



SPARE PARTS CATALOGUE

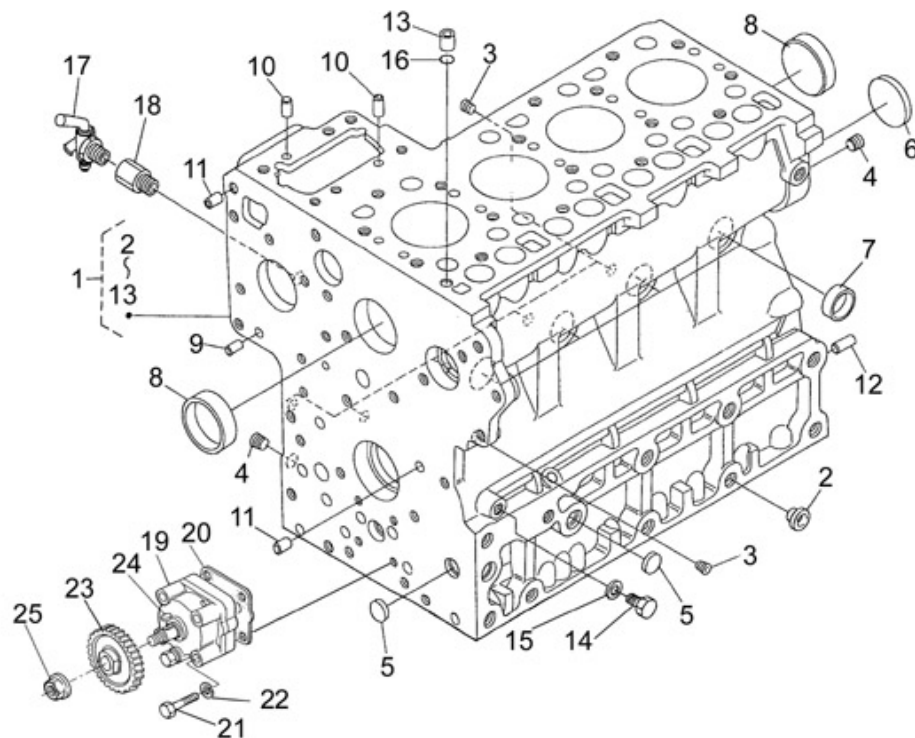
(version du 12-07-2023)

N4.50 STANDARD ENGINE



Model : N4.50 STANDARD ENGINE

Subassembly : ENGINE BLOCK

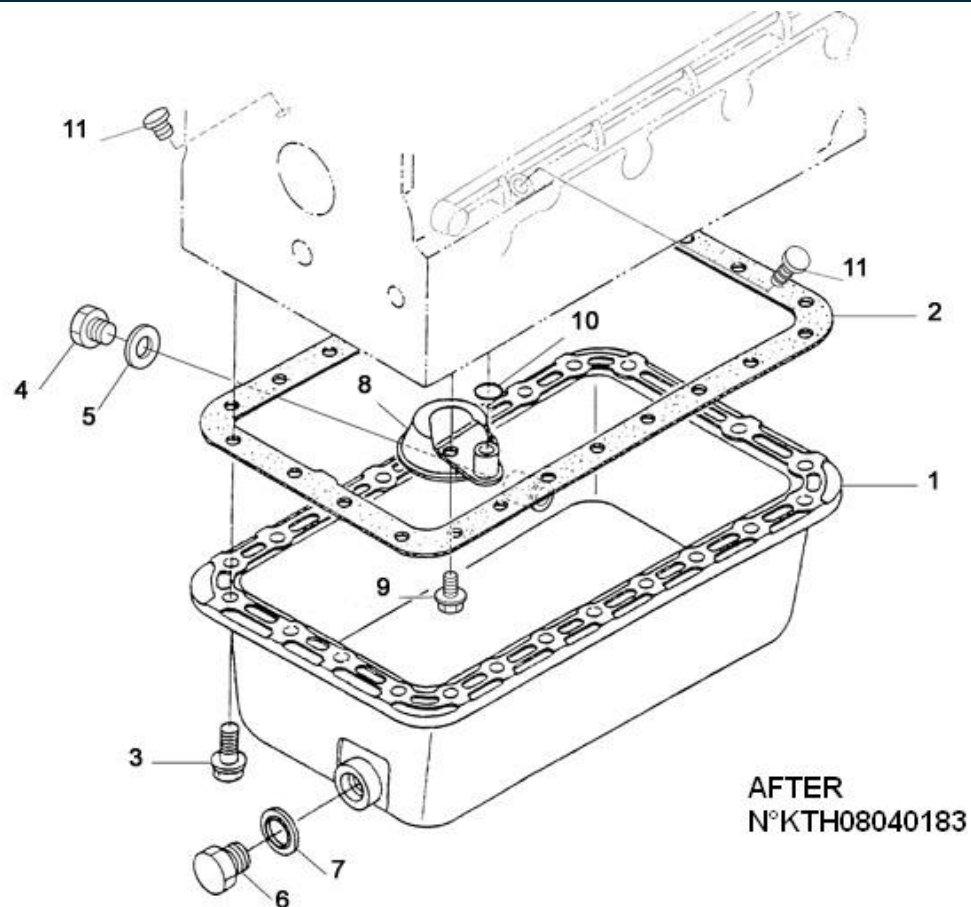


Part number	Item	Description	Quantity
970313168	1	COMP. CRANKCASE	1
970315056	1	COMP. CRANKCASE	1
970301901	2	PLUG	2
970490108	3	PLUG, SOCK	6
970490109	4	PLUG, SOCK	2
970301903	5	PLUG	3
970301904	6	PLUG, EXPANSION	1
970301905	7	CAP, SEALING	6
970301906	8	CAP, FREEZE	2
970301907	9	PIN, CYLINDRICAL	2
970490122	10	PIN, CYLINDRICAL	2
970301908	11	PIN, CYLINDRICAL	2
970301909	12	PIN, CYLINDRICAL	1
970490112	13	PIN, PIPE	1
970314186	14	PLUG	1
970491131	15	WASHER, SEAL	1
970490116	16	O-RING	1
970301918	17	TAP, DRAIN	1
970301911	18	NIPPLE, REDUCTION	1
970301913	19	PUMP, OIL CPL. 4.190	1
970301914	20	GASKET, OIL PUMP	1
970302737	21	BOLT, M 6X 50	4
970314175	21	BOLT	4
970310417	22	WASHER, SPRING	4
970301915	23	GEAR, OIL PUMP DRIVE	1
970493118	24	KEY, FEATHER H-HE	1
970301916	25	NUT	1



Model : N4.50 STANDARD ENGINE

Subassembly : OIL SUMP - OIL PUMP

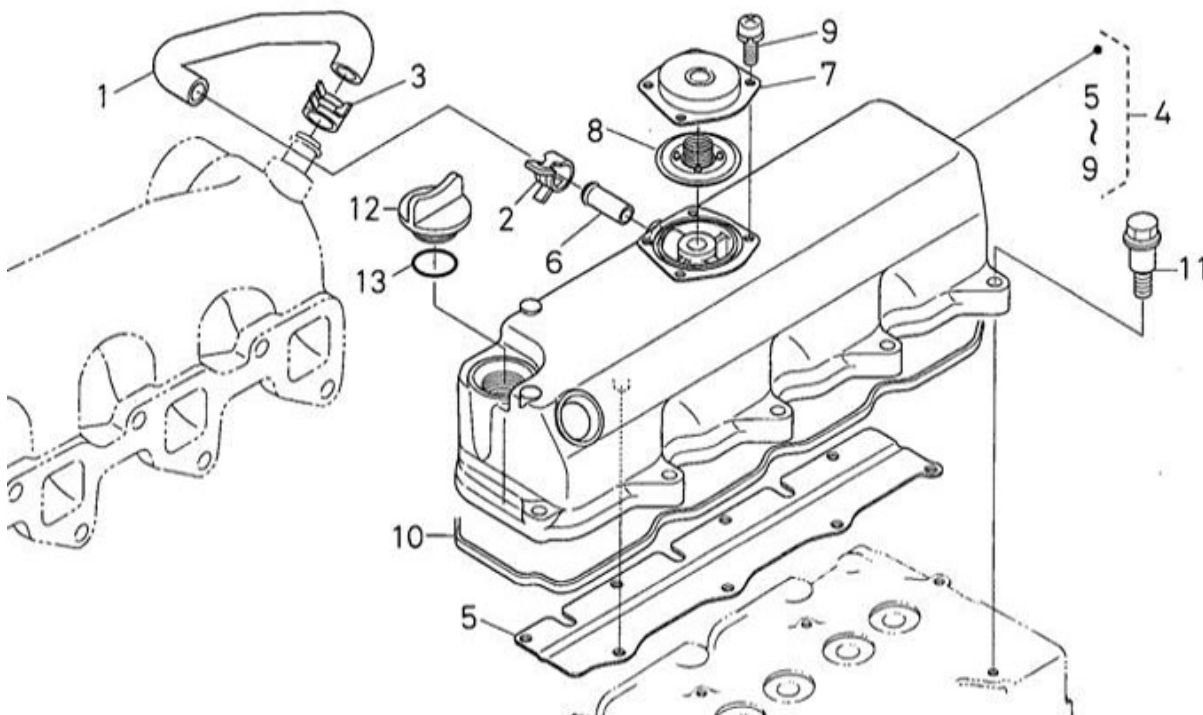


Part number	Item	Description	Quantity
970307731	1	COMP.OIL PAN	1
970301948	2	GASKET,OIL PAN 4.190	1
970312958	3	BOLT,FLANGE	24
970301950	4	FILTER,OIL PAN 4.190	1
970312960	5	GASKET	1
970313311	5	BOLT	1
970150127	6	PLUG,DRAIN	1
970312961	6	O RING	1
970150128	7	WASHER,DRAIN PLUG	1
970150127	8	PLUG,DRAIN	1
970301950	8	FILTER,OIL PAN 4.190	1
970310819	9	BOLT,FLANGE	1
970312961	10	O RING	1
970314755	11	PLUG	2



Model : N4.50 STANDARD ENGINE

Subassembly : CYLINDER HEAD COVER

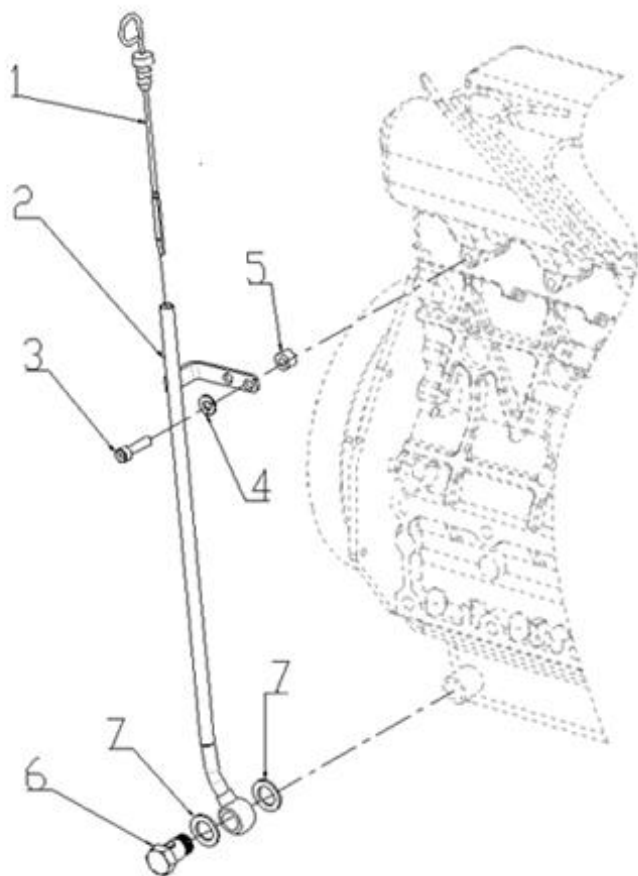


Part number	Item	Description	Quantity
970313184	1	TUBE,BREATHER	1
970313185	2	CLAMP,HOSE	1
970310510	3	CLAMP,HOSE	1
970312879	4	COVER,CYL.HEAD	1
970307535	6	HOSE	1
970313451	7	COVER,BREATHER	1
970313503	8	COMP.VALVE,BREATHER	1
970490307	9	SCREW,M 5X 10	4
970312974	10	GASKET,HEAD COVER	1
970312975	11	BOLT	10
970490510	12	CAP,FILLING OIL	1
970313560	13	O RING	1



Model : N4.50 STANDARD ENGINE

Subassembly : OIL DIPSTICK



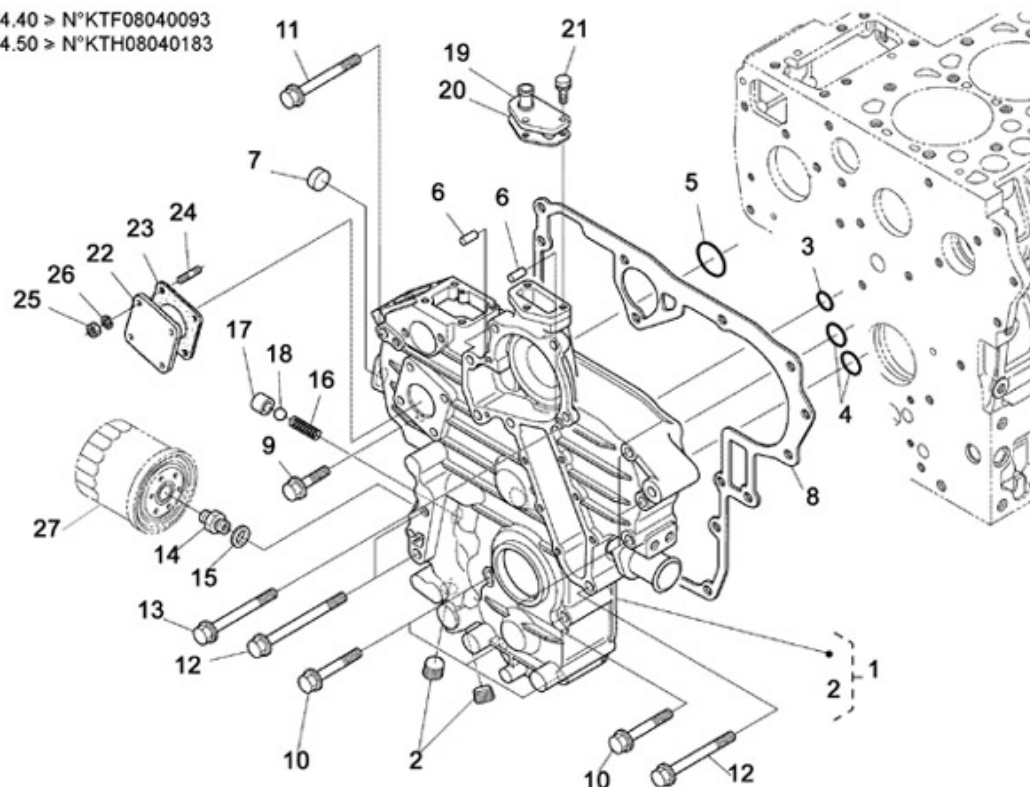
Part number	Item	Description	Quantity
970302715	1	DIPSTICK,OIL LEVEL 4.150	1
970635916	3	BOLT,SOCK M 8X 35	1
970119138	4	WASHER,SPRING D 8	1
970300375	5	SPACER	1
970307728	6	BOLT,BANJO	1
970300364	7	GASKET,RING D18	2



Model : N4.50 STANDARD ENGINE

Subassembly : TIMING GEAR CASE

N4.40 > N°KTF08040093
N4.50 > N°KTH08040183



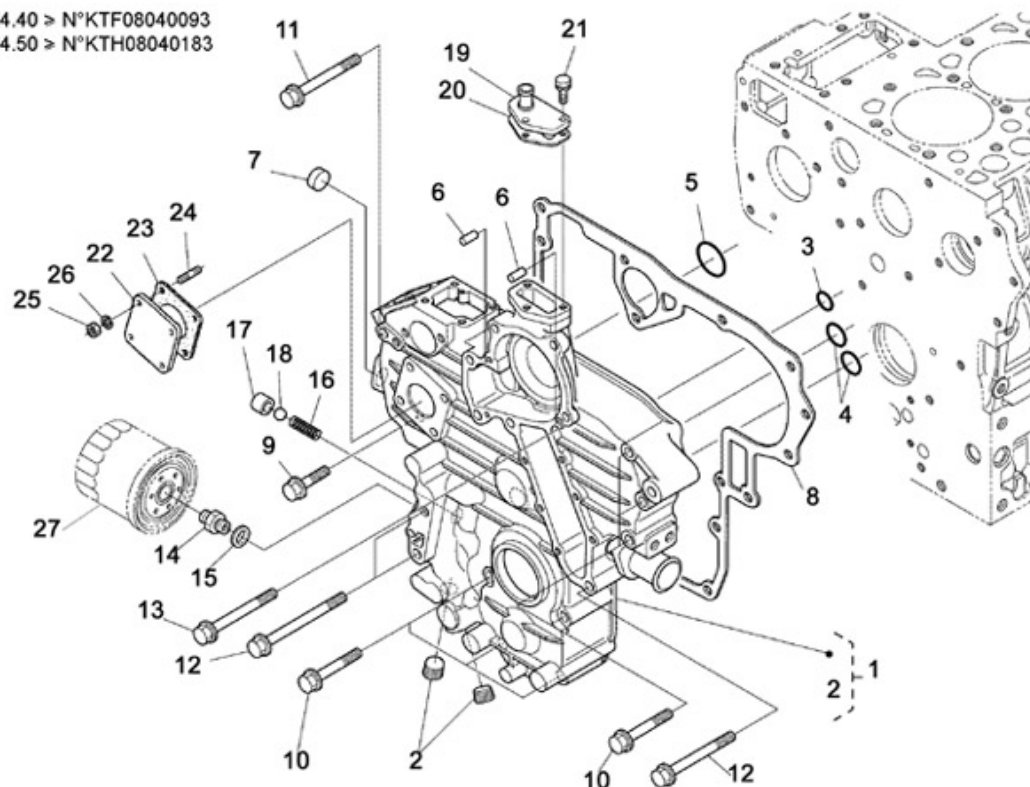
Part number	Item	Description	Quantity
970310407	1	ASSY CASE,GEAR	1
970315057	1	COMP. CASE,GEAR	1
970140202	2	PLUG, SOCK	2
970312950	2	PLUG	2
970493132	3	O-RING	1
970312951	4	O RING	2
970314181	4	O RING	1
970312952	5	O RING	1
970301908	6	PIN,CYLINDRICAL	2
970490204	6	PIN,TIMING COVER	1
970301908	7	PIN,CYLINDRICAL	2
970314796	7	CAP,SEALING	1
970301925	8	GASKET,TIMING CASE 4.190	1
970312953	8	GASKET,GEAR CASE	1
970315724	8	GASKET,GEAR CASE	1
970301926	9	BOLT,M 8X 60	2
970313569	9	BOLT,FLANGE	1
970301927	10	BOLT,M 8X 70	5
970315058	10	BOLT, FLANGE	7
970310536	11	BOLT	1
970313549	11	BOLT,FLANGE	1
970301928	12	BOLT,M 8X 80	2
970315059	12	BOLT, FLANGE	2
970301929	13	BOLT	3
970315060	13	BOLT, FLANGE	4
970301930	14	BOLT,M 8X 95	2
970302072	14	NIPPLE	1
970314276	15	COLLAR,VALVE SEAT	1
970490904	15	WASHER,SPRING D 8	9
970301933	16	WASHER,PLAIN D 8	1
970302074	16	SPRING	1
970302072	17	NIPPLE	1
970302075	17	SEAT,VALVE	1
970302076	18	BEARING,BALL	1



Model : N4.50 STANDARD ENGINE

Subassembly : TIMING GEAR CASE

N4.40 > N°KTF08040093
N4.50 > N°KTH08040183



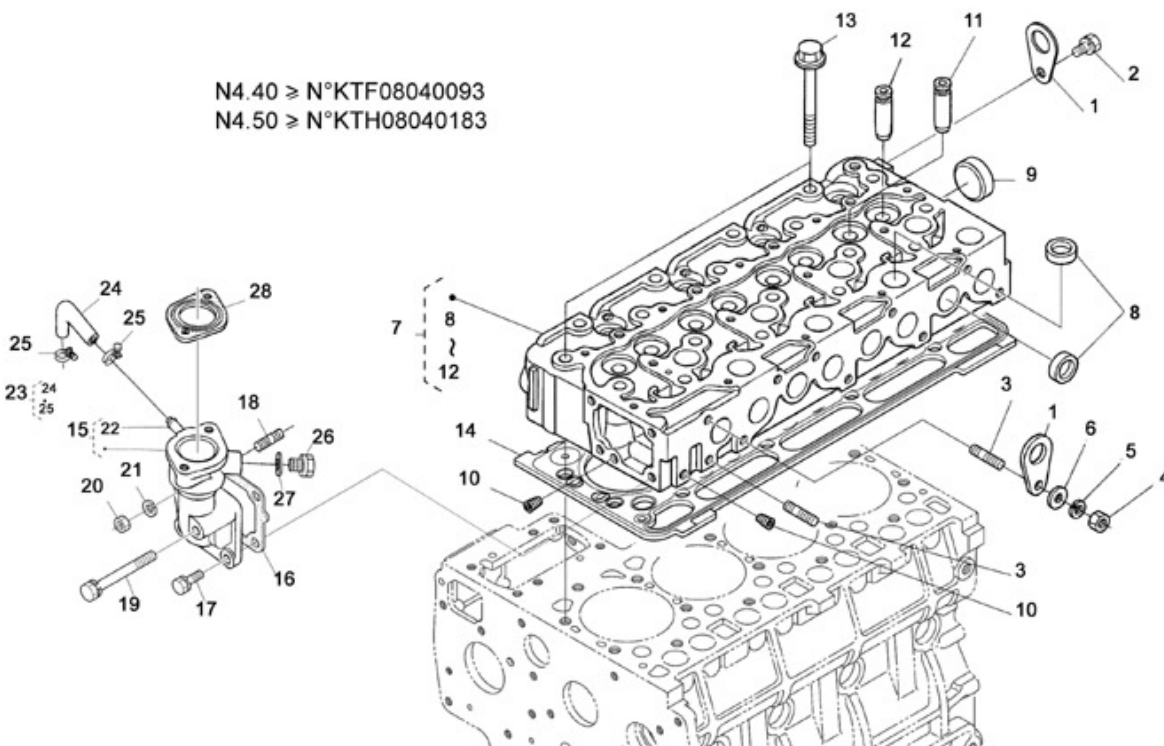
Part number	Item	Description	Quantity
970314276	18	COLLAR, VALVE SEAT	1
970301931	19	FLANGE, WATER RETURN	1
970302074	19	SPRING	1
970301932	20	GASKET, FLANGE W/RETURN	1
970302075	20	SEAT, VALVE	1
970302076	21	BEARING, BALL	1
970491536	21	BOLT, M 6X 20	3
970301931	22	FLANGE, WATER RETURN	1
970490222	22	COVER, INJ. TIMING	1
970301932	23	GASKET, FLANGE W/RETURN	1
970312956	23	GASKET, HOUR METER	1
970490224	24	STUD	4
970491536	24	BOLT, M 6X 20	3
970151133	25	NUT, M 6	4
970490224	25	STUD	4
970151133	26	NUT, M 6	4
970310417	26	WASHER, SPRING	4
970310417	27	WASHER, SPRING	4
970603003	27	FILTER, ELEMENT OIL 4.180/90	1
970603003	28	FILTER, ELEMENT OIL 4.180/90	1



Model : N4.50 STANDARD ENGINE

Subassembly : CYLINDER HEAD

N4.40 ≥ N°KTF08040093
N4.50 ≥ N°KTH08040183



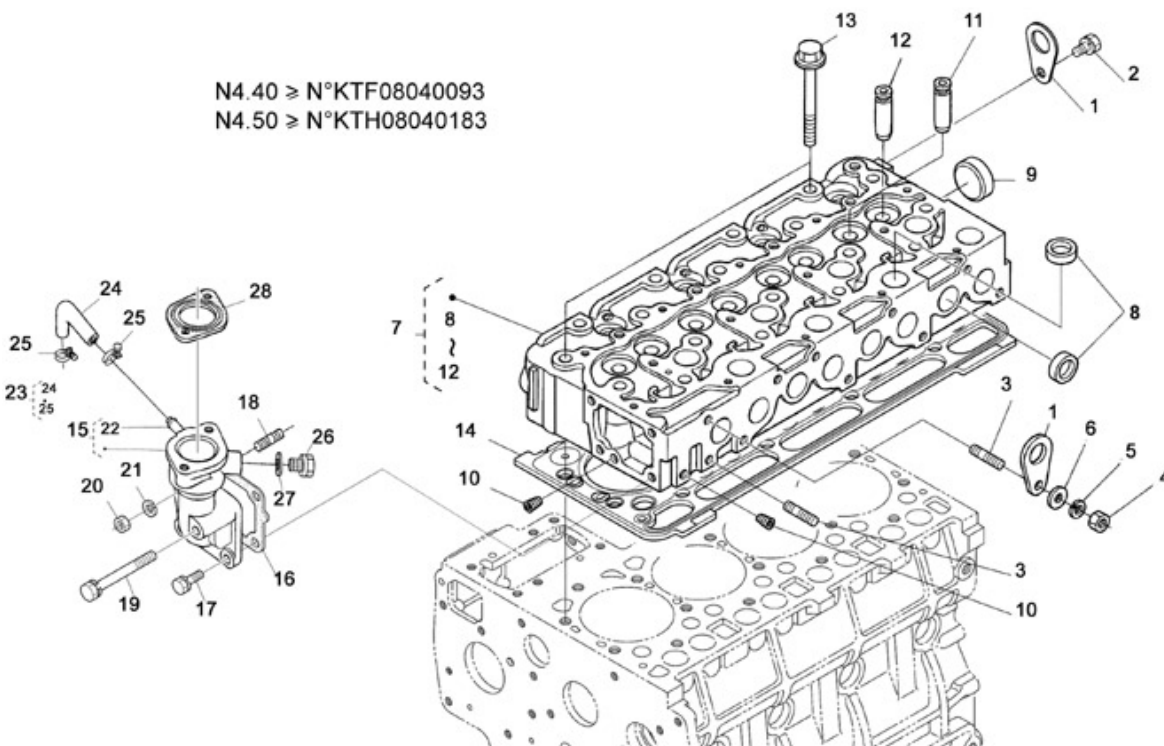
Part number	Item	Description	Quantity
970307296	1	HOOK,ENGINE	1
970490901	1	HOOK,ENGINE 2.60-3.90-4.110	2
970490901	2	HOOK,ENGINE 2.60-3.90-4.110	1
970490919	2	BOLT,M 8X 16	1
970301935	3	STUD	2
970490919	3	BOLT,M 8X 16	1
970312986	4	STUD	2
970490903	4	NUT,M 8	1
970490903	5	NUT,M 8	1
970490904	5	WASHER,SPRING D 8	1
970301933	6	WASHER,PLAIN D 8	1
970490904	6	WASHER,SPRING D 8	1
970301933	7	WASHER,PLAIN D 8	1
970315063	7	COMP.CYLINDER HEAD	1
970301937	8	CAP,FREEZE	12
970307302	8	COMP.CYLINDER HEAD	1
970301937	9	CAP,FREEZE	12
970301938	9	CAP,FREEZE	1
970140908	10	PLUG, CYL.HEAD 2.40	2
970301938	10	CAP,FREEZE	1
970140908	11	PLUG, CYL.HEAD 2.40	2
970301939	11	GUIDE,VALVE INTAKE 4.190	4
970301939	12	GUIDE,VALVE INTAKE 4.190	4
970301940	12	GUIDE,VALVE EXHAUST	4
970301940	13	GUIDE,VALVE EXHAUST	4
970307298	13	BOLT,CYLINDER HEAD	18
970313182	14	VALVE SEAT	4
970315064	14	GASKET,CYLINDER HEAD 1,15	1
970315065	14	GASKET,CYLINDER HEAD 1,20	1
970315066	14	GASKET,CYLINDER HEAD 1,25	1
970315067	14	GASKET,CYLINDER HEAD 1,30	1
970315068	14	GASKET,CYLINDER HEAD 1,35	1
970312990	15	COMP.FLANGE,WATER	1
970313183	15	VALVE SEAT	4



Model : N4.50 STANDARD ENGINE

Subassembly : CYLINDER HEAD

N4.40 ≥ N°KTF08040093
N4.50 ≥ N°KTH08040183

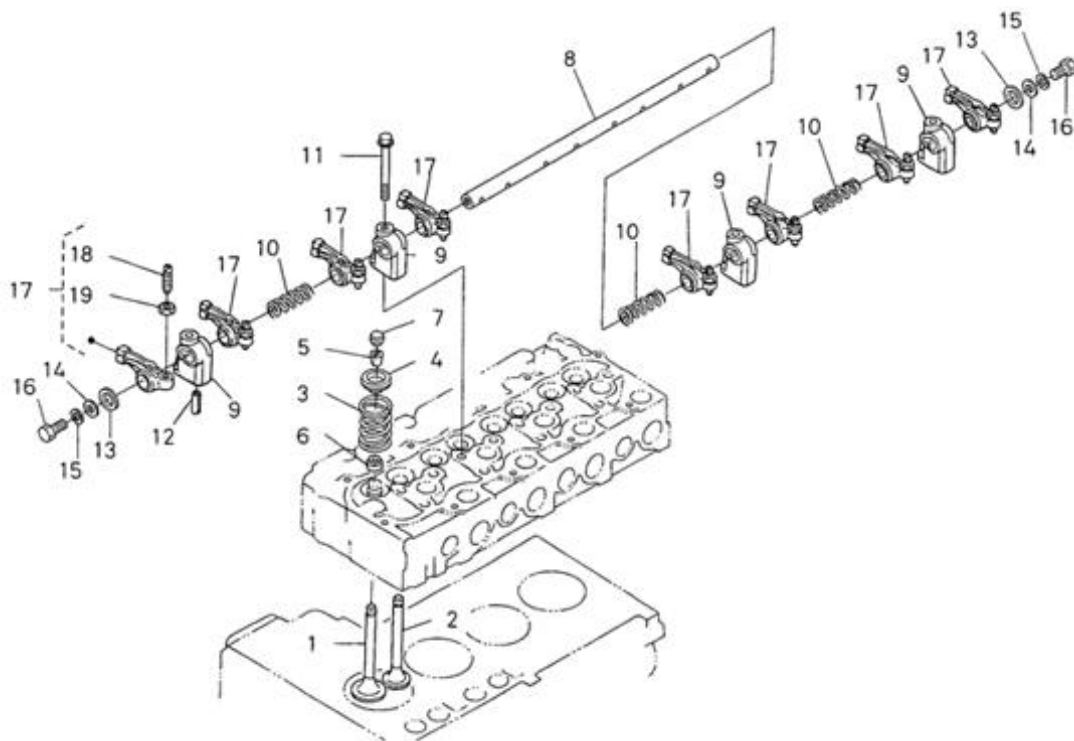


Part number	Item	Description	Quantity
970302124	16	GASKET,WATER FLANGE	1
970307298	16	BOLT,CYLINDER HEAD	18
970307299	17	GASKET,CYL.HEAD NA	1
970312988	17	BOLT	2
970312986	18	STUD	1
970490116	18	O-RING	1
970312989	19	BOLT	1
970312990	19	COMP.FLANGE,WATER	1
970302124	20	GASKET,WATER FLANGE	1
970490903	20	NUT,M 8	1
970312988	21	BOLT	2
970490904	21	WASHER,SPRING D 8	1
970307535	22	HOSE	1
970312986	22	STUD	1
970307353	23	BOLT	1
970312991	24	HOSE,WATER RETURN	1
970490903	24	NUT,M 8	1
970302121	25	CLAMP,HOSE	2
970490904	25	WASHER,SPRING D 8	2
970307535	26	HOSE	1
970307896	26	PLUG	1
970312987	27	WASHER,WITH RUBBER	1
970312991	27	HOSE,WATER RETURN	1
970301730	28	GASKET,FLANGE	1
970302121	28	CLAMP,HOSE	2
970307896	29	PLUG	1
970312987	30	WASHER,WITH RUBBER	1
970301730	31	GASKET,FLANGE	1
970304054	32	TEMPERATURE SWITCH 1/8 1P 97	1



Model : N4.50 STANDARD ENGINE

Subassembly : VALVES AND SPRINGS

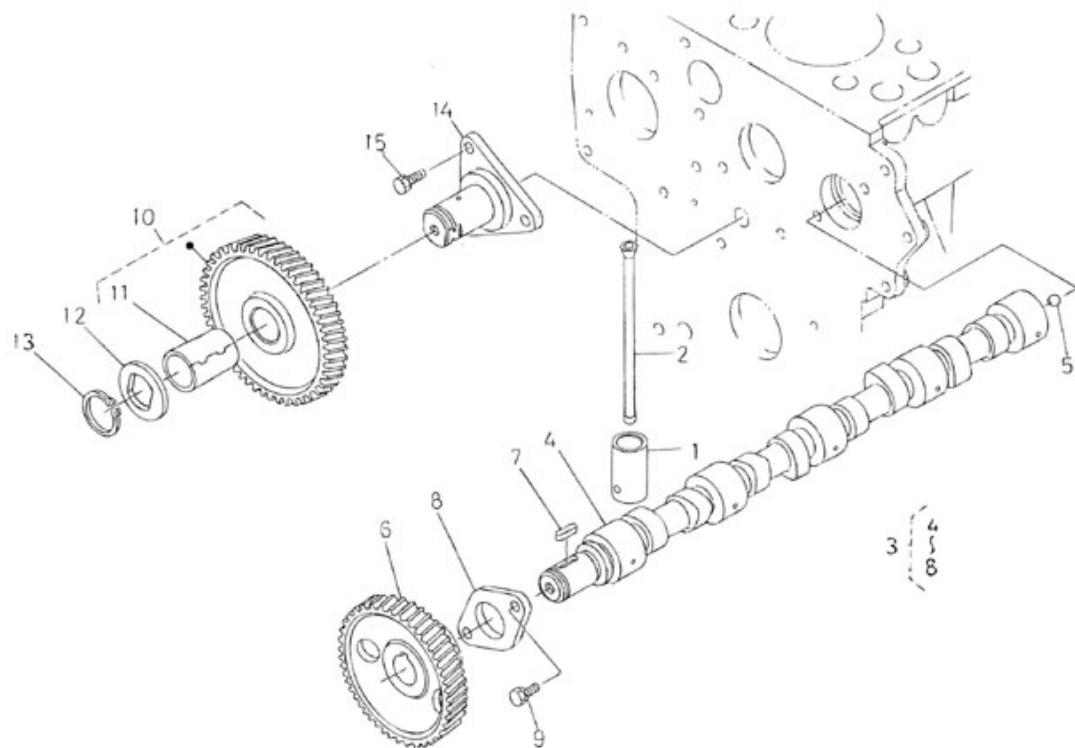


Part number	Item	Description	Quantity
970307772	1	VALVE,INLET	4
970315070	1	VALVE,INLET	4
970307400	2	VALVE,EXHAUST	4
970315071	2	VALVE,EXHAUST	4
970302005	3	SPRING,VALVE	8
970302006	4	RETAINER,VALVE SPRING	8
970302007	5	COLLET,VALVE SPRING	8
970302008	6	SEAL,VALVE STEM	8
970302009	7	CAP,VALVE	8
970312994	8	SHAFT,ROCKER ARM	1
970302012	9	BRACKET,ROCKER ARM	4
970302016	10	SPRING,ROCKER ARM	3
970313548	11	BOLT,FLANGE	4
970310494	12	PIN,SPRING	1
970302015	13	WASHER	2
970302025	14	WASHER,PLAIN D 8	2
970490904	15	WASHER,SPRING D 8	2
970312996	16	BOLT	2
970307402	17	ASSY ROCKER ARM	8
970302019	18	SCREW,ADJUSTING	8
970302021	19	NUT	8



Model : N4.50 STANDARD ENGINE

Subassembly : CAMSHAFT

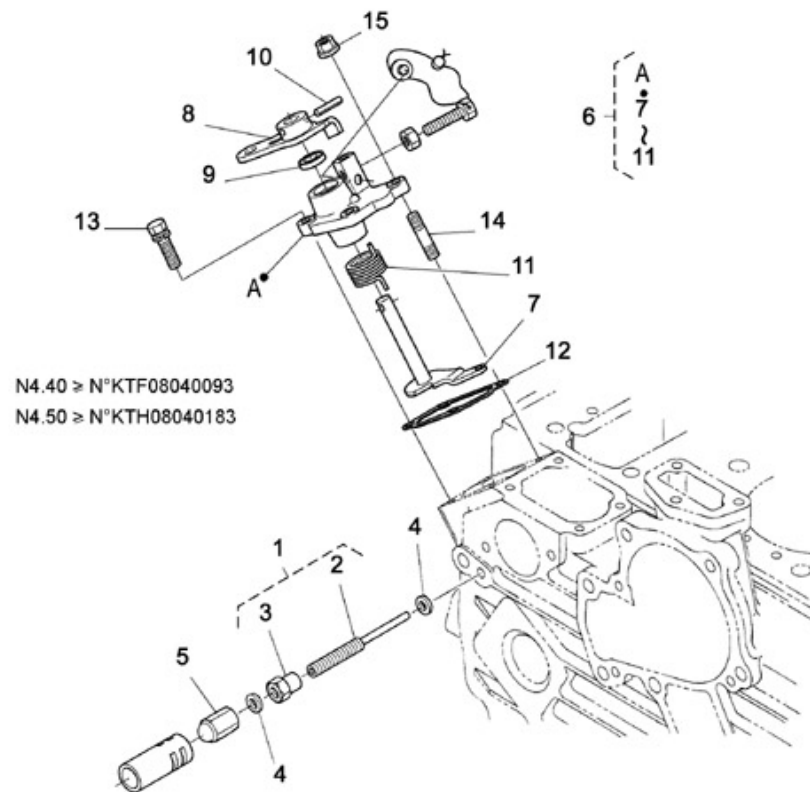


Part number	Item	Description	Quantity
970307317	1	TAPPET	8
970307318	2	ROD,PUSH	8
970307319	3	ASSY CAMSHAFT	1
970315072	3	ASSY CAMSHAFT	1
970302897	5	BEARING,BALL	1
970312998	6	GEAR,CAM	1
970301966	7	KEY,FEATHER	1
970302045	8	STOPPER,CAMSHAFT	1
970491134	9	BOLT,M 8X 18	2
970312999	10	COMP.GEAR,IDLE	1
970307322	11	BUSH,IDLE GEAR	1
970313000	11	BUSH,IDLE GEAR	1
970313001	12	COLLAR	1
970307929	13	CIR-CLIP,EXTERNAL	1
970314271	14	SHAFT,IDLE GEAR	1
970491134	15	BOLT,M 8X 18	3



Model : N4.50 STANDARD ENGINE

Subassembly : ACCELERATOR

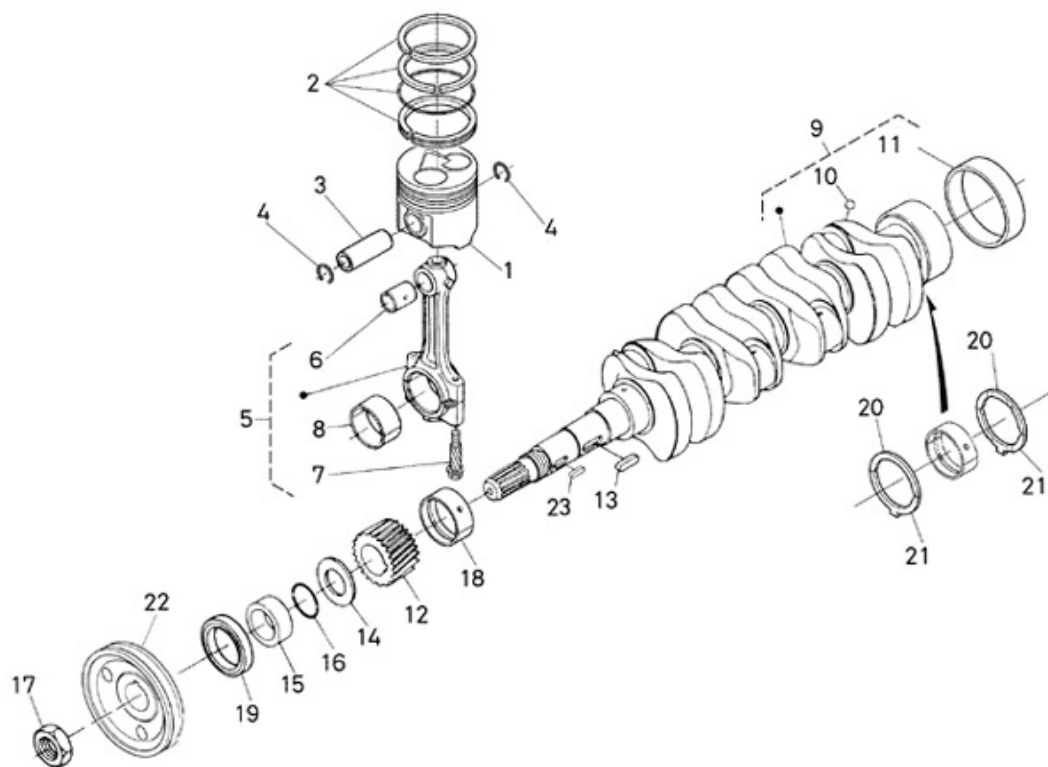


Part number	Item	Description	Quantity
970313003	1	ASSY BOLT,ADJUSTMENT	1
970140402	2	NUT	1
970315073	2	BOLT, ADJUSTING	1
970140402	3	NUT	1
970150403	3	RING,SEAL	2
970140504	4	NUT, CAP M8	1
970150403	4	RING,SEAL	2
970140504	5	NUT, CAP M8	1
970302023	5	LEVER,SPEED CONTROL	1
970143118	6	KEY,FEATHER	1
970313004	6	ASSY PLATE,CONTROL	1
970313005	7	COMP.LEVER,GOVERNOR	1
970314180	7	O RING	1
970302025	8	WASHER,PLAIN D 8	1
970313006	8	LEVER,SPEED CONTROL	1
970302026	9	NUT,M 8	2
970315085	9	SEAL,OIL	1
970310465	10	COLLAR	1
970303913	11	COVER,SPEED CONTROL 6.280	1
970313007	11	SPRING,RETURN	1
970302029	12	GASKET,COVER SPEED CONTROL	1
970314803	12	GASKET,PLATE	1
970491536	13	BOLT,M 6X 20	2
970490224	14	STUD	2
970310417	15	WASHER,SPRING	2
970313602	15	NUT,FLANGE	2
970151133	16	NUT,M 6	2



Model : N4.50 STANDARD ENGINE

Subassembly : CRANKSHAFT-PISTONS

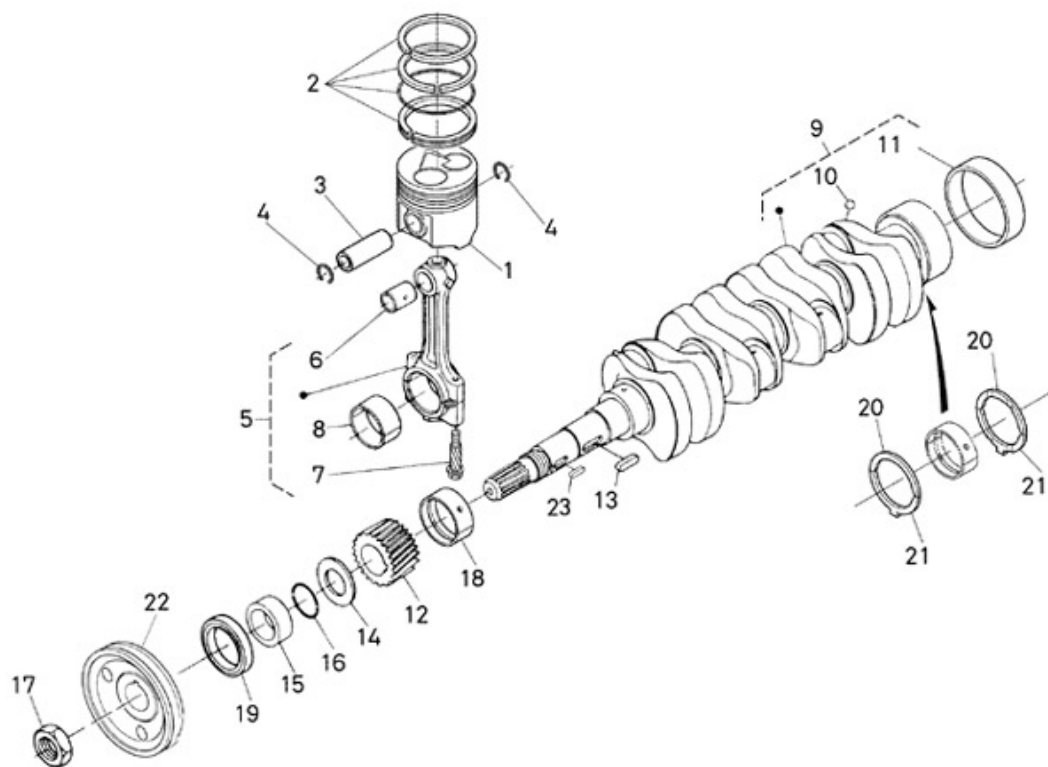


Part number	Item	Description	Quantity
970314241	1	PISTON	4
970314242	1	PISTON	4
970315075	1	PISTON STD	4
970315076	1	PISTON +0,25mm	4
970307329	2	ASSY RING,PISTON	4
970307330	2	ASSY RING,PISTON 05	4
970315077	2	ASSY PISTON RING STD	4
970315078	2	ASSY PISTON RING +0,25mm	4
970307331	3	PIN,PISTON	4
970307332	4	CLIP,PISTON PIN	8
970313013	4	CIR CLIP,INTERNAL	8
970307333	5	ASSY ROD,CONNECTING	4
970307334	6	BUSH,PISTON PIN	4
970301934	7	BOLT,CONN.ROD	8
970307335	8	METAL,CRANK PIN	4
970307336	8	METAL,CRANK PIN 02	4
970307337	8	METAL,CRANK PIN 04	4
970313016	9	COMP.CRANKSHAFT	1
970314243	9	COMP.CRANKSHAFT	1
970302897	10	BEARING,BALL	4
970301962	11	SLEEVE,CRANKSHAFT	1
970301965	12	GEAR,CRANKSHAFT	1
970313017	12	GEAR,CRANKSHAFT	1
970301966	13	KEY,FEATHER	1
970313018	13	KEY,FEATHER	1
970301967	14	SLINGER,OIL	1
970301968	15	COLLAR,CRANKSHAFT	1
970301969	16	O-RING	1
970301970	17	NUT,CRANKSHAFT	1
970313019	18	METAL,CRANKSHAFT	1
970313020	18	METAL,CRANKSHAFT	1
970313021	18	METAL,CRANKSHAFT	1
970310539	19	SEAL,OIL	1
970313025	20	METAL,SIDE	2



Model : N4.50 STANDARD ENGINE

Subassembly : CRANKSHAFT-PISTONS

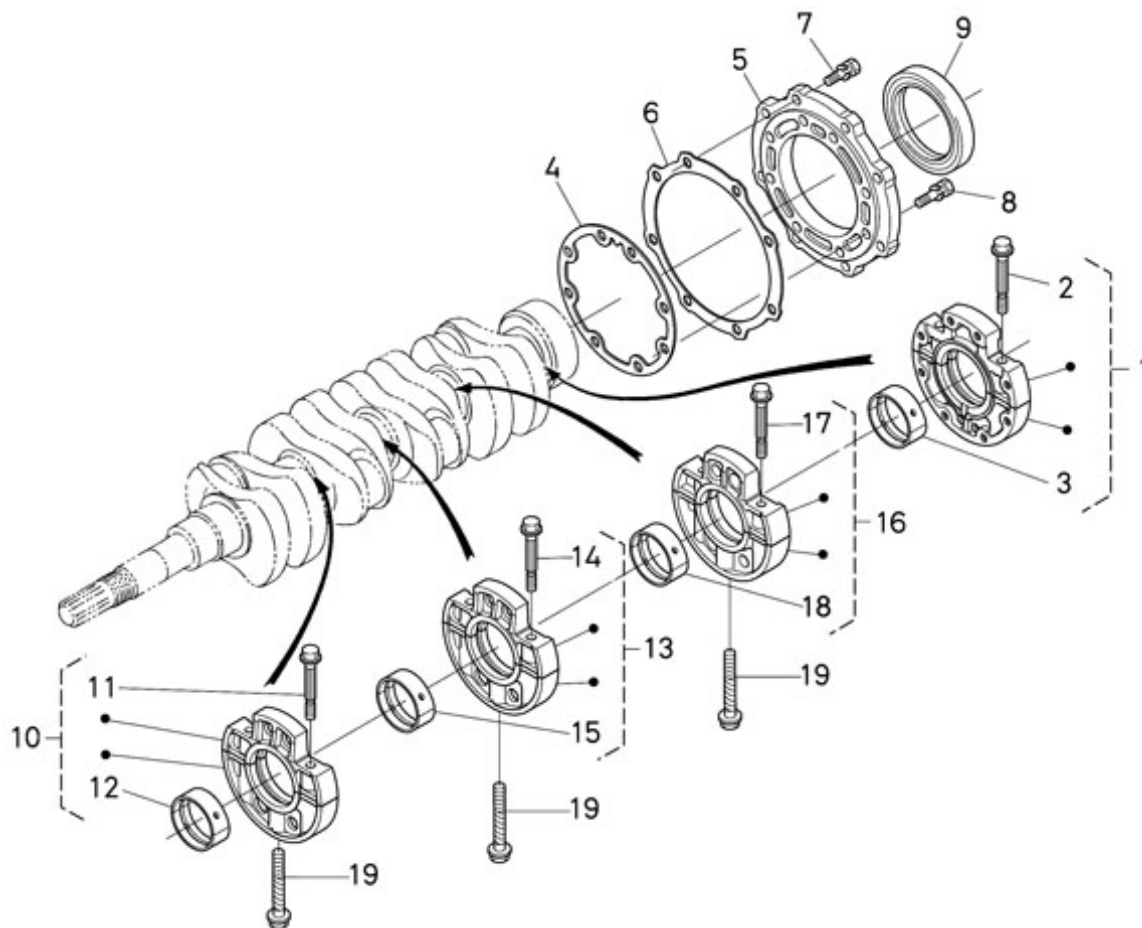


Part number	Item	Description	Quantity
970313026	20	METAL,SIDE	2
970313027	20	METAL,SIDE	2
970313028	21	METAL,SIDE	2
970313029	21	METAL,SIDE	2
970313030	21	METAL,SIDE	2
970302077	22	PULLEY,CRANKSHAFT 4.190 STD.	1
970313031	22	PULLEY,FAN DRIVE	1
970301966	23	KEY,FEATHER	1



Model : N4.50 STANDARD ENGINE

Subassembly : CRANKSHAFT-BEARINGS

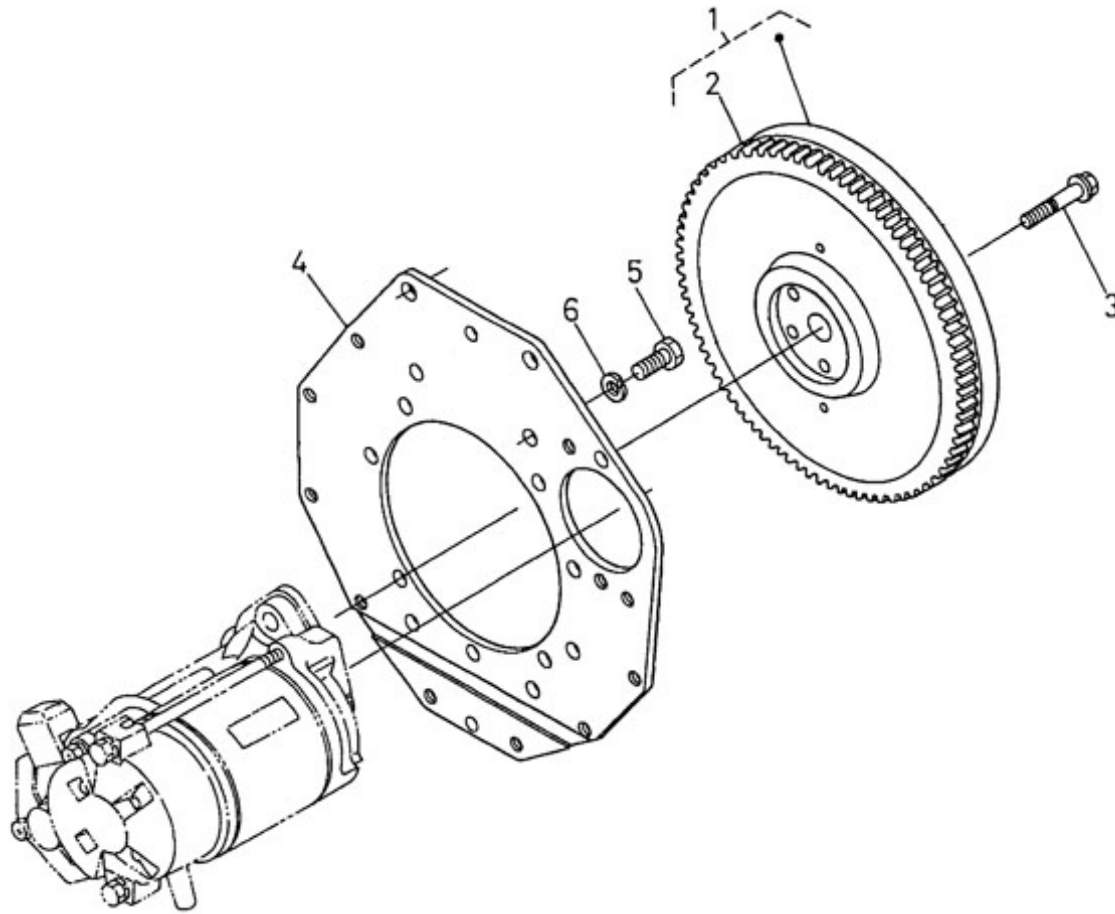


Part number	Item	Description	Quantity
970313437	1	ASSY BRG.CASE,MAIN	1
970313033	2	BOLT,BEARING CASE	2
970313022	3	METAL,CRANKSHAFT	1
970313023	3	METAL,CRANKSHAFT	1
970313024	3	METAL,CRANKSHAFT	1
970307310	4	GASKET,BRG.CASE NA	1
970314277	5	COVER,BEARING CASE	1
970310427	6	GASKET NA	1
970147402	7	BOLT,M 8X 25	8
970301986	8	BOLT,M 8X 28	8
970301987	9	SEAL,OIL	1
970313438	10	ASSY BRG.CASE,MAIN	1
970313033	11	BOLT,BEARING CASE	2
970313022	12	METAL,CRANKSHAFT	1
970313023	12	METAL,CRANKSHAFT	1
970313024	12	METAL,CRANKSHAFT	1
970313439	13	ASSY BRG.CASE,MAIN	1
970313033	14	BOLT,BEARING CASE	2
970313022	15	METAL,CRANKSHAFT	1
970313023	15	METAL,CRANKSHAFT	1
970313024	15	METAL,CRANKSHAFT	1
970313504	16	ASSY BRG.CASE,MAIN	1
970313033	17	BOLT,BEARING CASE	2
970313022	18	METAL,CRANKSHAFT	1
970313023	18	METAL,CRANKSHAFT	1
970313024	18	METAL,CRANKSHAFT	1
970307316	19	BOLT,BEARING CASE	3



Model : N4.50 STANDARD ENGINE

Subassembly : FLYWHEEL

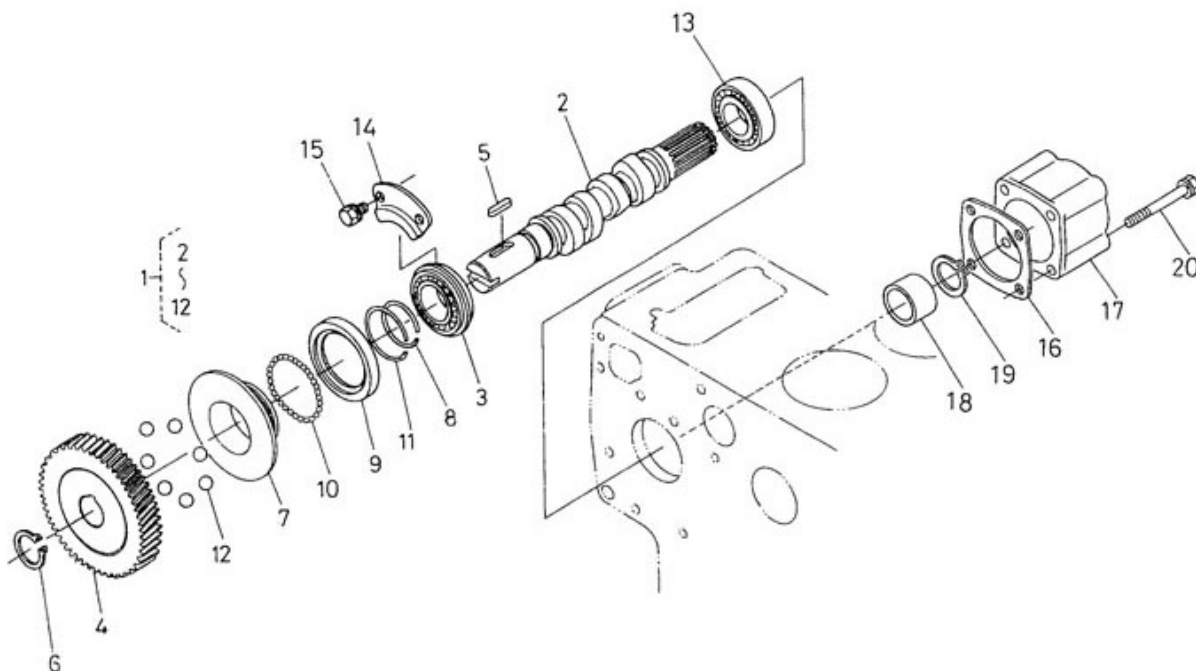


Part number	Item	Description	Quantity
970301627	1	FLYWHEEL,CPL.4.190	1
970313046	2	GEAR,RING	1
970302396	3	BOLT,FLYWHEEL	6
970301626	4	PLATE,REAR END 4.190	1
970313048	5	BOLT	11
970302068	6	WASHER,SPRING D10	11



Model : N4.50 STANDARD ENGINE

Subassembly : CAMSHAFT INJECTION PUMP



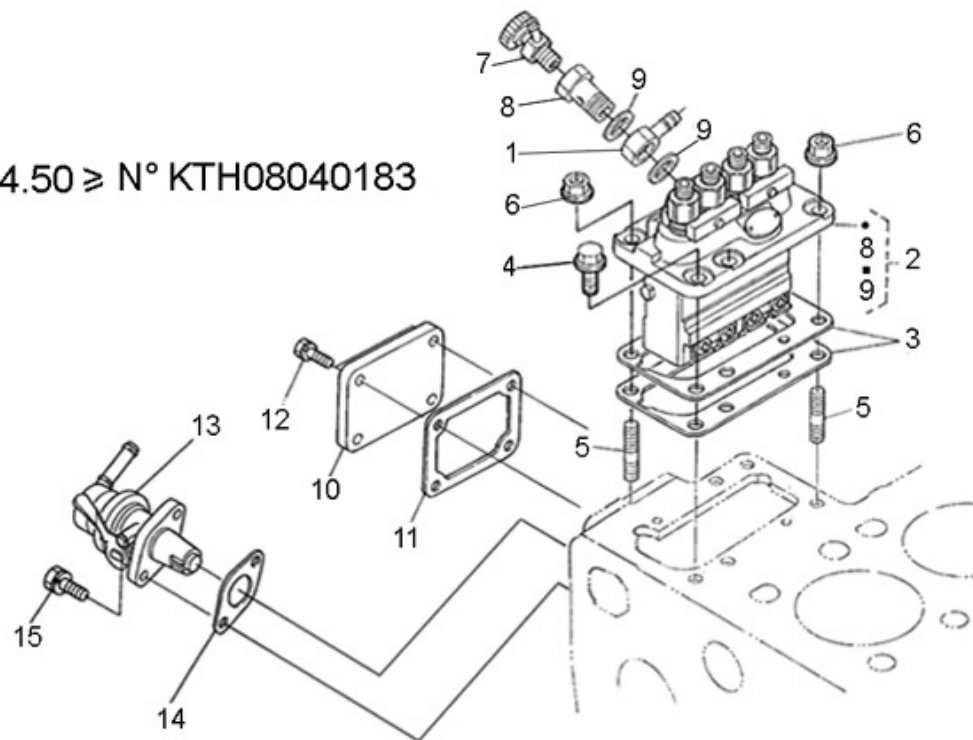
Part number	Item	Description	Quantity
970307349	1	ASSY FUEL CAMSHAFT	1
970312500	3	BEARING, BALL	1
970307351	4	GEAR,INJECTION PUMP	1
970312501	5	KEY, FEATHER	1
970302097	6	CIR-CLIP,EXTERNAL	1
970307352	7	SLEEVE,GOVERNOR	1
970302099	8	CIR-CLIP,GOVERNOR SLEEVE	1
970303929	9	CASE,GOVERNOR BALL	1
970492130	10	BEARING,BALL FUEL CAMSHAFT	39
970302100	11	CIR-CLIP,GOVERNOR BALL CASE	1
970303930	12	BEARING,BALL	7
970315079	13	BEARING,BALL	1
970302106	14	STOPPER,FUEL CAMSHAFT	1
970313311	15	BOLT	2
970315080	16	GASKET	1
970303931	17	COVER,FUEL CAMSHAFT	1
970302064	18	BUSHING,COVER CAMSHAFT	1
970302066	19	CIR-CLIP,EXTERNAL	1
970312989	20	BOLT	4



Model : N4.50 STANDARD ENGINE

Subassembly : INJECTION AND FEED PUMP

N4.50 ≥ N° KTH08040183



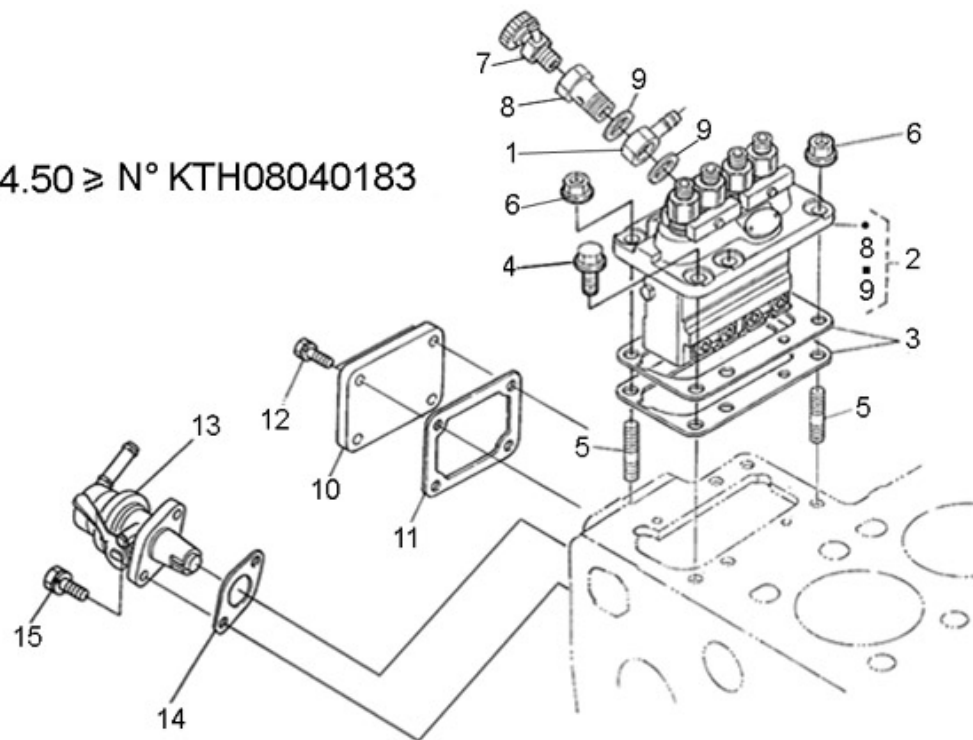
Part number	Item	Description	Quantity
970310456	1	JOINT,EYE	1
970314275	1	ASSY PUMP,INJECTION	1
970302107	2	SCREW,INJ.PUMP	1
970315083	2	ASSY PUMP,INJECTION	1
970302086	3	SHIM,INJECTION PUMP 4.190	1
970302412	3	SHIM,INJECTION PUMP 0.45	1
970307379	3	WASHER,NIPPLE	2
970313052	3	SHIM,INJECTION PUMP	1
970315081	3	SHIM,INJECTION PUMP 0,175mm	1
970302086	4	SHIM,INJECTION PUMP 4.190	1
970302412	4	SHIM,INJECTION PUMP 0.45	1
970313052	4	SHIM,INJECTION PUMP	1
970313545	4	BOLT,FLANGE	4
970312986	5	STUD	2
970492138	5	BOLT,M 8X 22	4
970310780	6	NUT,FLANGE	2
970312986	6	STUD	2
970307368	7	ASSY COCK,JET START	1
970490903	7	NUT,M 8	2
970302107	8	SCREW,INJ.PUMP	1
970490904	8	WASHER,SPRING D 8	2
970307368	9	ASSY COCK,JET START	1
970307379	9	WASHER,NIPPLE	2
970310456	10	JOINT,EYE	1
970313054	10	COVER,INJ.PUMP	1
970307396	11	PUMP,FUEL FEED	1
970310448	11	GASKET,PUMP COVER NA	1
970307110	12	COMP.DIAPHRAGM NA	1
970491117	12	BOLT,M 6X 16	4
970307768	13	ASSY PUMP,FUEL	1
970313055	13	GASKET,FUEL PUMP	1
970313055	14	GASKET,FUEL PUMP	1
970492513	14	STUD, M 6X 16	2
970151133	15	NUT,M 6	2



Model : N4.50 STANDARD ENGINE

Subassembly : INJECTION AND FEED PUMP

N4.50 ≥ N° KTH08040183

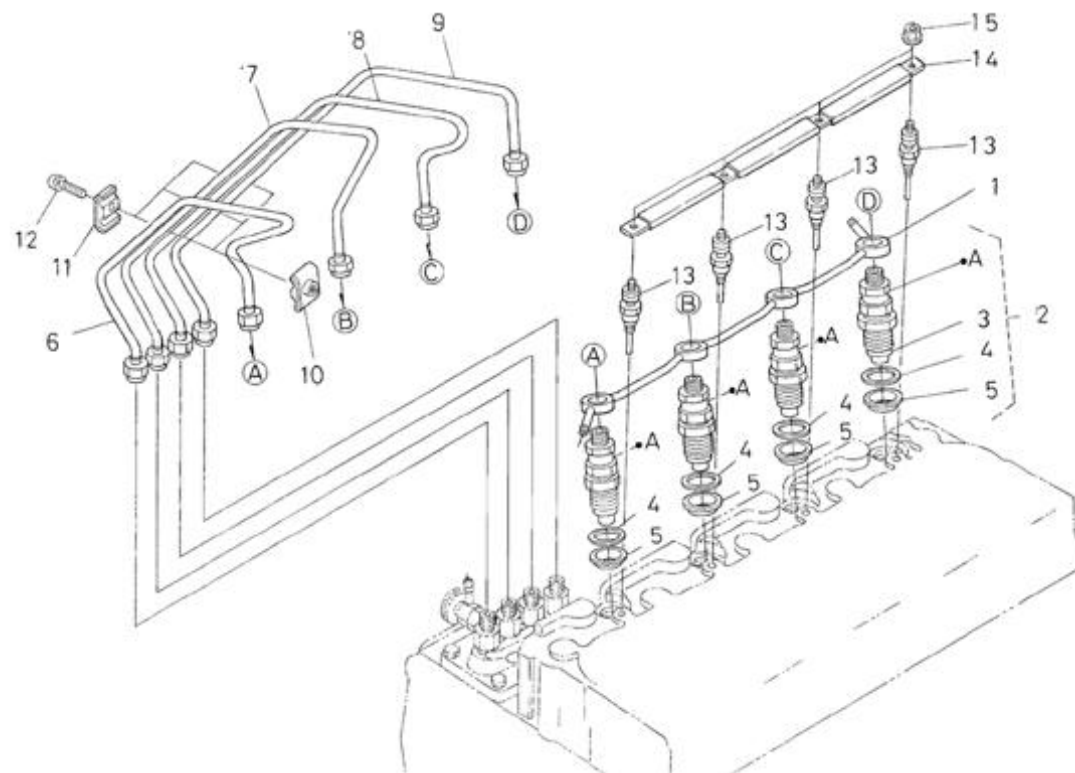


Part number	Item	Description	Quantity
970491117	15	BOLT,M 6X 16	2
970310417	16	WASHER,SPRING	2



Model : N4.50 STANDARD ENGINE

Subassembly : INJECTION NOZZLES AND PIPES

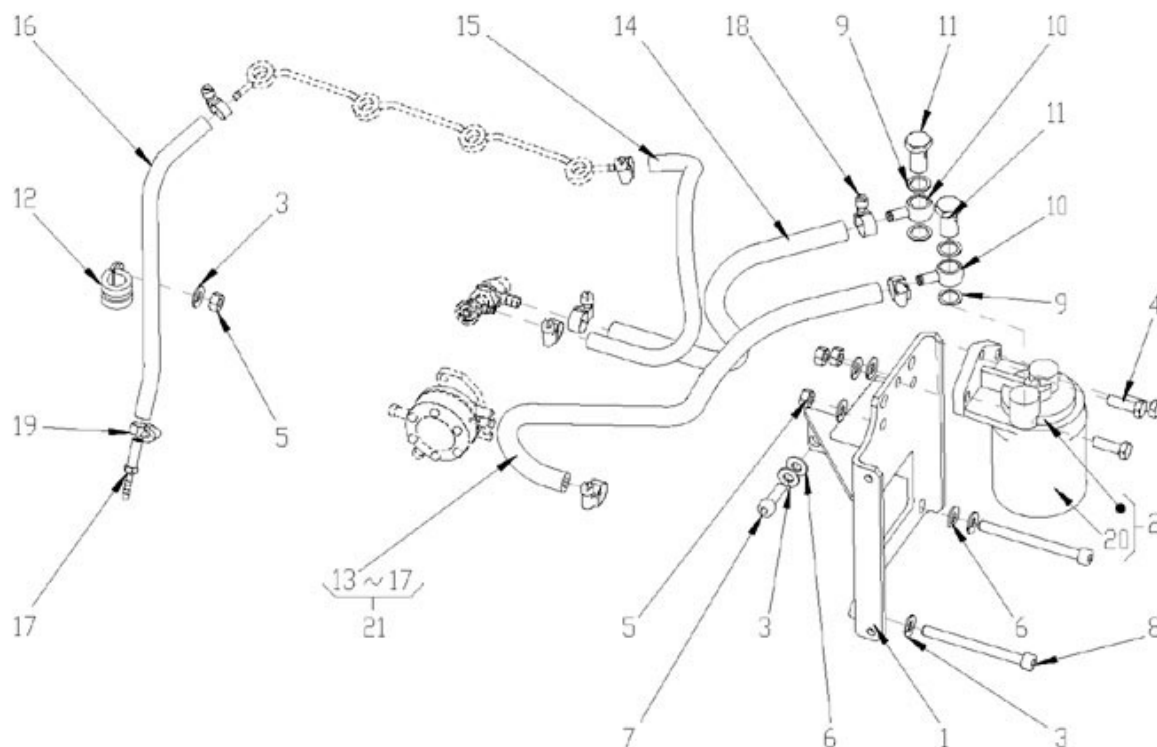


Part number	Item	Description	Quantity
970310414	1	HOSE	1
970307760	2	KIT,NOZZLE HOLDER	4
970307766	3	PIECE,NOZZLE	4
970142109	4	GASKET, RING INJECTORS	4
970307388	5	SEAL,HEAT	4
970307389	6	INJECTION PIPE	1
970307390	7	INJECTION PIPE	1
970307391	8	INJECTION PIPE	1
970307392	9	INJECTION PIPE	1
970142114	10	CLAMP,FUEL LINES 1+2	3
970142115	11	CLAMP,FUEL-LINES 1+2	3
970492118	12	SCREW,M 5X 20 ROUND HEAD	3
970307393	13	GLOW PLUG	4
970307394	14	CORD,GLOW PLUG	1
970307593	15	NUT,FLANGE	4
970307594	16	WASHER,PLAIN	4



Model : N4.50 STANDARD ENGINE

Subassembly : FUEL FILTER



Part number	Item	Description	Quantity
970302677	1	SUPP,FUELFILTER-OILEXTR.4.190,	1
970310210	2	FILTER ASSY	1
970119138	3	WASHER,SPRING D 8	7
970409603	4	BOLT,HEX M 8X 25	3
970027322	5	NUT,M 8	3
970027323	6	WASHER,PLAIN D 8	2
970498003	7	BOLT,SOCK M 8X 25	1
39160632	8	BOLT	2
970300306	9	GASKET,RING D14	4
970301093	10	CONNECTION,BANJO D=6/M14	2
970432515	11	BOLT,BANJO M14X1,5	2
970301182	12	CLAMP,PIPE D12 D=8	1
32808002	13	FUEL HOSE ISO 7840 D8	0
32808002	14	FUEL HOSE ISO 7840 D8	0
32805001	15	HOSE	0
32805001	16	HOSE	0
970302476	17	PIPE,FUEL CONN.D 8	1
970439306	18	CLAMP	4
970439306	19	CLAMP	4
970622350	20	FILTER,FUEL	1
48878005	21	HOSE	1



Subassembly : REGULATOR ADJUSTMENT

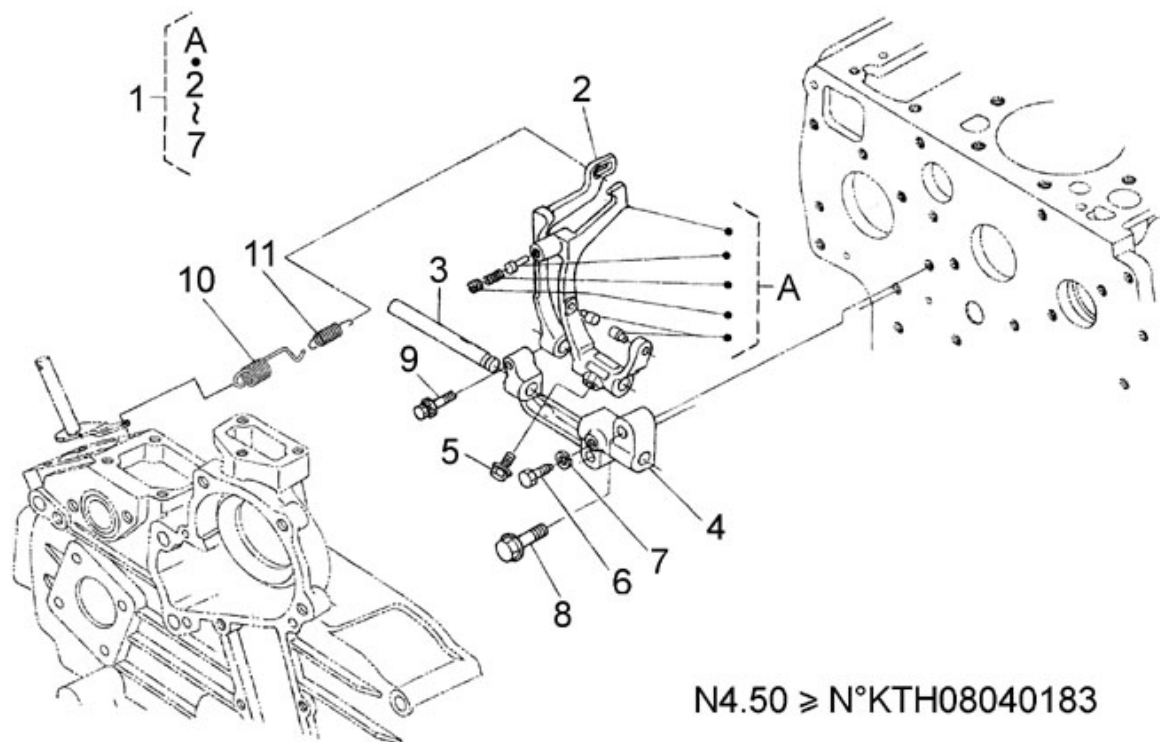
BEFORE N°KTH08040183

Diagram illustrating the assembly of a mechanical component, showing various parts numbered 1 through 17. The diagram is divided into two sections: a main assembly view on the left and a detail view on the right. The main assembly view shows a housing (1) with a piston rod (3) and a piston (4) connected to a connecting rod (6). The connecting rod is attached to a crankshaft (7) via a crank pin (8). The crankshaft is secured by a crank pin nut (13) and a crank pin lock (9). The crank pin lock is secured by a crank pin lock nut (10), a crank pin lock washer (11), and a crank pin lock pin (12). The crank pin lock pin is secured by a crank pin lock pin nut (16) and a crank pin lock pin washer (17). The crank pin lock pin lock (14) is also shown. The detail view on the right shows a close-up of the piston rod (3) and piston (4) assembly, with parts 1, 2, 3, 4, 5, and 6 labeled.

Part number	Item	Description	Quantity
970307354	1	APPARATUS,IDLING	1
970307356	2	ASSY BOLT,ADJUSTING	1
970314191	2	ASSY BOLT,ADJUSTMENT	1
970303906	3	NUT	1
970307355	4	NUT,CAP	1
970491131	5	WASHER,SEAL	2
970302069	6	CAP	1
970307942	7	ASSY LEVER,ENG.STOP	1
970307358	8	COVER,INJECTION PUMP	1
970307944	9	SHAFT,LEVER	1
970307360	10	LEVER,ENGINE STOP	1
970302861	11	SEAL,OIL	1
970307361	13	SPRING,RETURN	1
970310448	14	GASKET,PUMP COVER NA	1
970490119	15	BOLT,M 6X 18	2
970141537	16	BOLT, M6X22	2
970141326	17	WASHER, PLAIN D6	2

Model : N4.50 STANDARD ENGINE

Subassembly : SPEED REGULATOR



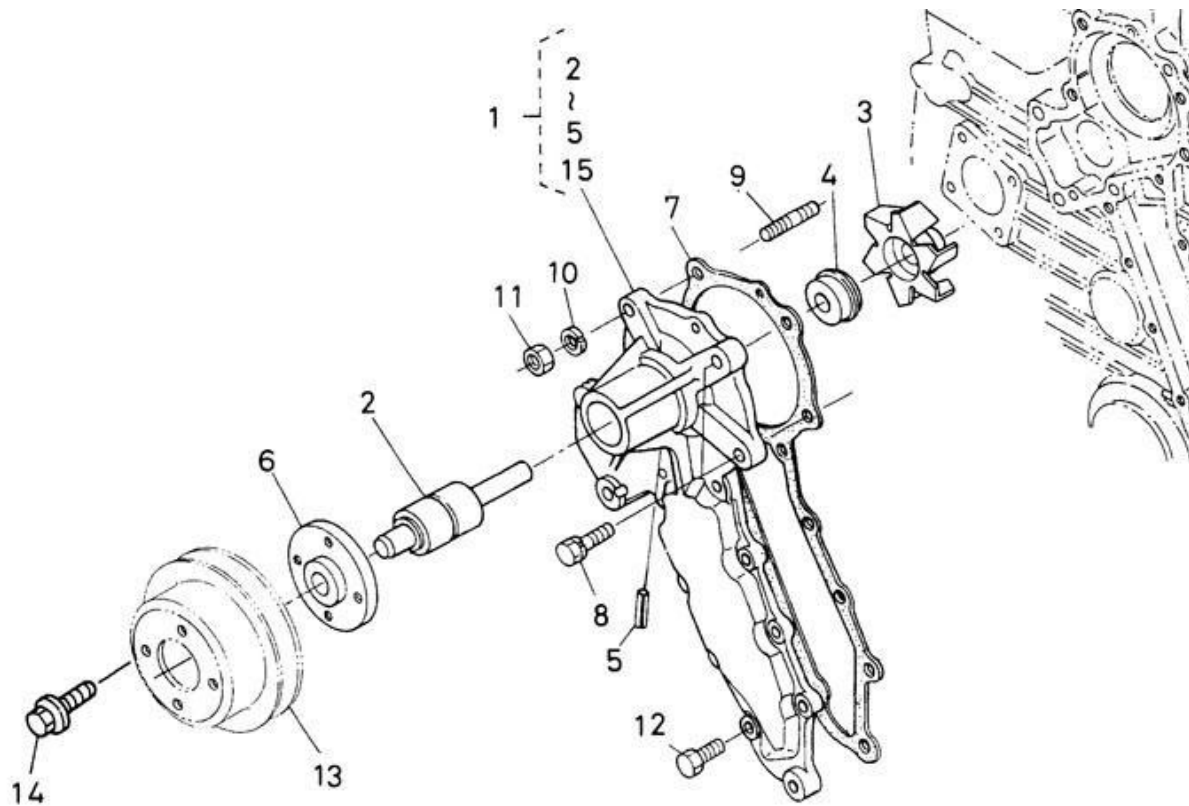
N4.50 ≥ N°KTH08040183

Part number	Item	Description	Quantity
970302030	1	LEVER,GOVERNOR	1
970313073	1	ASSY LEVER,FORK	1
970307380	2	ASSY LEVER,FORK	1
970313074	2	LEVER,FORK	1
970307382	3	LEVER,FORK	1
970313075	3	SHAFT,FORK LEVER	1
970302036	4	SUPPORT,FORK LEVER	1
970313075	4	SHAFT,FORK LEVER	1
970313656	5	BOLT,FLANGE	1
970310417	6	WASHER,SPRING	1
970490520	6	BOLT	1
970302036	7	SUPPORT,FORK LEVER	1
970310417	7	WASHER,SPRING	1
970313569	8	BOLT,FLANGE	2
970490520	8	BOLT	1
970313076	9	BOLT	1
970313569	9	BOLT,FLANGE	2
970313076	10	BOLT	1
970313077	10	SPRING,GOVERNOR	1
970303921	11	SPRING,START	1
970313078	11	SPRING,GOVERNOR	1
970307383	12	SPRING	1
970307384	13	SPRING.GOVERNOR 2	1



Model : N4.50 STANDARD ENGINE

Subassembly : FRESH WATER PUMP

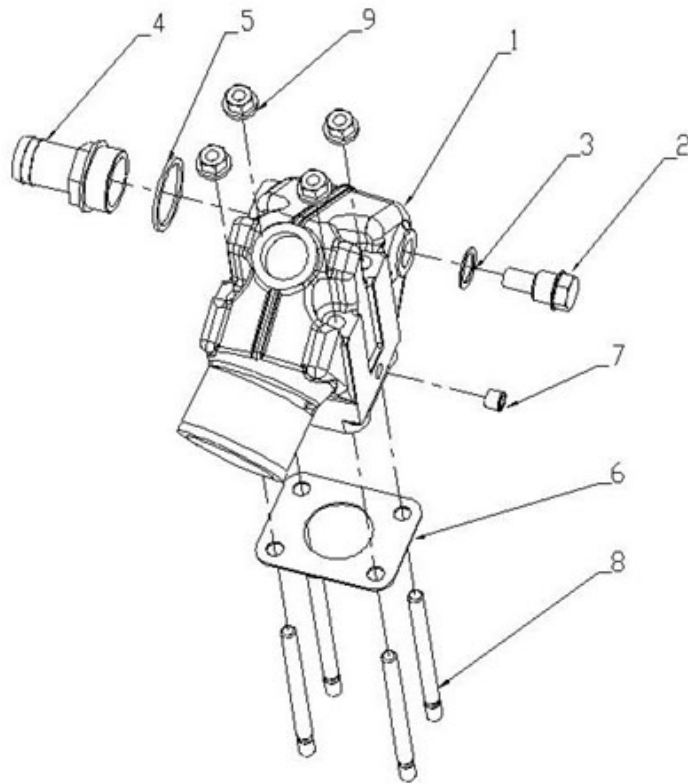


Part number	Item	Description	Quantity
970302110	1	PUMP,F/WATER CPL.4.190	1
970315086	1	ASSY PUMP,WATER	1
970302109	2	BEARING,SHAFT W/PUMP	1
970313081	3	IMPELLER,WATER PUMP	1
970310488	4	ASSY SEAL,MECHANICAL	1
970314272	5	PIN,SPRING	1
970313082	6	FLANGE,W/PUMP SHAFT	1
970302117	7	GASKET,WATER PUMP 4.190	1
970313084	7	GASKET,WATER PUMP	1
970301986	8	BOLT,M 8X 28	2
970302118	9	STUD	2
970490904	10	WASHER,SPRING D 8	2
970490903	11	NUT,M 8	2
970490119	12	BOLT,M 6X 18	8
970307398	13	PULLEY	1
39160735	14	BOLT	4
970315087	15	BODY, WATER PUMP	1



Model : N4.50 STANDARD ENGINE

Subassembly : EXHAUST ELBOW

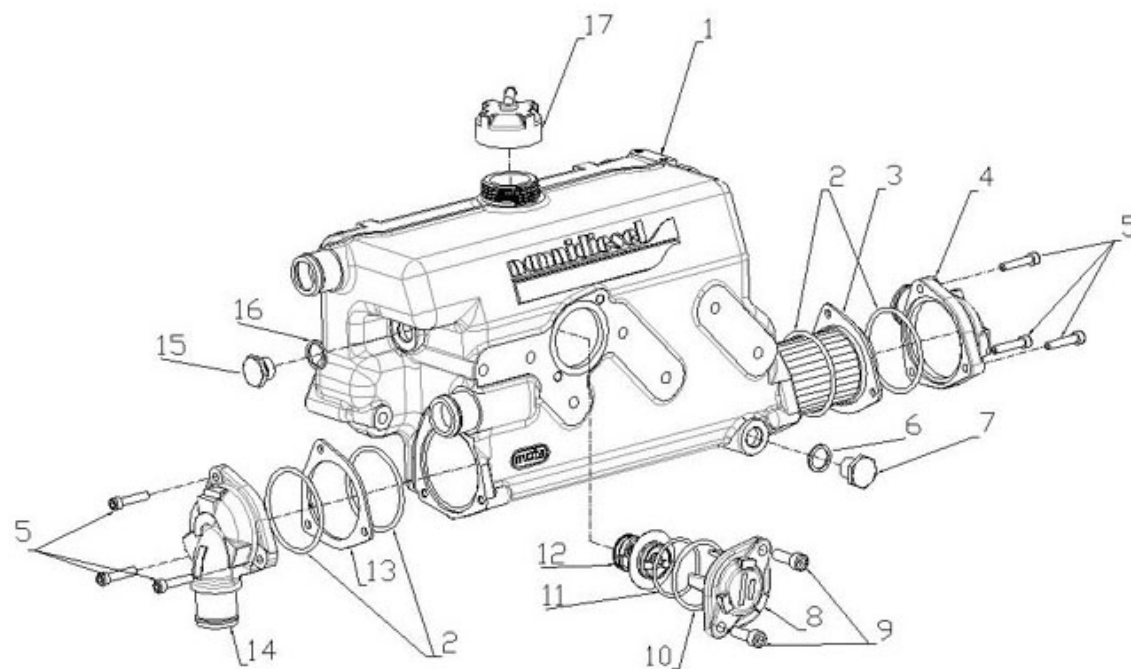


Part number	Item	Description	Quantity
665700070DPR	1	MIXER	1
970494635	2	ANODE,ZINC CPL M16X1,5	1
970300199	3	GASKET,RING D16	1
655402075	4	BARBED END BRASS FITTING 1-25	1
48410090	5	GASKET	1
970310501	6	GASKET NA	1
970307265	7	PLUG,HEX 1/8	1
39020445	8	STUD M8X95,J16,8.8,ZN	4
39460916	9	NUT	4



Model : N4.50 STANDARD ENGINE

Subassembly : HEAT EXCHANGER - DETAILS

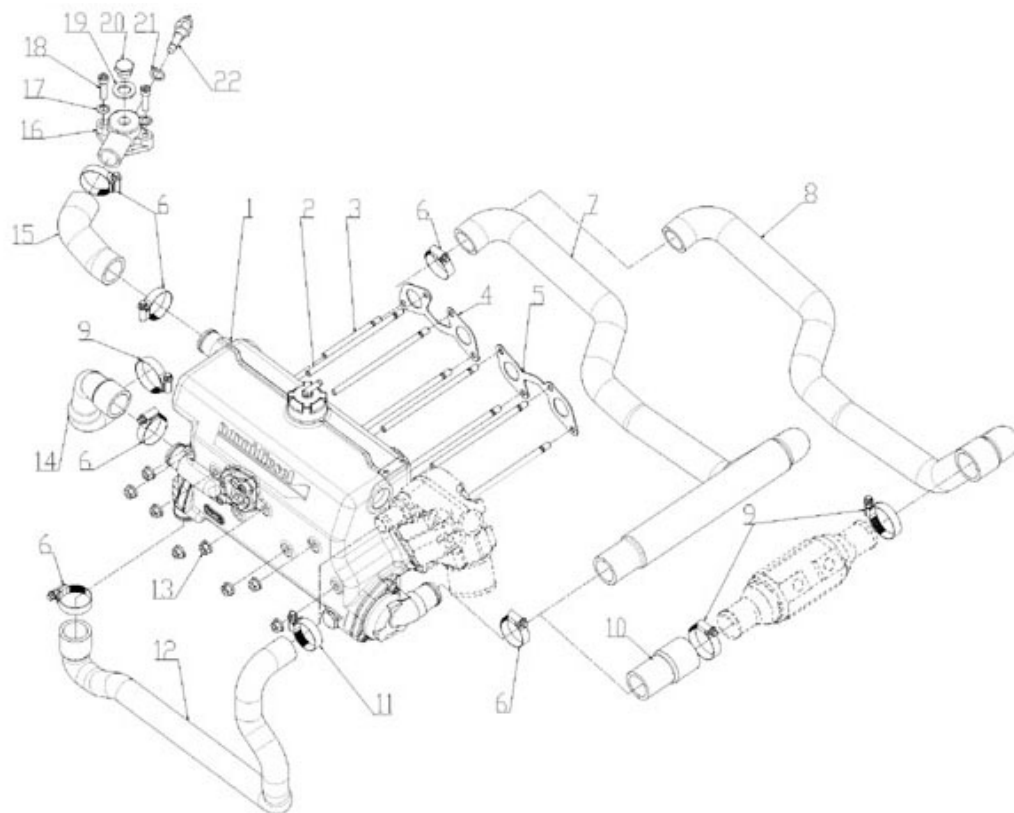


Part number	Item	Description	Quantity
48300425	1	HOUSING,HEATEXCHANGER	1
48418183	2	O RING	4
48300415	4	COVER, WATER INLET	1
970634037	5	BOLT,SOCK M 6X 30	6
970300289	6	GASKET,RING D17	1
970639853	7	""PLUG,HEX 3/8""G""	1
970313178	8	COVER	1
970498003	9	BOLT,SOCK M 8X 25	2
48418185	10	O RING	1
48418184	11	O RING	1
970313177	12	THERMOSTAT	1
95312333	13	SPACER	1
48300414	14	COVER, WATER OUTLET	1
41169801	15	PLUG	1
970300364	16	GASKET,RING D18	1
970313176	17	FILLING PRESSURE CAP	1



Model : N4.50 STANDARD ENGINE

Subassembly : HEAT EXCHANGER

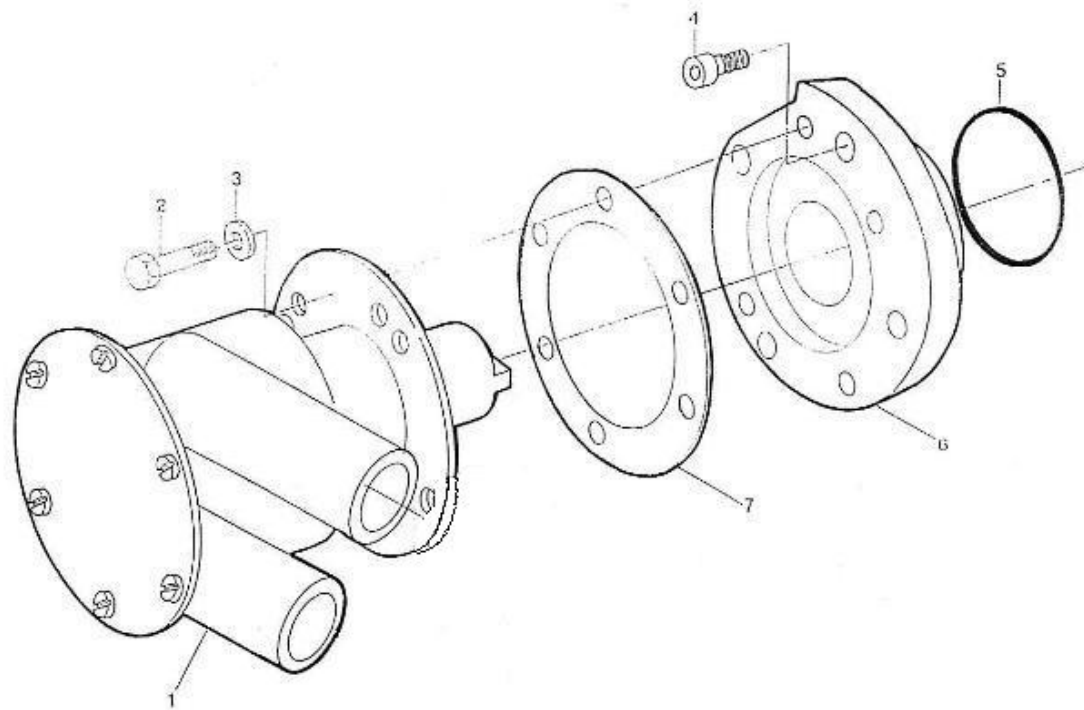


Part number	Item	Description	Quantity
48300398	1	HEAT EXCHANGER	1
39020339	2	STUD BOLT	7
39020336	3	STUD	1
970310495	4	GASKET,E-MANIFOLD NA	1
970313111	5	GASKET,EX-MANIFOLD	1
970300922	6	CLAMP,HOSE 26-38	6
48328143	7	HOSE	1
48328142	8	HOSE	1
970604533	9	CLAMP,HOSE 32-44	3
48328132	10	HOSE	1
970604526	11	CLAMP,HOSE 22-32	1
48328141	12	HOSE	1
39460916	13	NUT	8
970301714	15	HOSE,D32 COVER THERMO.4.190	1
970301711	16	FLANGE,WATER INTAKE 4.190	1
970119139	17	WASHER,CORRUGATED D8	2
970635916	18	BOLT,SOCK M 8X 35	2
970300289	19	GASKET,RING D17	1
970300306	20	GASKET,RING D14	1
970851602	21	WATER TEMPERATURE SENDER	1
970639853	22	""PLUG,HEX 3/8""G""	1
970300289	23	GASKET,RING D17	1



Model : N4.50 STANDARD ENGINE

Subassembly : SEA WATER PUMP

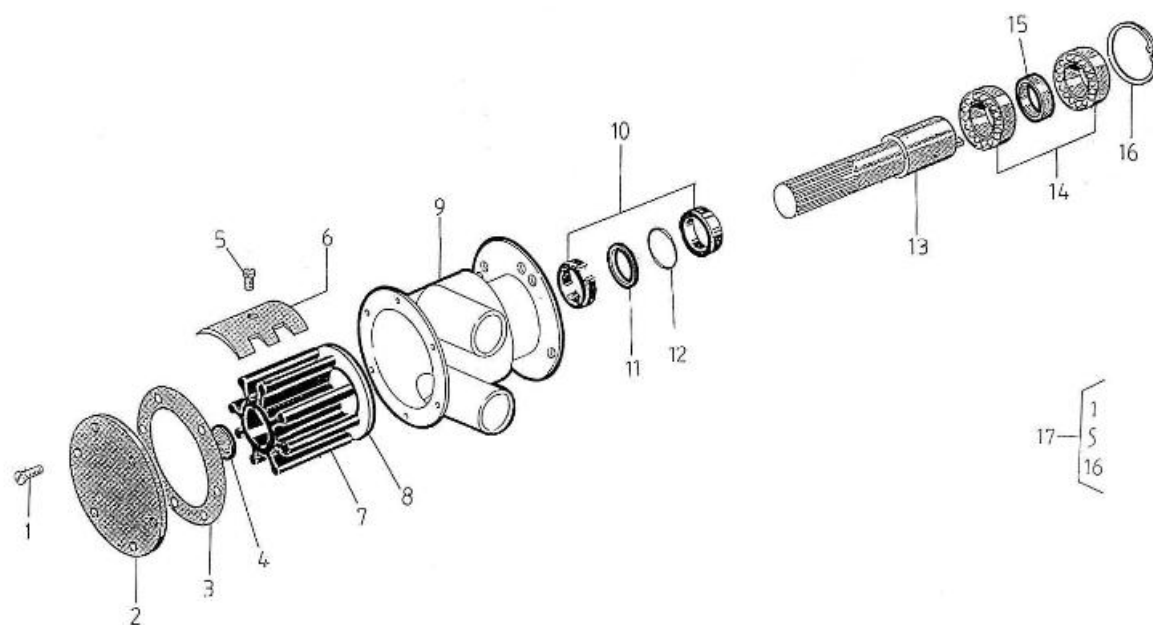


Part number	Item	Description	Quantity
970307474	1	PUMP,WATER	1
970644006	2	BOLT,HEX M 6X 20	4
970609602	3	WASHER,CORRUGATED D 6	4
970164026	4	BOLT,SOCK M 6X 16	4
970154025	5	O-RING,28,17X3,53	1
970302649	6	FLANGE,WATER PUMP 6.280HE	1
970302683	7	GASKET,WATER PUMP	1



Model : N4.50 STANDARD ENGINE

Subassembly : SEA WATER PUMP - DETAILS

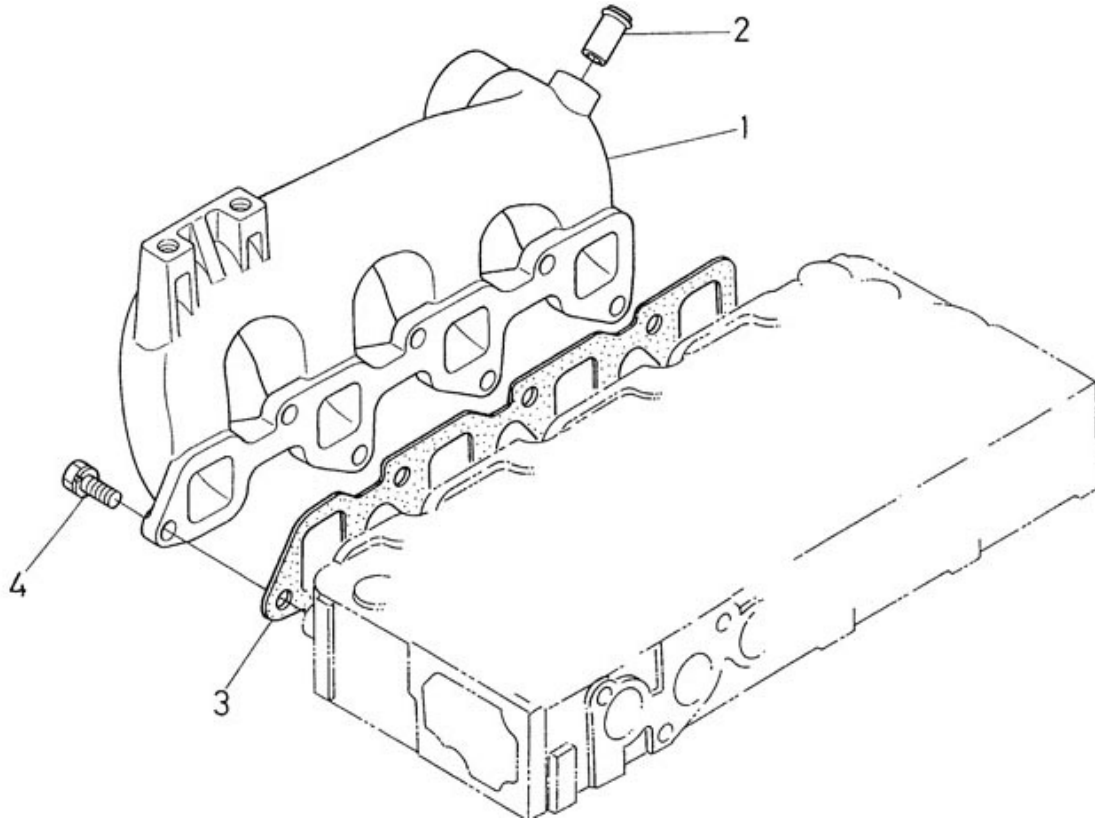


Part number	Item	Description	Quantity
970307476	1	BOLT	6
970301673	2	COVER	1
970301670	3	GASKET	1
970301671	4	GASKET	1
970301676	5	SCREW,CAM WATER PUMP	1
970307485	6	CAM,WATER PUMP	1
970544310	7	IMPELLER,WATER PUMP	1
970301677	8	WEAR PLATE	1
970307474	9	PUMP,WATER	1
970614516	10	O-RING SEAL	2
970307478	11	SPACER	1
970307479	12	SHIELD,OIL BREATHER	1
970307484	13	PUMP SHAFT	1
970307481	14	BEARING	2
970307482	15	SPACER	1
970307483	16	CIR-CLIP	1
970307474	17	PUMP,WATER	1
970307475	18	REPAIR KIT	1



Model : N4.50 STANDARD ENGINE

Subassembly : INTAKE MANIFOLD



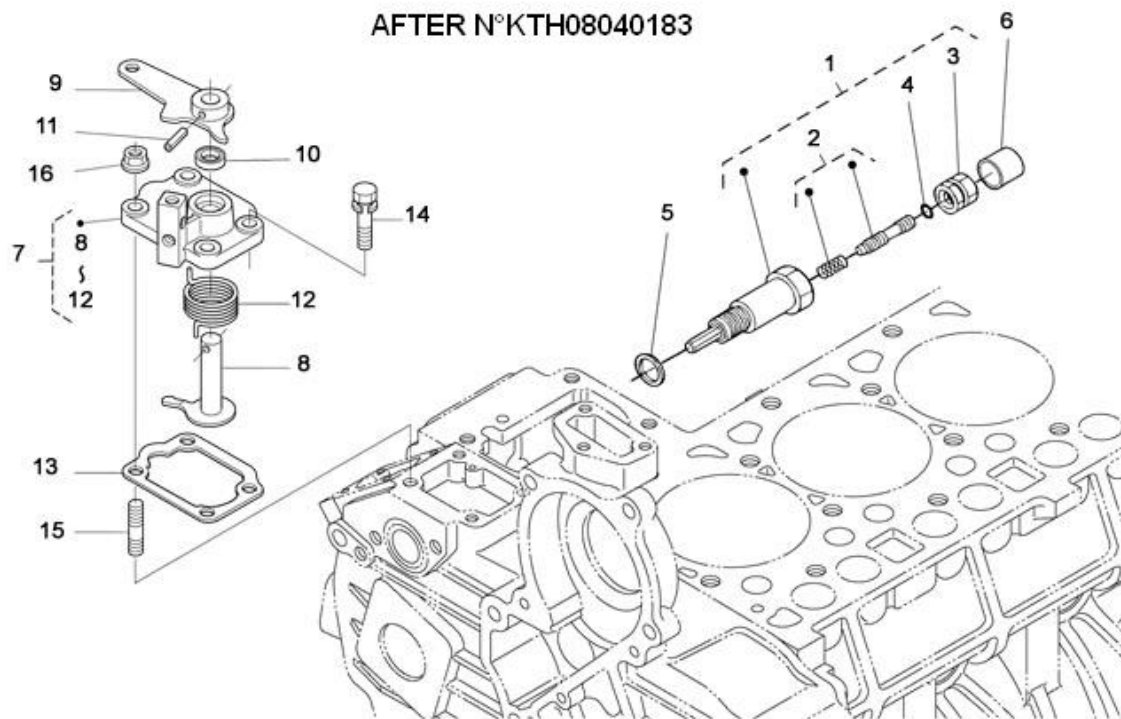
Part number	Item	Description	Quantity
970312947	1	INTAKE MANIFOLD	1
970315082	1	MANIFOLD,INLET	1
970313432	2	BREATHER,OIL	1
970313087	3	GASKET,IN-MANIFOLD	1
970492138	4	BOLT,M 8X 22	7



Model : N4.50 STANDARD ENGINE

Subassembly : ENGINE COMMAND LEVER

AFTER N°KTH08040183

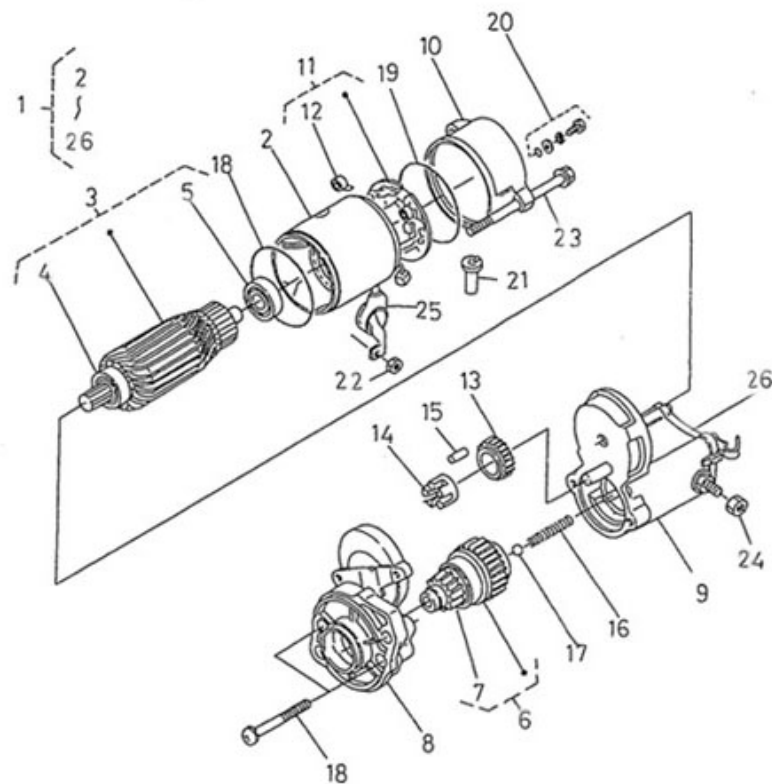


Part number	Item	Description	Quantity
970313062	1	APPARATUS,IDLING	1
970313063	2	ASSY BOLT,ADJUSTMENT	1
970313064	3	NUT,SPRING	1
970313065	4	O RING	1
970313066	5	GASKET	1
970313067	6	CAP	1
970313068	7	ASSY LEVER,ENG.STOP	1
970313069	8	COMP.LEVER,STOP	1
970313070	9	LEVER,ENGINE STOP	1
970315085	10	SEAL,OIL	1
970313007	12	SPRING,RETURN	1
970314803	13	GASKET,PLATE	1
970491536	14	BOLT,M 6X 20	2
970490224	15	STUD	2
970313602	16	NUT,FLANGE	2



Model : N4.50 STANDARD ENGINE

Subassembly : STATER - DETAILS

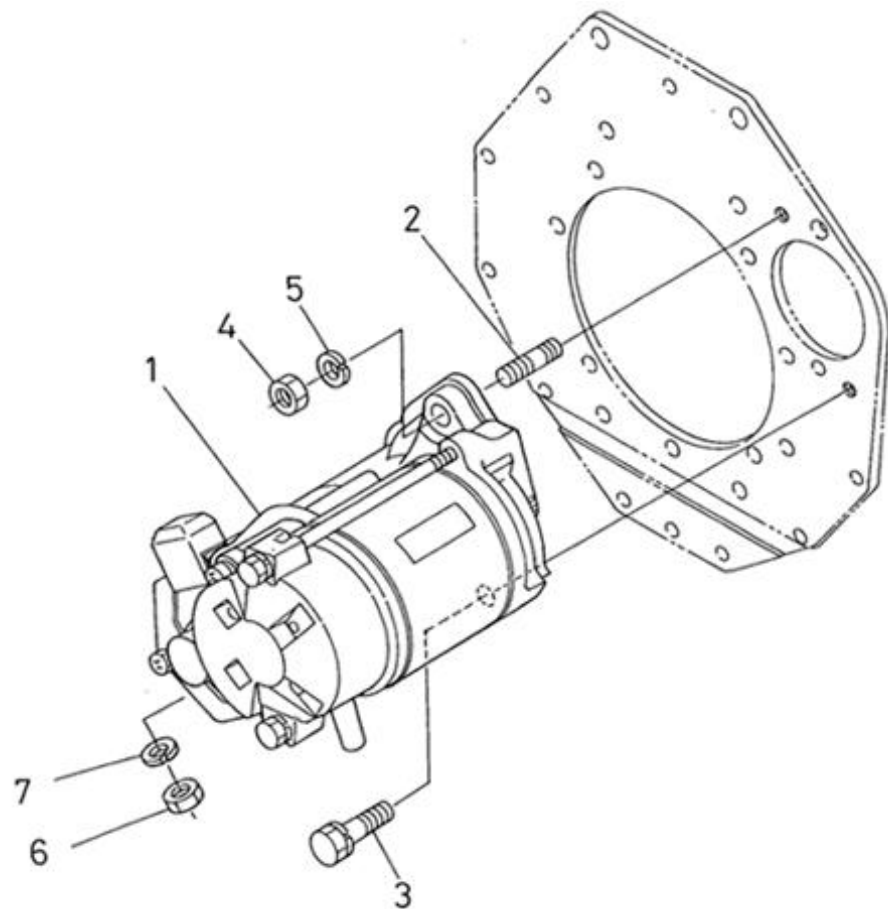


Part number	Item	Description	Quantity
970302070	1	STARTER,MOTOR 12V 0,8KW	1
970313089	2	ASSY YOKE	1
970312819	3	ASSY ARMATURE	1
970313090	4	BEARING	1
970313091	5	BEARING	1
970303994	6	PINION,SWITCH	1
970303994	7	PINION,SWITCH	1
970311160	8	BODY	1
970314193	9	ASSY SWITCH,MAGNETIC	1
970313092	10	FRAME,END	1
970313093	11	ASSY HOLDER,BRUSH	1
970517318	12	SPRING,BRUSH	4
970313094	13	GEAR	1
970313095	14	RETAINER	1
970517314	15	ROLLER,STARTER MOTOR 4.110	5
970313096	16	SPRING	1
970517316	17	BHEARING,BALL STARTER MOTOR	1
970313097	18	BOLT	2
970313098	19	O RING	2
970307793	20	ASSY BOLT	2
970313099	21	PIPE,DRAIN	1
970517324	22	NUT,STATER 4.110	1
970313100	23	BOLT	2
970313101	24	NUT,HEXAGON	1
970313102	25	COVER,TERMINAL	1
970314235	26	ASSY COVER	1



Model : N4.50 STANDARD ENGINE

Subassembly : STARTER

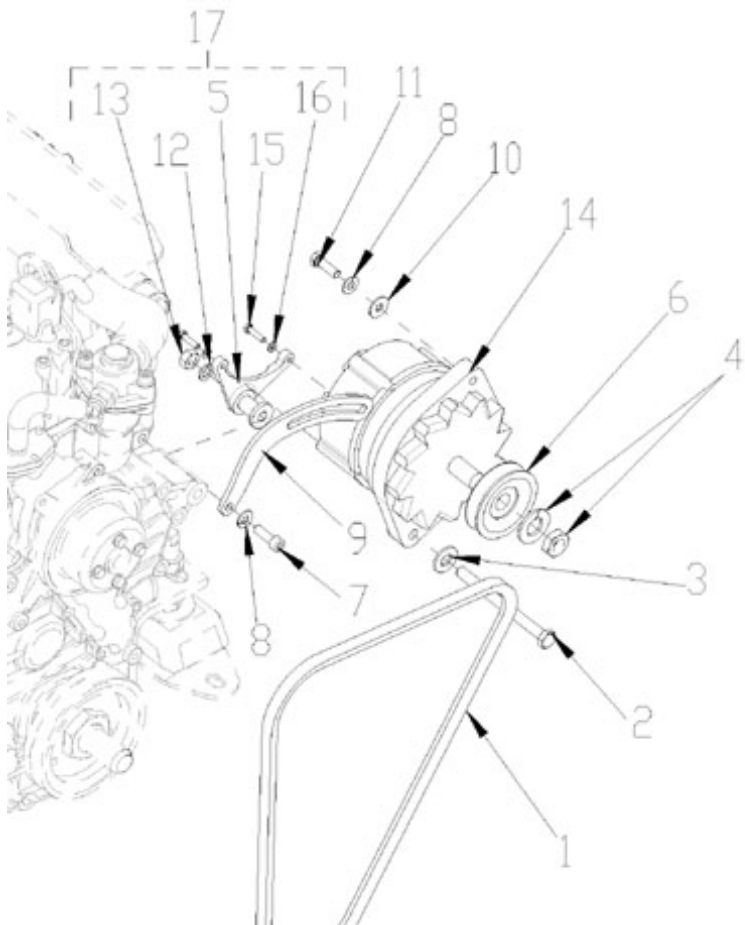


Part number	Item	Description	Quantity
970302070	1	STARTER,MOTOR 12V 0,8KW	1
970313103	2	STUD	1
970302934	3	BOLT,M10X 30	1
970313104	4	NUT	1
970302068	5	WASHER,SPRING D10	1
970313105	6	NUT	1
970490904	7	WASHER,SPRING D 8	1



Model : N4.50 STANDARD ENGINE

Subassembly : ALTERNATOR



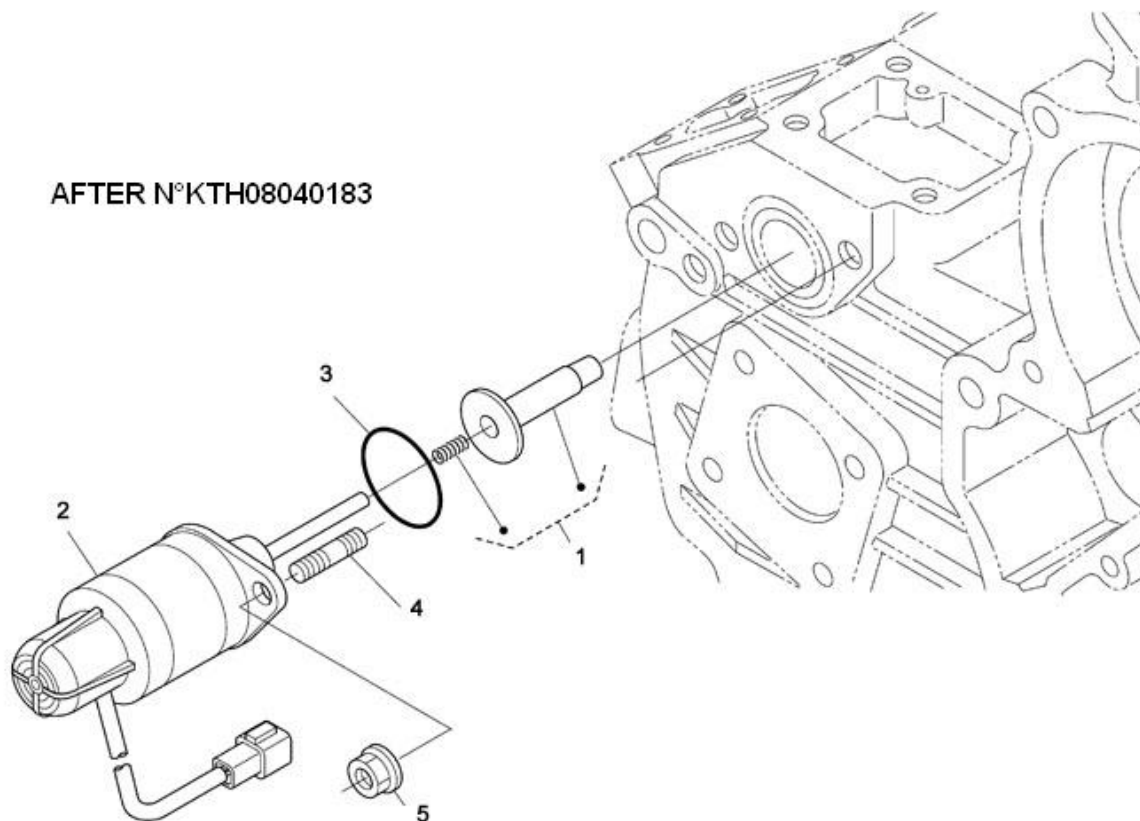
Part number	Item	Description	Quantity
48108133	1	V-BELT	1
39160668	2	BOLT	1
970119135	3	WASHER,PLAIN D10	1
48201173	5	ALTERNATOR BRACKET	1
95312305	6	PULLEY	1
970300193	7	BOLT,HEX M 8X 70	1
970119138	8	WASHER,SPRING D 8	2
95203077	9	TIGHTENER	1
970304050	10	WASHER	1
970409603	11	BOLT,HEX M 8X 25	1
970119136	12	WASHER,SPRING D10	1
970119143	13	NUT, M10	1
48201303	14	ALTERNATOR 12V-120A	0
39160109	15	BOLT	2
970300318	16	WASHER,SPRING D 5	2



Model : N4.50 STANDARD ENGINE

Subassembly : ELECTRICAL STOP

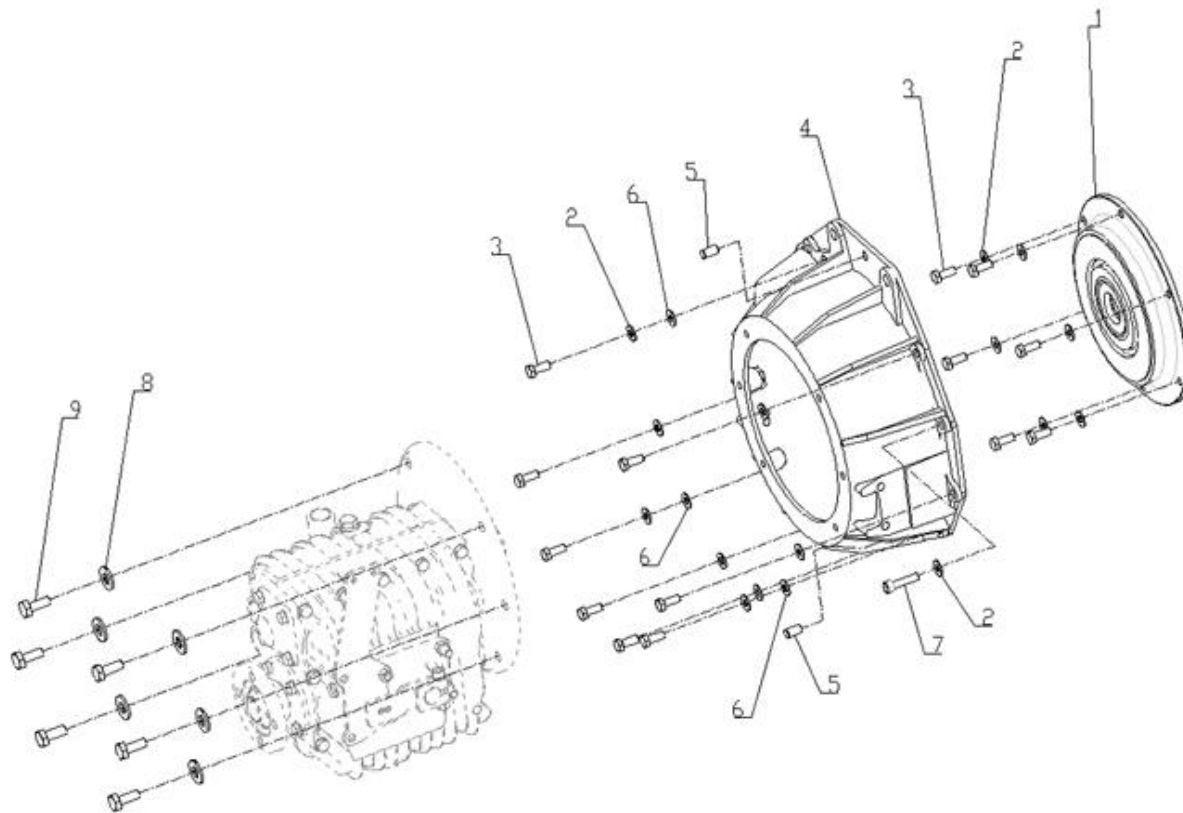
AFTER N°KTH08040183



Part number	Item	Description	Quantity
970307362	1	SOLENOID,STOP	1
970313106	1	COMP.GUIDE,SOLENOID	1
970314769	2	SOLENOID	1
970490919	2	BOLT,M 8X 16	2
970301933	3	WASHER,PLAIN D 8	2
970313108	3	O RING	1
970307363	4	LEVER,STOP(1)	1
970490224	4	STUD	2
970307364	5	LEVER,STOP(2)	1
970313602	5	NUT,FLANGE	2
970141326	6	WASHER, PLAIN D6	3
970307365	7	PIN,SNAP	3
970307366	8	SUPPORT,SOLENOID	1

Model : N4.50 STANDARD ENGINE

Subassembly : GEAR BOX FLANGE

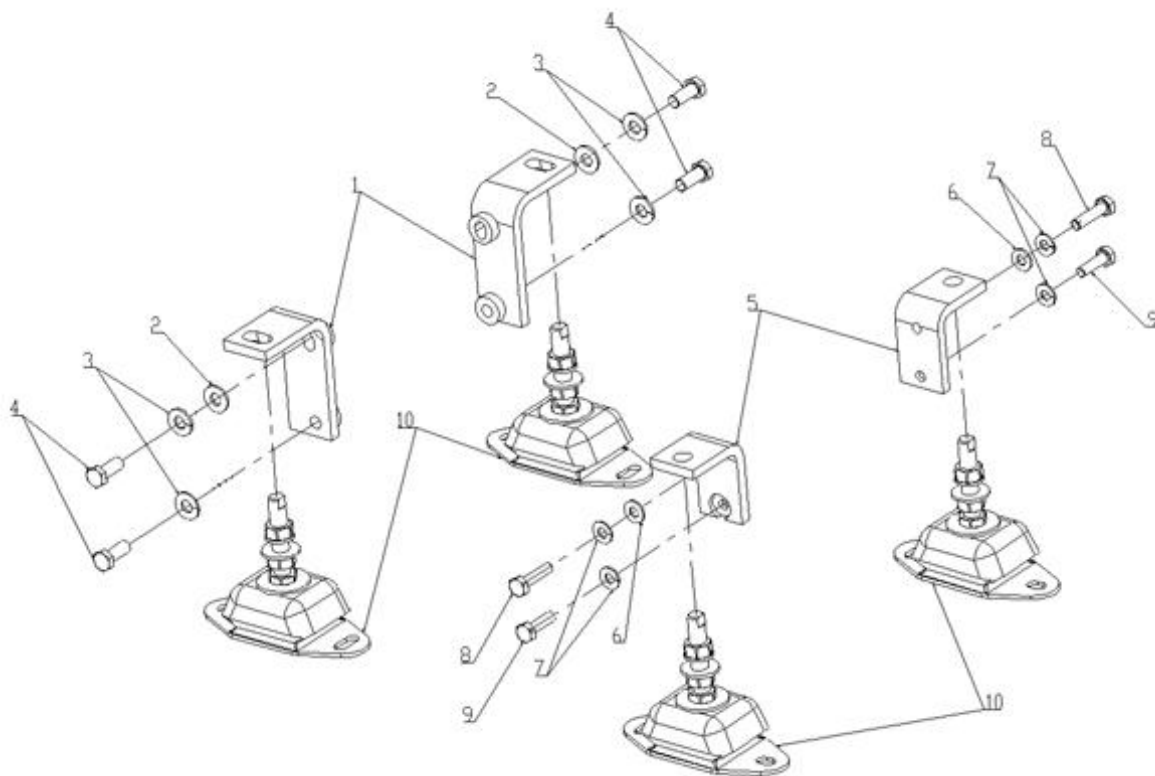


Part number	Item	Description	Quantity
48100868	1	COUPLING	1
48100883	1	COUPLING	1
970119139	2	WASHER,CORRUGATED D8	16
970119141	3	BOLT,HEX M8X 20	15
970302149	5	PIN,CYLINDRICAL D10X 20	2
970027323	6	WASHER,PLAIN D 8	3
970635916	7	BOLT,SOCK M 8X 35	1
970119137	8	WASHER,CORRUGATED D10	6
970635508	9	BOLT,HEX M10X 25	6



Model : N4.50 STANDARD ENGINE

Subassembly : SUPPORT AND MOUNTING



Part number	Item	Description	Quantity
95310659	1	SUPPORT,MOUNT FRONT	2
970409153	2	WASHER,PLAIN D12	2
970409154	3	WASHER,SPRING D12	4
39160549	4	BOLT	4
970301419	5	SUPPORT,MOUNT REAR	2
970119135	6	WASHER,PLAIN D10	2
970119136	7	WASHER,SPRING D10	4
970499051	8	BOLT,HEX M10X1,25X 30	2
970300044	9	BOLT,HEX M10X1,25X 25	2
48190023	10	ELASTICAL MOUNT	4

