PULLEY	1
970313345	10	BOLT,FLANGE	4

Model : N3.21 STANDARD ENGINE

Subassembly : EXHAUST ELBOW

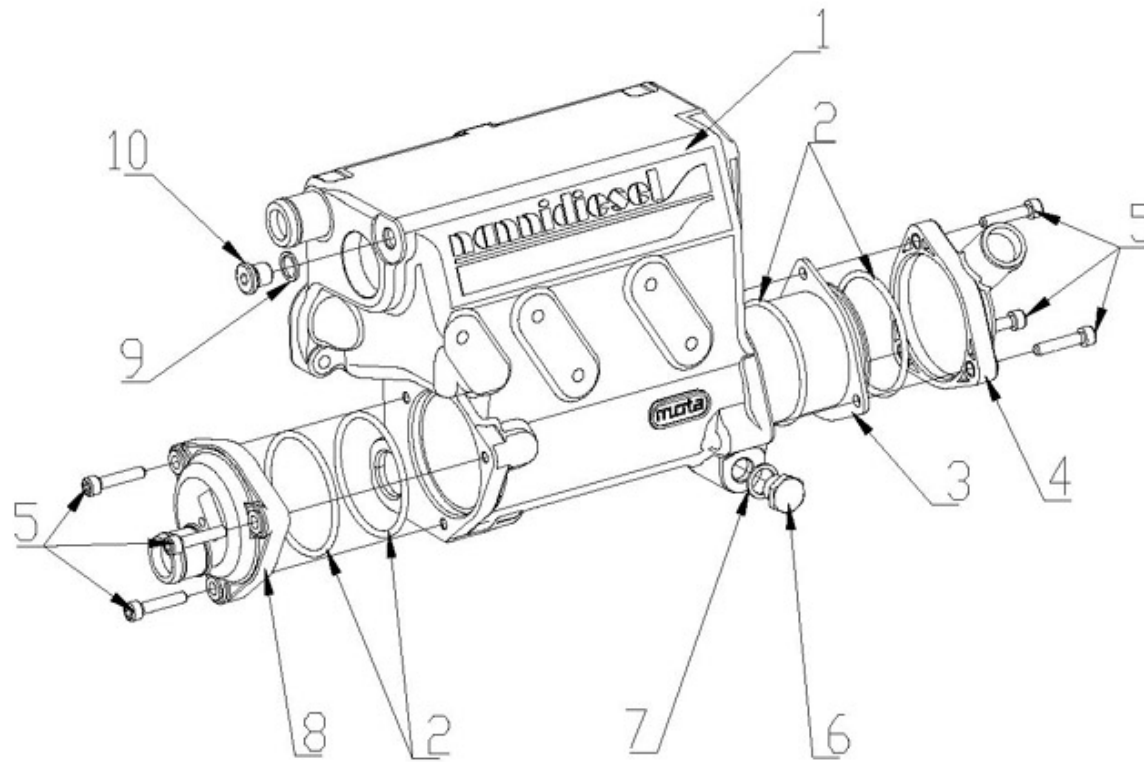


Part number	Item	Description	Quantity
970307024APR	1	ENS.COUDE ECHAPP.DIA 40MM 2.4	1
970307015	2	GASKET	1
970140901	3	HOOK, ENGINE 2.40	1
970300199	4	GASKET,RING D16	1
970494635	5	ANODE,ZINC CPL M16X1,5	1
970307265	6	PLUG,HEX 1/8	1
39020308	7	STUD BOLT	2
970300080	8	STUD,M 8X 25	2
970119139	9	WASHER,CORRUGATED D8	4
970300079	10	NUT,M 8 SPECIAL	4



Model : N3.21 STANDARD ENGINE

Subassembly : HEAT EXCHANGER - DETAILS

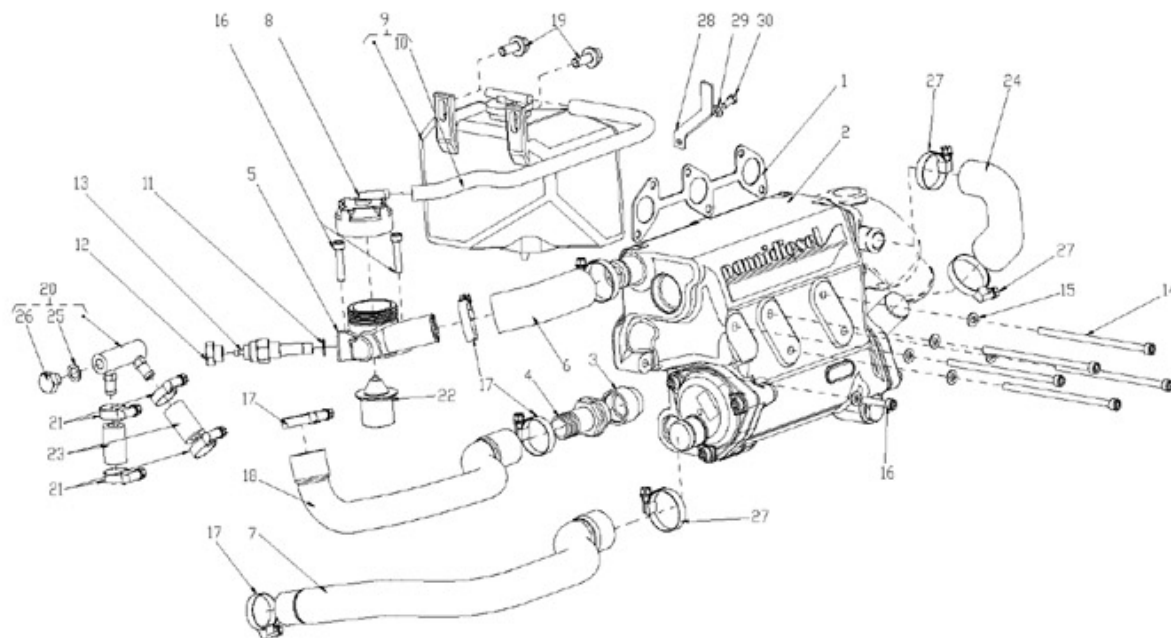


Part number	Item	Description	Quantity
48418183	2	O RING	4
970313731	3	TUBE STACK	1
970313276	4	COVER, WATER INLET	1
970634037	5	BOLT, SOCK M 6X 30	6
970875506	6	PLUG	1
970300306	7	GASKET, RING D14	1
970313275	8	COVER, WATER INLET	1
970300325	9	RING, SEAL D12	1
970314998	10	PLUG	1



Model : N3.21 STANDARD ENGINE

Subassembly : HEAT EXCHANGER

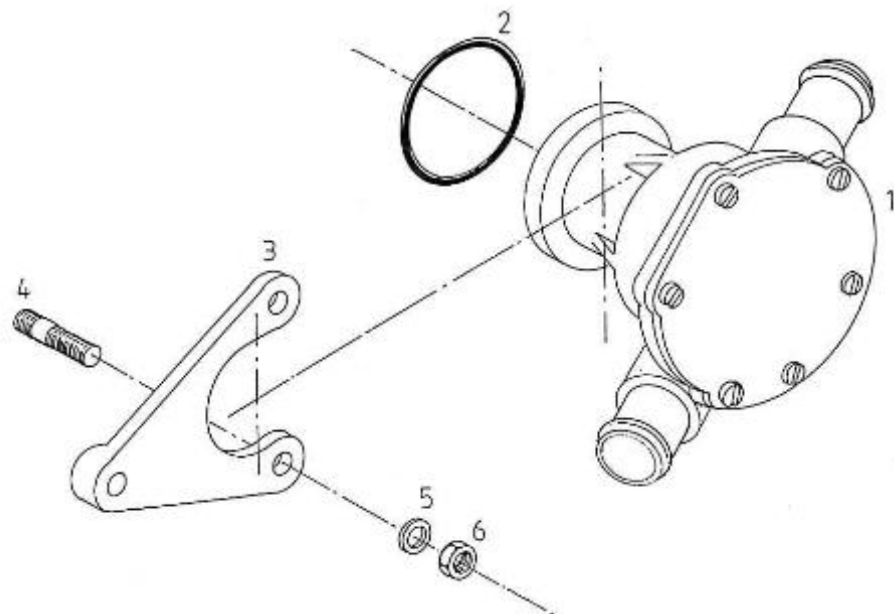


Part number	Item	Description	Quantity
970313799	1	GASKET	1
48300403	2	HEAT EXCHANGER	1
970313143	3	EXTANSION	1
970313142	4	UNION	1
95200260	5	WATER FLANGE	1
48328150	6	HOSE	1
48328178	7	HOSE	1
970313176	8	FILLING PRESSURE CAP	1
970300077	10	HOSE,D 8 L= 450	1
970300430	11	GASKET,RING D10	1
970875506	12	PLUG	1
970851602	13	WATER TEMPERATURE SENDER	1
39160732	14	BOLT	5
970609602	15	WASHER,CORRUGATED D 6	6
970634037	16	BOLT,SOCK M 6X 30	3
970310214	17	CLAMP 20 X 32 X 9	5
48328168	18	HOSE	1
39160661	19	BOLT	2
KP103A50	20	BREATHER	1
970310244	21	ASSY THERMOSTAT	1
970310244	22	ASSY THERMOSTAT	1
32808002	23	FUEL HOSE ISO 7840 D8	0
48328175	24	HOSE	1
970300430	25	GASKET,RING D10	1
41169405	26	PLUG	1
970604526	27	CLAMP,HOSE 22-32	3
95310806	28	BRACKET	1
970119138	29	WASHER,SPRING D 8	1
39160661	30	BOLT	1



Model : N3.21 STANDARD ENGINE

Subassembly : SEA WATER PUMP

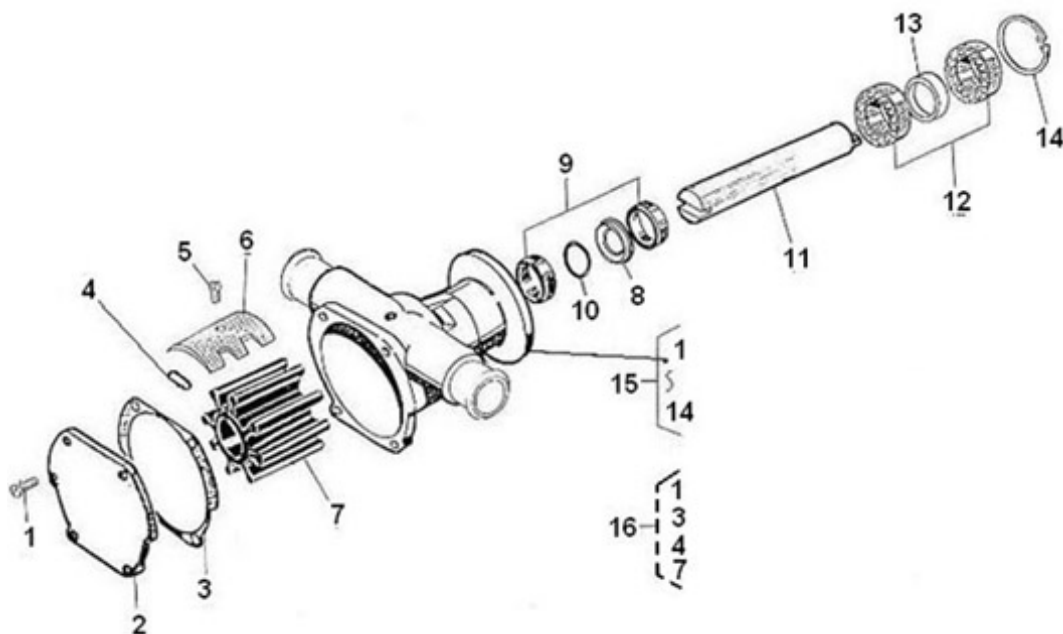


Part number	Item	Description	Quantity
970307808	1	PUMP,WATER	1
970494025	2	O-RING	1
970154026	4	STUD,M 6X 22	3
970609602	5	WASHER,CORRUGATED D 6	3
970635460	6	NUT,M 6	3



Model : N3.21 STANDARD ENGINE

Subassembly : SEA WATER PUMP - DETAILS

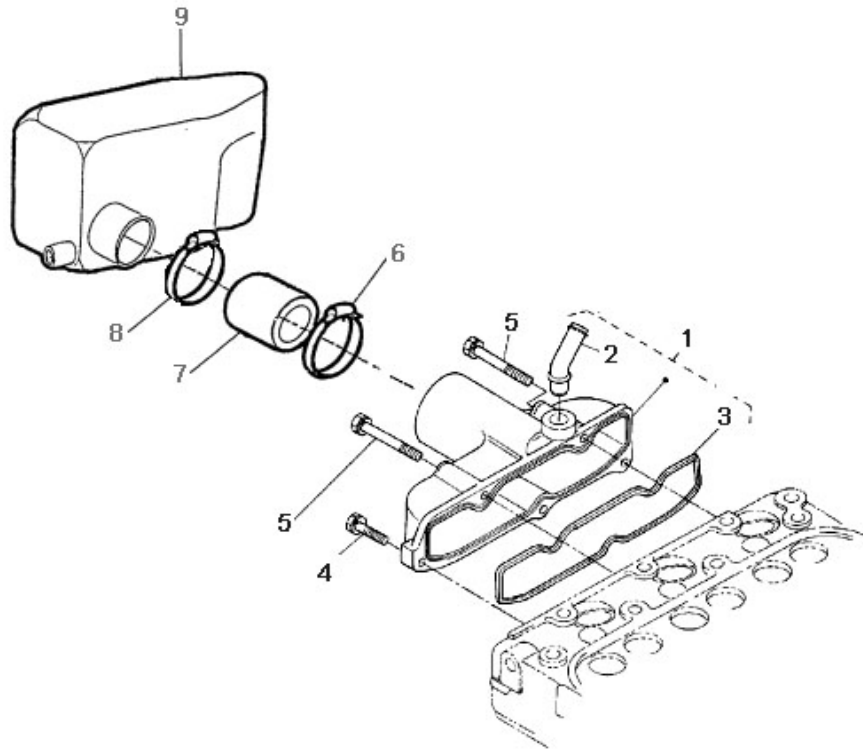


Part number	Item	Description	Quantity
970303686	1	SCREW,COVER W/PUMP F35B-9	6
970303691	2	COVER,WATER PUMP F4B-9	1
970504028	3	GASKET	1
970303687	4	SCREW,CAM WATER PUMP	1
970303687	5	SCREW,CAM WATER PUMP	1
970504034	6	CAM,WATER PUMP F4B-9	1
970434013	7	IMPELLER,WATER PUMP	1
970307738	8	SPACER	1
970434031	9	RING,SEAL OIL W/PUMP F35B-9	2
970307744	10	O-RING	1
970307734	11	PUMP SHAFT	1
970303692	12	BEARING,CASE WATER PUMP F4B-9	2
970307739	13	SPACER	1
970303693	14	RING,RETAINING WATER PUMP F4B-	1
970307808	15	PUMP,WATER	1
970307749	16	REPAIR KIT	1



Model : N3.21 STANDARD ENGINE

Subassembly : INTAKE MANIFOLD

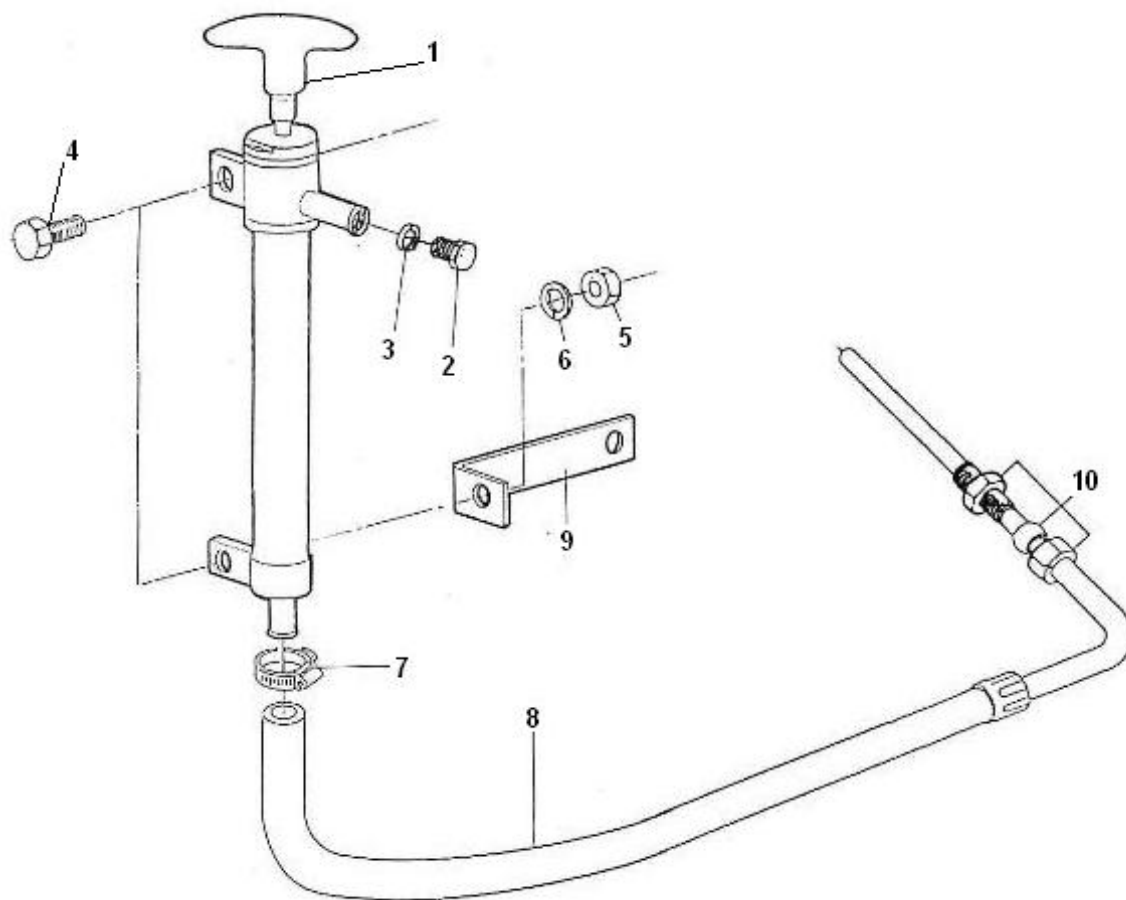


Part number	Item	Description	Quantity
970313492	1	ASSY MANIFOLD INLET	1
970313457	2	PIPE,BREATHER	1
970307828	3	GASKET,MANIFOLD NA	1
970490119	4	BOLT,M 6X 18	2
970302736	5	BOLT,M 6X 45	3
970604533	6	CLAMP,HOSE 32-44	1
970301611	7	HOSE,AIR FILTER 2. 40-2.60/HE	1
970634621	8	CLAMP,HOSE	1
970301330	9	FILTER,AIR HE	1



Model : N3.21 STANDARD ENGINE

Subassembly : OIL DRAIN PUMP

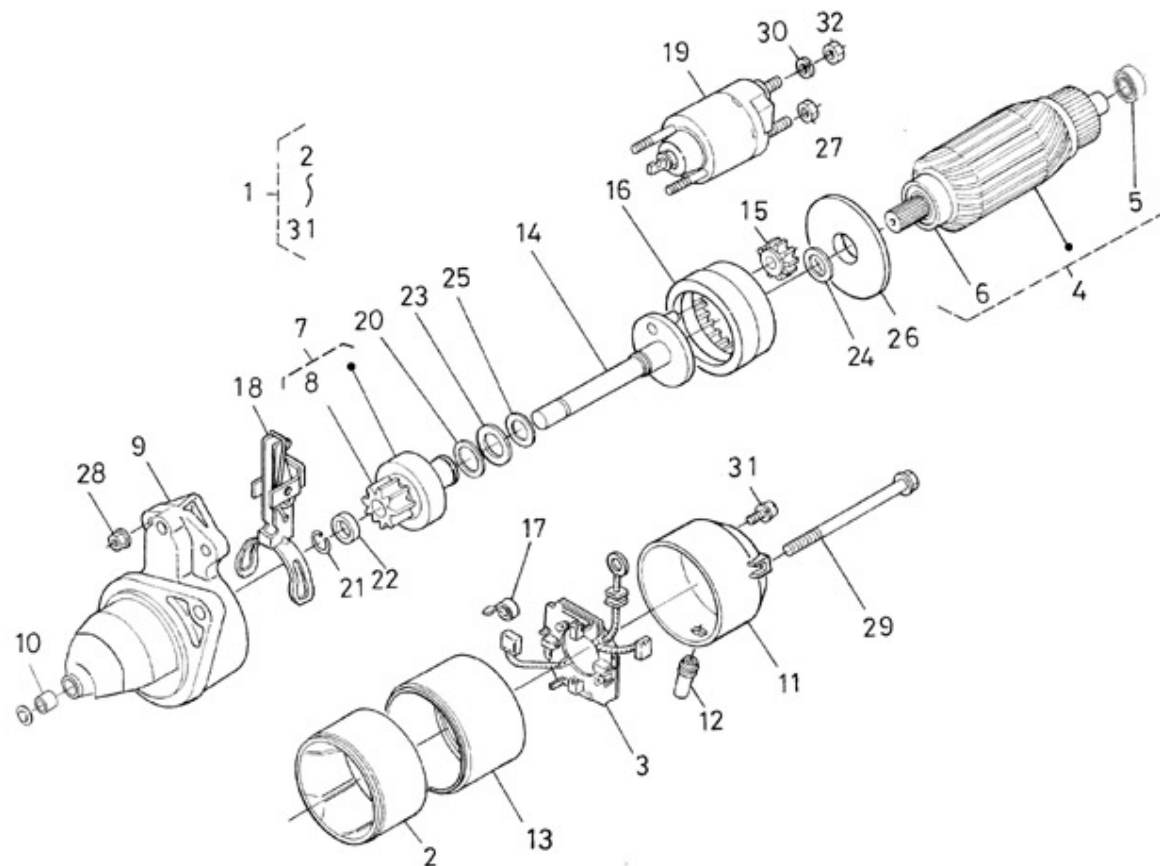


Part number	Item	Description	Quantity
970439302	1	PUMP,OIL EXTRACTION	1
970832061	2	BOLT	1
970300288	3	GASKET,M8	1
970439910	4	BOLT,HEX M 6X 16	2
970635460	5	NUT,M 6	1
970119149	6	WASHER, SPRING D 6	1
970439306	7	CLAMP	1
970313197	8	DRAIN OIL PIPE	1
970307019	9	BRACKET	1
970310026	10	CONNECTION	1



Model : N3.21 STANDARD ENGINE

Subassembly : STATER - DETAILS

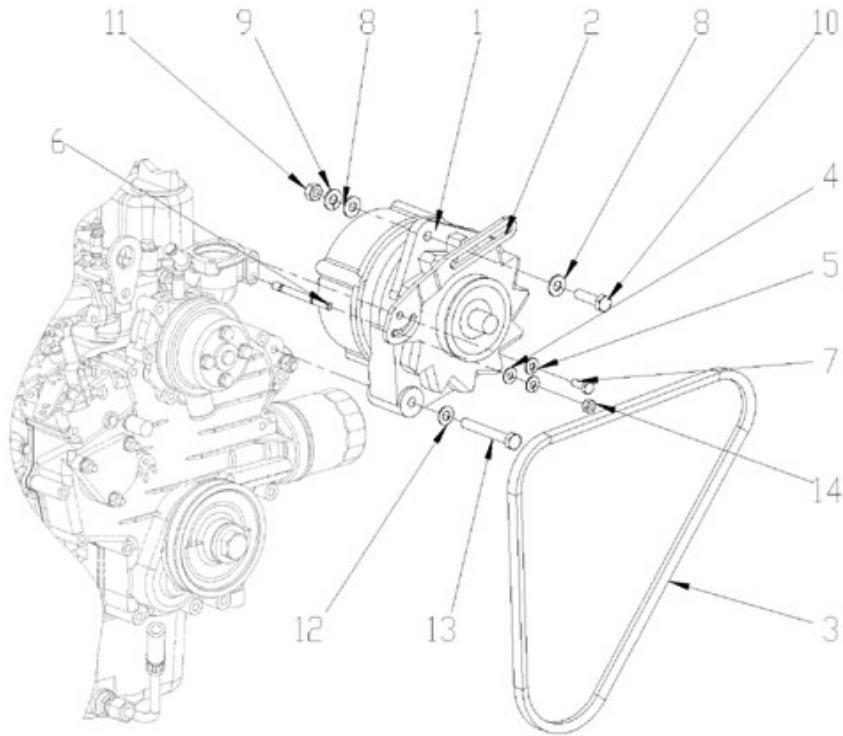


Part number	Item	Description	Quantity
970313218	1	ASSY STARTER	1
970313460	2	ASSY YOKE,STARTER	1
970313364	3	ASSY HOLDER	1
970313461	4	ASSY ARMATURE	1
970303959	5	BEARING,CASE	1
970314188	6	BEARING,BALL	1
970313465	7	ASSY CLUTCH,STARTER	1
970314261	8	GEAR,PINION	1
970313458	9	ASSY HOUSING,STARTER	1
970313462	10	BEARING	1
970312471	11	ASSY FRAME	1
970313358	12	COVER	1
970313365	13	ASSY BEARING	1
970313466	14	ASSY SHAFT,STARTER	1
970313362	15	GEAR	3
970313363	16	GEAR	1
970517318	17	SPRING,BRUSH	2
970313360	18	LEVER	1
970312485	19	ASSY SWITCH,MAGNETIC	1
970313361	20	RING,SNAP	1
970313357	21	RING,SNAP	1
970313359	22	COLLAR	1
970313366	23	WASHER,PLAIN	1
970313367	24	WASHER,PLAIN	1
970313368	25	WASHER,PLAIN	1
970313369	26	PLATE	1
970313416	27	NUT,HEXAGON	1
970497340	28	NUT	2
970313356	29	BOLT,THROUGH	2
970490904	30	WASHER,SPRING D 8	1
970313467	31	SCREW	2
970303966	32	NUT	1



Model : N3.21 STANDARD ENGINE

Subassembly : ALTERNATOR



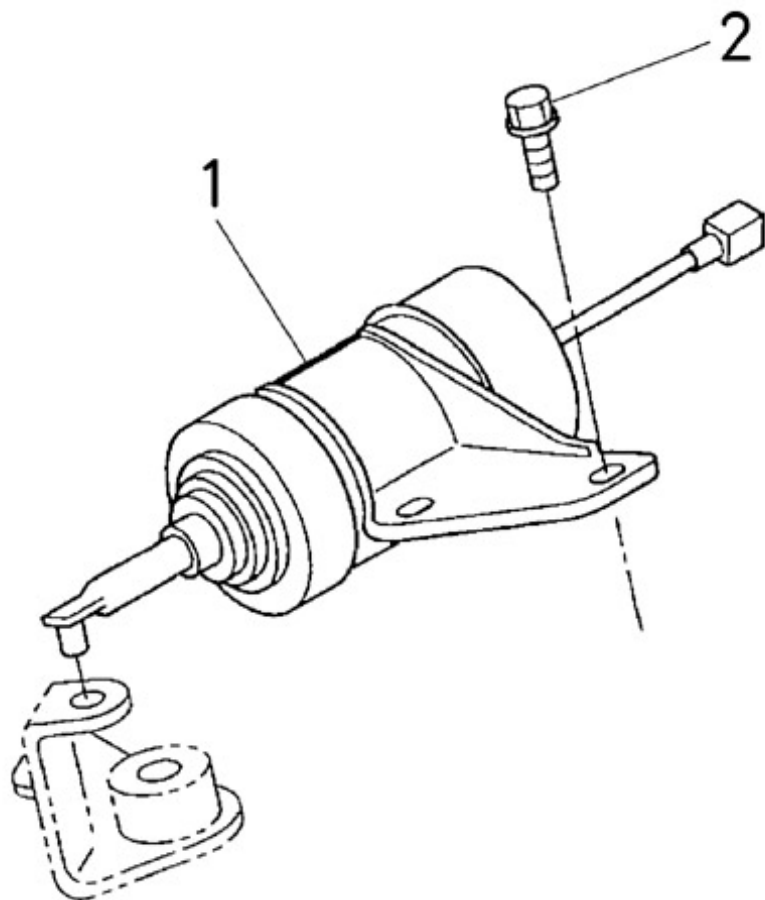
Part number	Item	Description	Quantity
48201149	1	ALTERNATOR 12V-70A	1
95310765	2	ADJUSTER	1
48108138	3	V BELT	1
970635459	4	WASHER,PLAIN D 6	1
970119149	5	WASHER, SPRING D 6	2
39020550	6	STUD M6-60,J12,cl 8.8,ZN	1
970439910	7	BOLT,HEX M 6X 16	1
970027323	8	WASHER,PLAIN D 8	2
970119138	9	WASHER,SPRING D 8	1
970119148	10	BOLT, HEX M 8X 30	1
970027322	11	NUT,M 8	1
970119139	12	WASHER,CORRUGATED D8	1
970639603	13	BOLT,HEX M 8X 65	1
970635459	14	WASHER,PLAIN D 6	1



Model : N3.21 STANDARD ENGINE

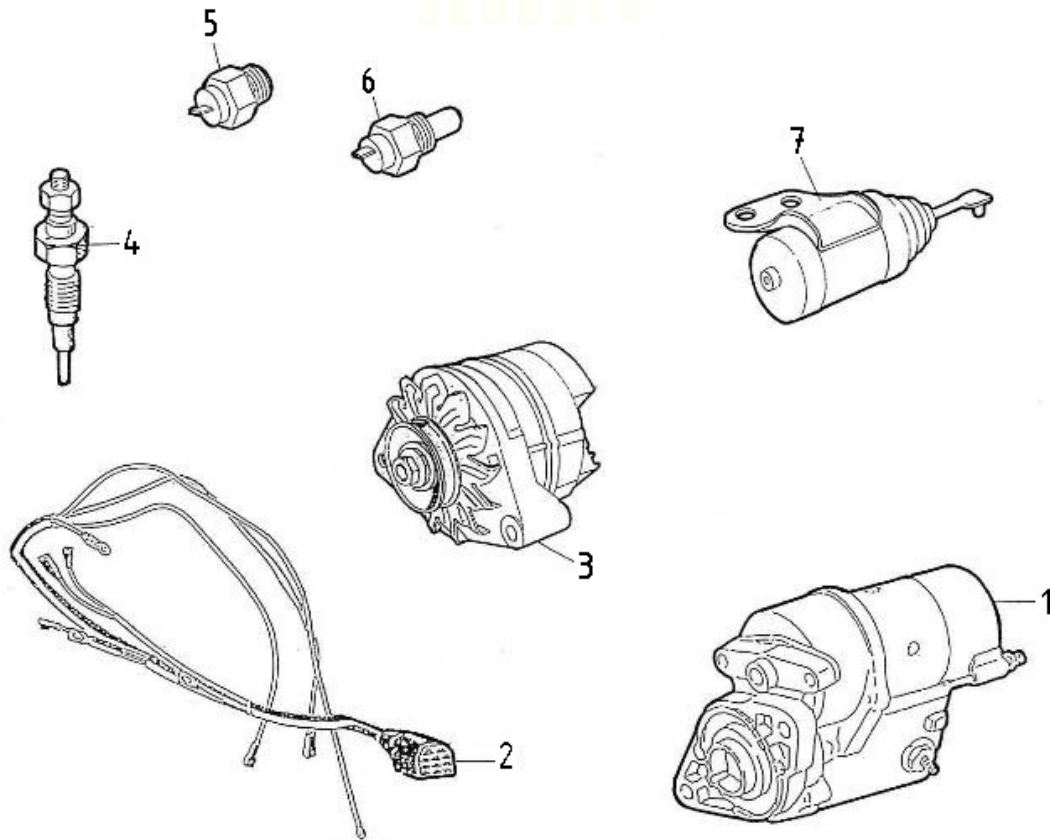
Subassembly : ELECTRICAL STOP

Part number	Item	Description	Quantity
970307669	1	SOLENOID,STOP	1
39160735	2	BOLT	2



Model : N3.21 STANDARD ENGINE

Subassembly : ELECTRICAL EQUIPMENTS

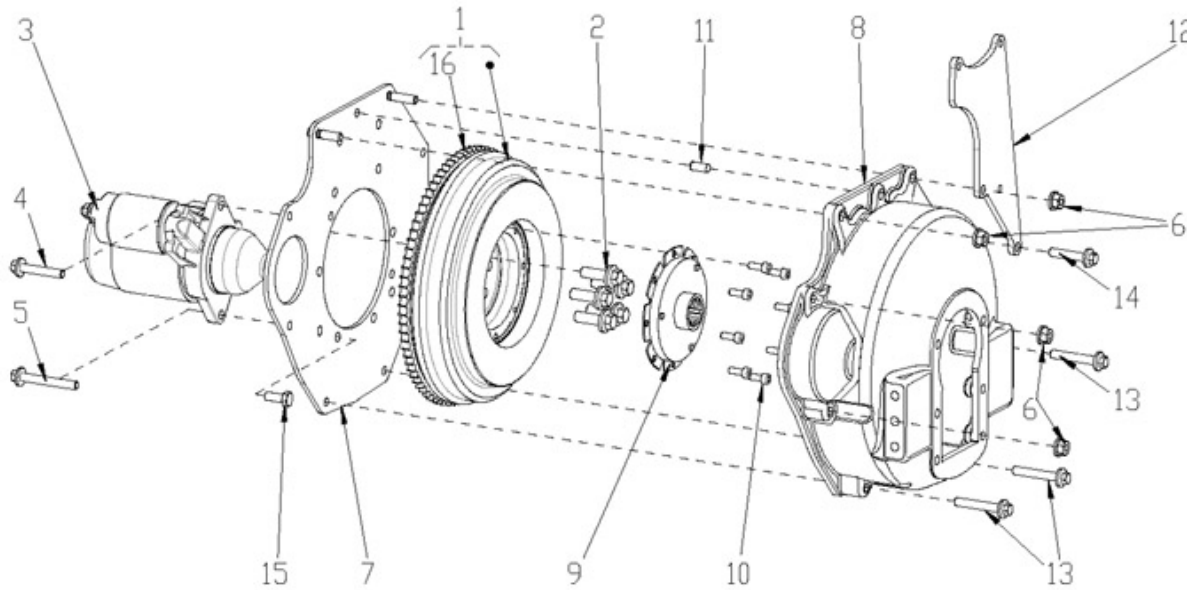


Part number	Item	Description	Quantity
970313218	1	ASSY STARTER	1
674485	2	WIRING	1
48201149	3	ALTERNATOR 12V-70A	1
970307591	4	GLOW PLUG	1
970851700	5	SWITCH,OIL	1
970304054	6	TEMPERATURE SWITCH 1/8 1P 97	1
970307669	7	SOLENOID,STOP	1



Model : N3.21 STANDARD ENGINE

Subassembly : GEAR BOX FLANGE

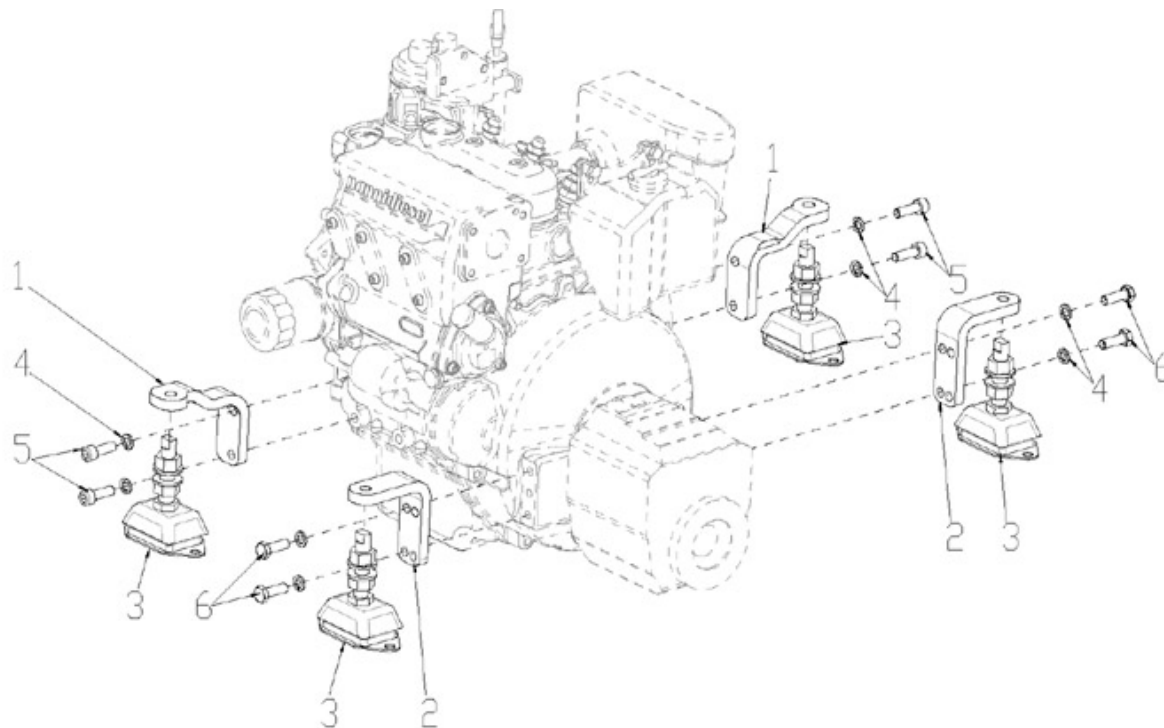


Part number	Item	Description	Quantity
970313313	1	COMP.FLYWHEEL	1
970313309	2	BOLT	5
970313218	3	ASSY STARTER	1
39160926	4	BOLT	4
39160925	5	BOLT	1
39460916	6	NUT	4
970314273	7	PLATE,REAR END	1
95200257	8	HOUSING	1
970776050	9	DAMPERPLATE,121 DIN	1
970119147	10	BOLT, SOCK M 6X12	8
970490111	11	PIN,CYLINDRICAL	1
95310774	12	BRACKET	1
39160642	13	BOLT	3
39160639	14	BOLT	1
970313428	15	BOLT	8
970313418	16	GEAR,RING	1



Model : N3.21 STANDARD ENGINE

Subassembly : SUPPORT AND MOUNTING



Part number	Item	Description	Quantity
95310762B	1	PIEDS MOTEUR AV	0
95310763	2	FOOT	2
48190036	3	MOUNT,RUBBER CPL.45 SMALL	4
970119136	4	WASHER,SPRING D10	8
39129602	5	BOLT	4
970649721	6	BOLT,HEX M10X 30	4

