



# SPARE PARTS CATALOGUE

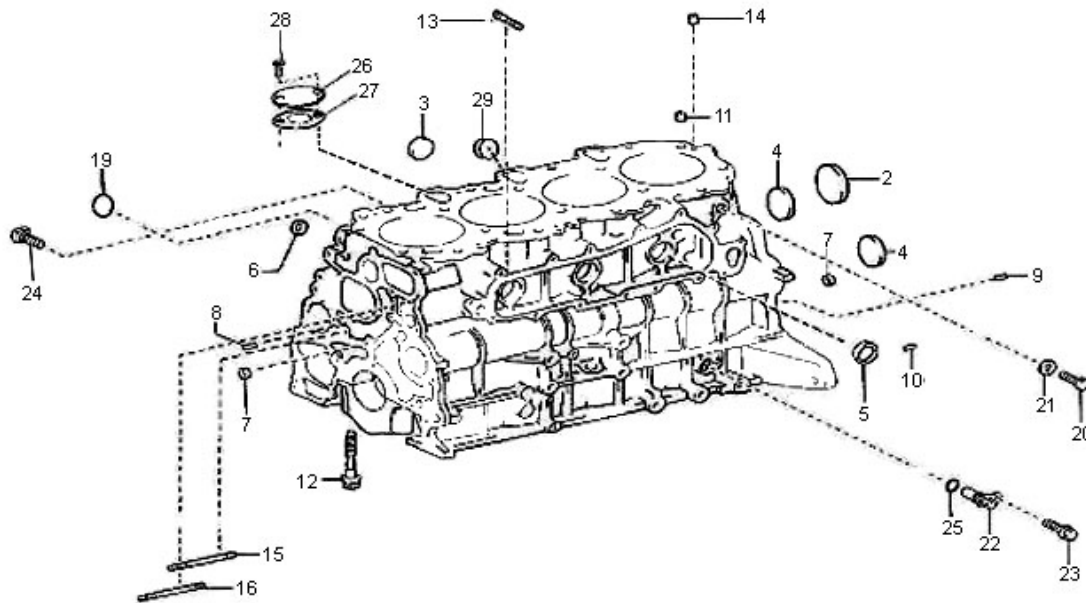
*(version du 02-07-2019)*

## T4.155 4.380TDI STANDARD ENGINE



Model : T4.155 4.380TDI STANDARD ENGINE

Subassembly : ENGINE BLOCK

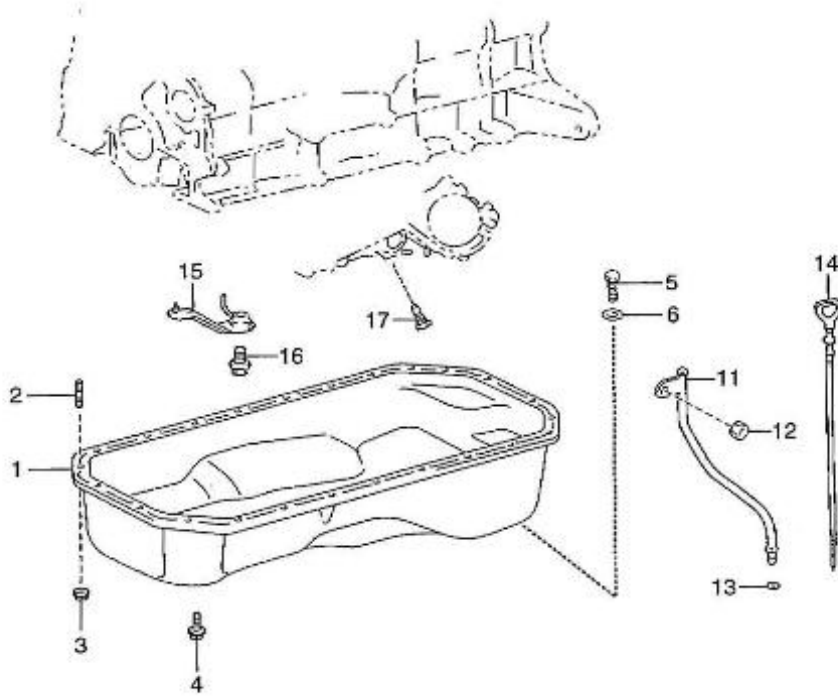


Part number	Item	Description	Quantity
970312033	2	CAP,FREEZE	1
970312034	3	PLUG	3
970312035	4	CAP, SEALING	2
970312036	5	CAP, SEALING	3
970312037	6	CAP, SEALING	1
970312038	7	CAP,FREEZE	2
970312097	8	PIN, STRAIGHT	2
970312040	9	PIN, STRAIGHT	2
970312120	10	PIN,STRAIGHT	2
970312042	11	PIN, RING	2
970312043	12	BOLT	10
970312044	13	STUD	2
970312045	14	OIL DUCT, CYLINDER BLOCK	1
970312046	15	STUD	3
970312044	16	STUD	1
970312048	19	RING O	1
970312049	20	PLUG, STRAIGHT SCREW W/HEAD	1
970312268	21	GASKET	1
970312051	22	PLUG,HOLE	1
970312261	23	BOLT FLANGE	1
970312053	24	PLUG,CYLINDER BLOCK HOLE	1
970312054	25	O RING	1
970312055	26	PLATE,WATER SEAL	1
970312259	27	GASKET	1
970312057	28	BOLT,FLANGE	2
970312058	29	CAP, SEALING	1



Model : T4.155 4.380TDI STANDARD ENGINE

Subassembly : OIL SUMP - OIL PUMP

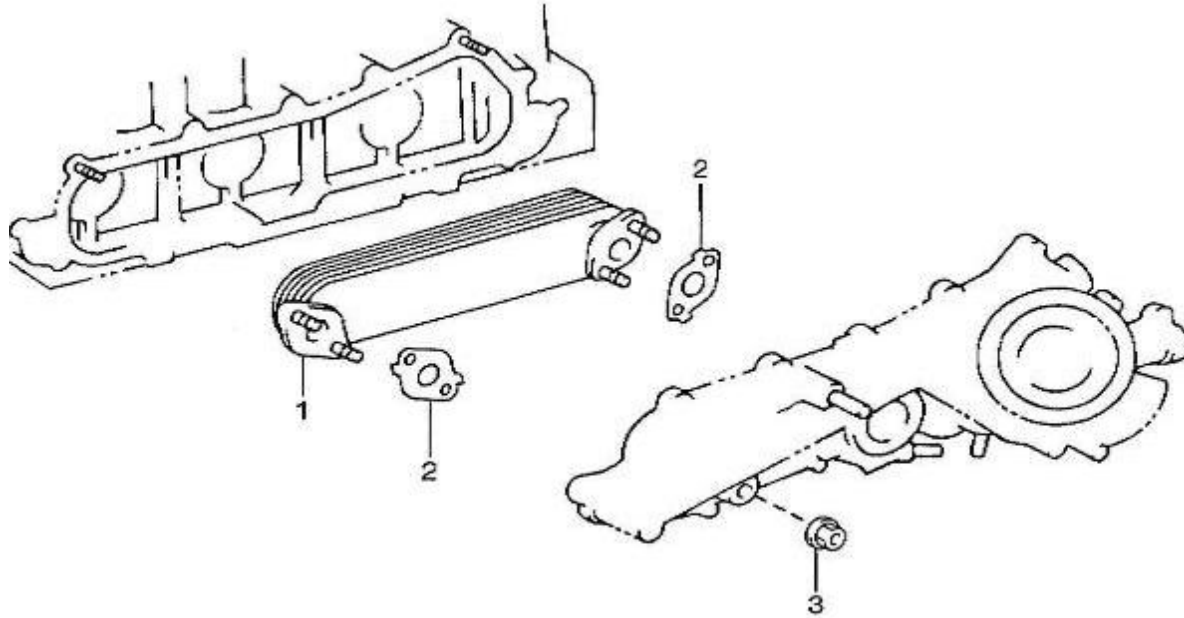


Part number	Item	Description	Quantity
970312059	1	PAN SUB-ASSY, OIL	1
970312060	2	STUD	2
970312061	3	NUT	2
970312062	4	BOLT, W/WASHER	22
970312063	5	PLUG, W/HEAD STRAIGHT SCREW	1
970312064	6	GASKET	1
970312065	11	GUIDE, OIL LEVEL	1
970312094	13	O RING	1
970312067	14	DIPSTICK	1
970312068	15	NOZZLE SUB ASSY, OIL, N	4
970312069	16	VALVE SUB ASSY, OIL CHECK	4
970312070	17	VALVE SUB ASSY, OIL CHECK	4
970312071	18	PLUG	1



Model : T4.155 4.380TDI STANDARD ENGINE

Subassembly : OIL COOLER

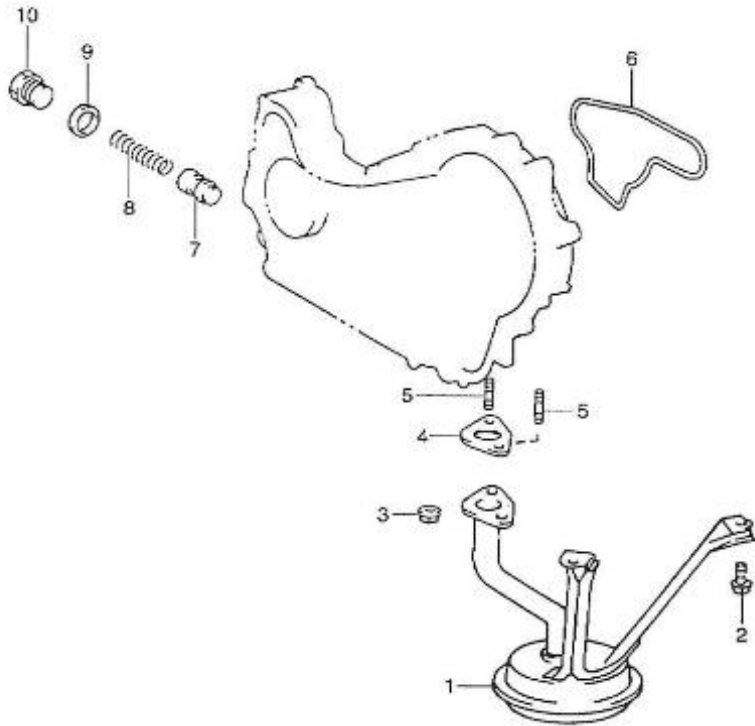


Part number	Item	Description	Quantity
970312218	1	COOLER ASSY,OIL	1
970312219	2	GASKET	2
970312278	3	NUT	4



Model : T4.155 4.380TDI STANDARD ENGINE

Subassembly : OIL PUMP

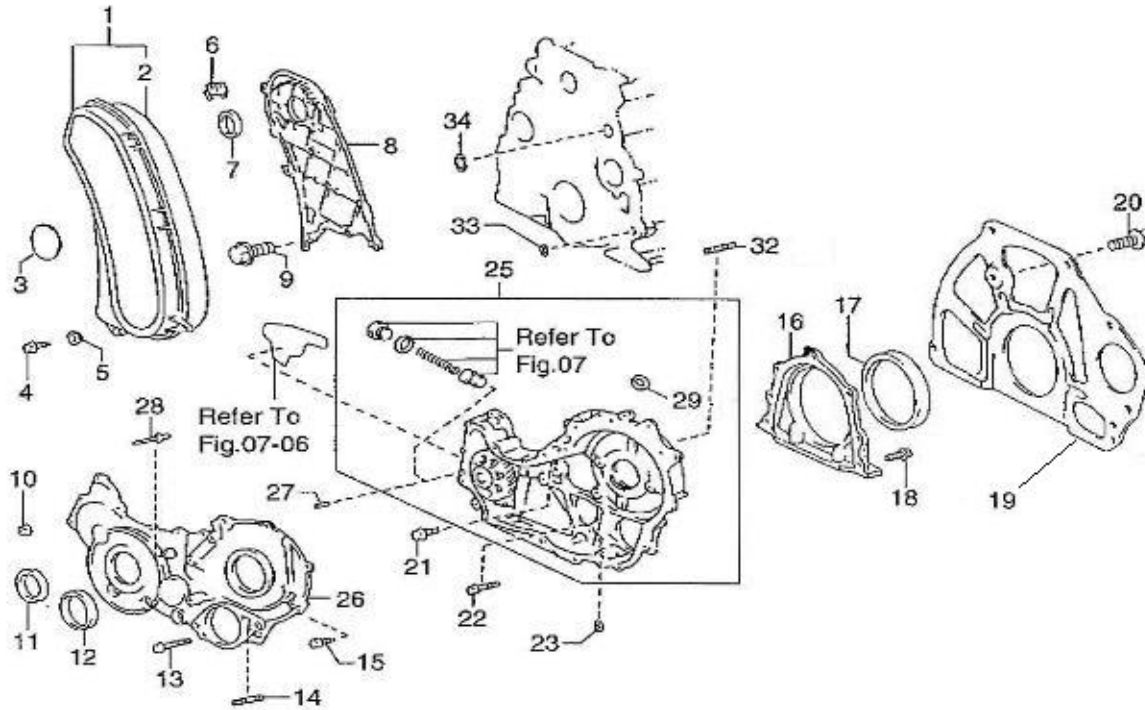


Part number	Item	Description	Quantity
970312196	1	STRAINER SUB-ASSY,OIL	1
970312062	2	BOLT, W/WASHER	2
970312061	3	NUT	2
970312199	4	GASKET,OILSTRAINER FLANGE	1
970312060	5	STUD	2
970312201	6	GASKET,OIL PUMP	1
970312202	7	VALVE,OIL PUMP RELIEF	1
970312203	8	SPRING,OILPUMP RELIEF VALVE	1
970312204	9	GASKET,OIL PUMP RELIEF VALVE	1
970312205	10	PLUG,OIL PUMP RELIEF VALVE	1
970312095	99	CASE ASSY, TIMING GEAR	1



Model : T4.155 4.380TDI STANDARD ENGINE

Subassembly : TIMING GEAR CASE

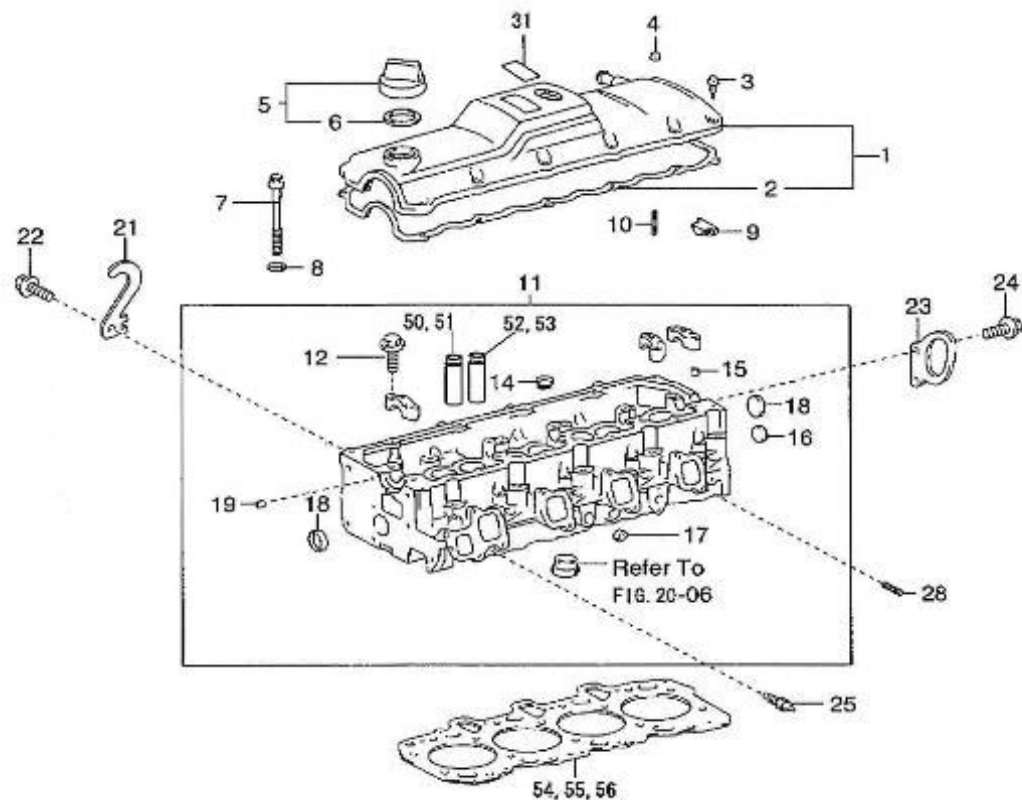


Part number	Item	Description	Quantity
970312072	1	COVER	1
970312073	2	GASKET,GAER CASE NA	1
970312074	3	PLUG	1
970312075	4	BOLT	4
970312076	5	WASHER, SEAL	4
970312077	6	CLIP	2
970312078	7	GASKET	1
970312079	8	RETAINER, CAM SHAFT OIL SEAL	1
970312080	9	BOLT, WASHER BASED HEAD HEXAGO	7
970312061	10	NUT	2
970312082	11	GASKET	1
970312083	12	GASKET	1
970312084	13	BOLT	4
970312085	14	STUD	2
970312251	15	BOLT	10
970312087	16	RETAINER, OIL SEAL	1
970312088	17	GASKET	1
970312251	18	BOLT	5
970312090	19	PLATE, RR END, N	1
970312091	20	BOLT, FLANGE	1
970312092	21	BOLT, UNION	1
970312210	22	BOLT,W/WASHER	8
970312094	23	O RING	1
970312095	25	CASE ASSY, TIMING GEAR	1
970312096	26	COVER	1
970312097	27	PIN, STRAIGHT	1
970312098	28	POINTER TIMING	1
970312099	29	GASKET, OIL PUMP RELIEF VALVE	1
970312100	32	STUD	2
970312101	33	O-RING GEAR CASE	1
970312102	34	O RING	1



Model : T4.155 4.380TDI STANDARD ENGINE

Subassembly : CYLINDER HEAD

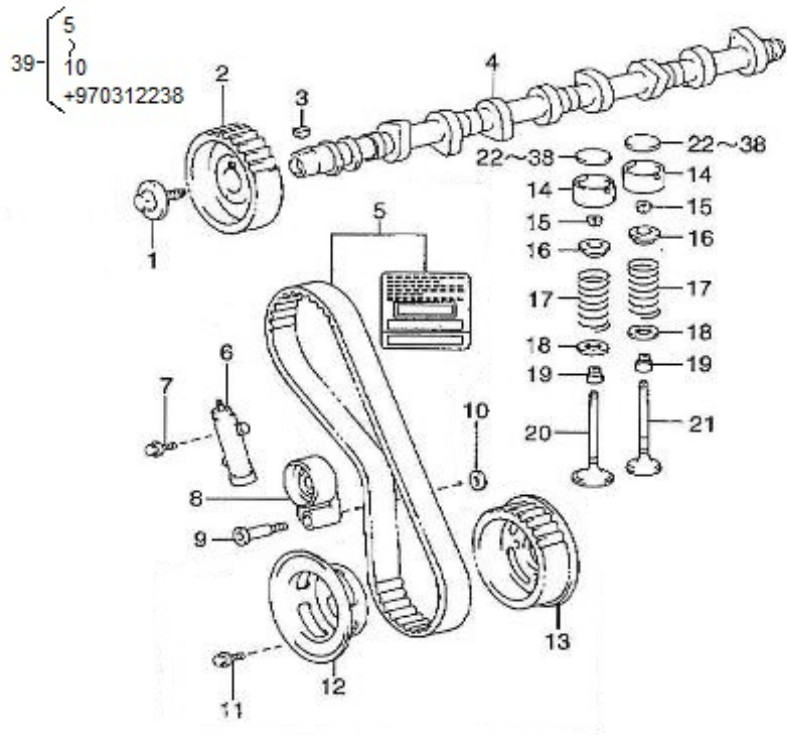


Part number	Item	Description	Quantity
970312001	1	COVER ASSY, CYLINDER HEAD	1
970312002	2	GASKET	1
970312003	3	BOLT	10
970312004	4	NUT	2
970312005	5	PLUG	1
970312006	6	GASKET	1
970312007	7	BOLT	18
970312008	8	WASHER	18
970312009	9	HALF PLUG	1
970312010	10	BOLT, STUD	2
970312011	11	CYLINDER HEAD	1
970312012	12	BOLT, WASHER BASED HEAD HEXAGO	10
970312013	14	PLUG, STRAIGHT SCREW W/HEAD	4
970312014	15	PIN, RING	5
970312015	16	CAP,FREEZE	1
970312037	17	CAP, SEALING	1
970312034	18	PLUG	2
970312018	19	PIN, RING	2
970312019	21	HANGER, ENGINE N	1
970312020	22	BOLT, WASHER	1
970312021	23	HANGER, ENGINE N	1
970312022	24	BOLT, WASHER BASED HEAD HEXAGO	2
970312024	28	STUD	8
970312025	31	PLATE ENGINE NAME	1
970312028	50	BUSH, HEXHAUST VALVE GUIDE (ST	4
970312029	51	BUSH, HEXHAUST VALVE GUIDE (O/	4
970312028	52	BUSH, HEXHAUST VALVE GUIDE (ST	4
970312029	53	BUSH, HEXHAUST VALVE GUIDE (O/	4
970312030	54	CYLINDER HEAD GASKET	1
970312031	55	CYLINDER HEAD GASKET	1
970312032	56	CYLINDER HEAD GASKET	1



Model : T4.155 4.380TDI STANDARD ENGINE

Subassembly : CAMSHAFT



Part number	Item	Description	Quantity
970312157	1	BOLT,WASHER	1
970312638	2	PULLEY,CAMSHAFT TIMING	1
970312159	3	KEY,WOOD RUFF	1
970312160	4	CAMSHAFT	1
970312161	5	BELT	1
970312162	6	TIGHTNER	1
970312163	7	BOLT,FLANGE	2
970312164	8	IDLER SUB ASSY, TIMING BELT	1
970312165	9	SHAFT, TIMING BELT IDLER	1
970312166	10	WASHER	1
970312167	11	BOLT,FLANGE	4
970312168	12	FLANGE,CAMSHAFT TIMING PULLEY,	1
970312169	13	PULLEY,CAMSHAFT TIMING,NO.2	1
970312170	14	LIFTER,VALVE	8
970312171	15	LOCK,VALVE SPRING RETAINER	16
970312172	16	RETAINER,VALVE SPRING	8
970312173	17	SPRING,COMPRESSION	8
970312174	18	WASHER,PLATE	8
970312175	19	GASKET	8
970312176	20	VALVE,INTAKE	4
970312177	21	VALE,EXHAUST	4
970312178	22	WASHER	8
970312179	23	WASHER	8
970312180	24	WASHER	8
970312181	25	WASHER	8
970312182	26	WASHER	8
970312183	27	WASHER	8
970312184	28	WASHER	8
970312185	29	WASHER	8
970312186	30	WASHER	8
970312187	31	WASHER	8
970312188	32	WASHER	8
970312189	33	WASHER	8
970312190	34	WASHER	8

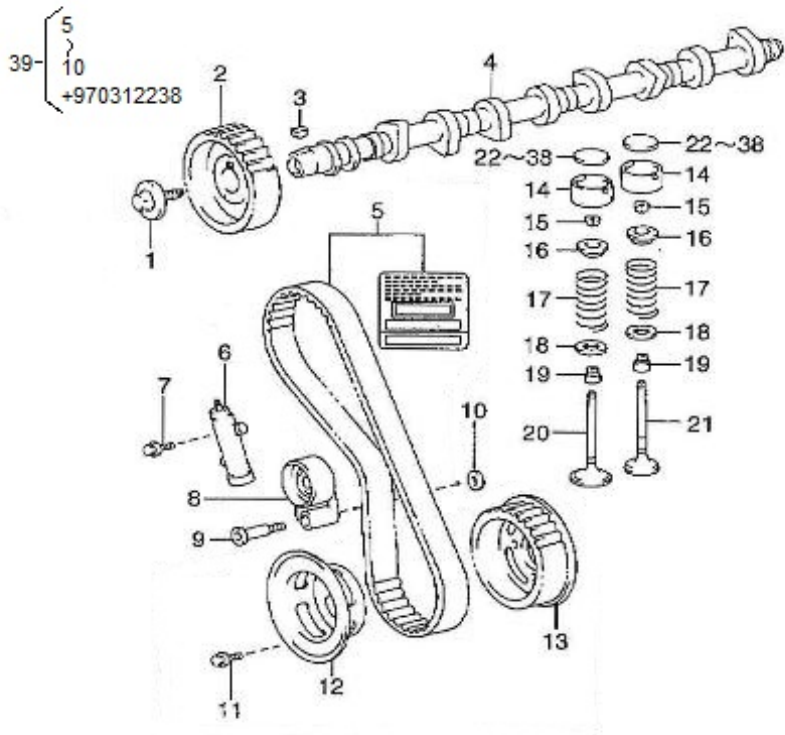




Model : T4.155 4.380TDI STANDARD ENGINE

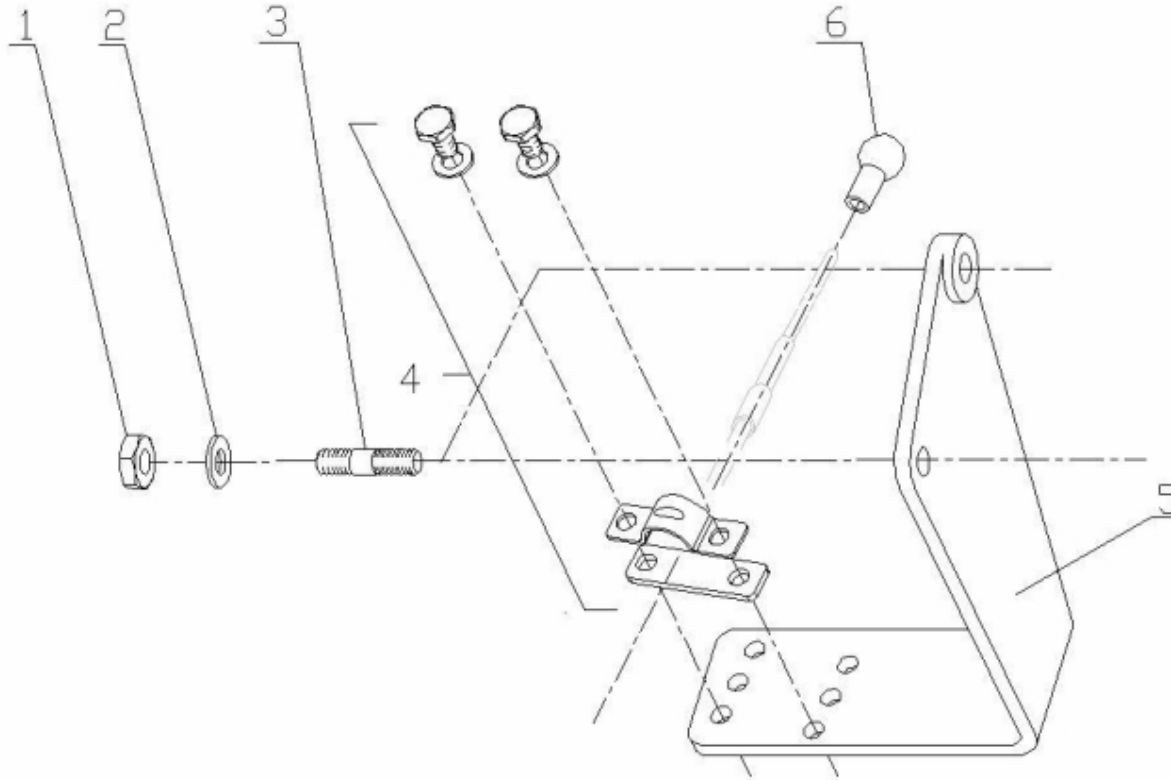
Subassembly : CAMSHAFT

Part number	Item	Description	Quantity
970312191	35	WASHER	8
970312193	37	WASHER	8
970312194	38	WASHER	8
970313172	39	TIMING BELT	1



Model : T4.155 4.380TDI STANDARD ENGINE

Subassembly : ACCELERATOR

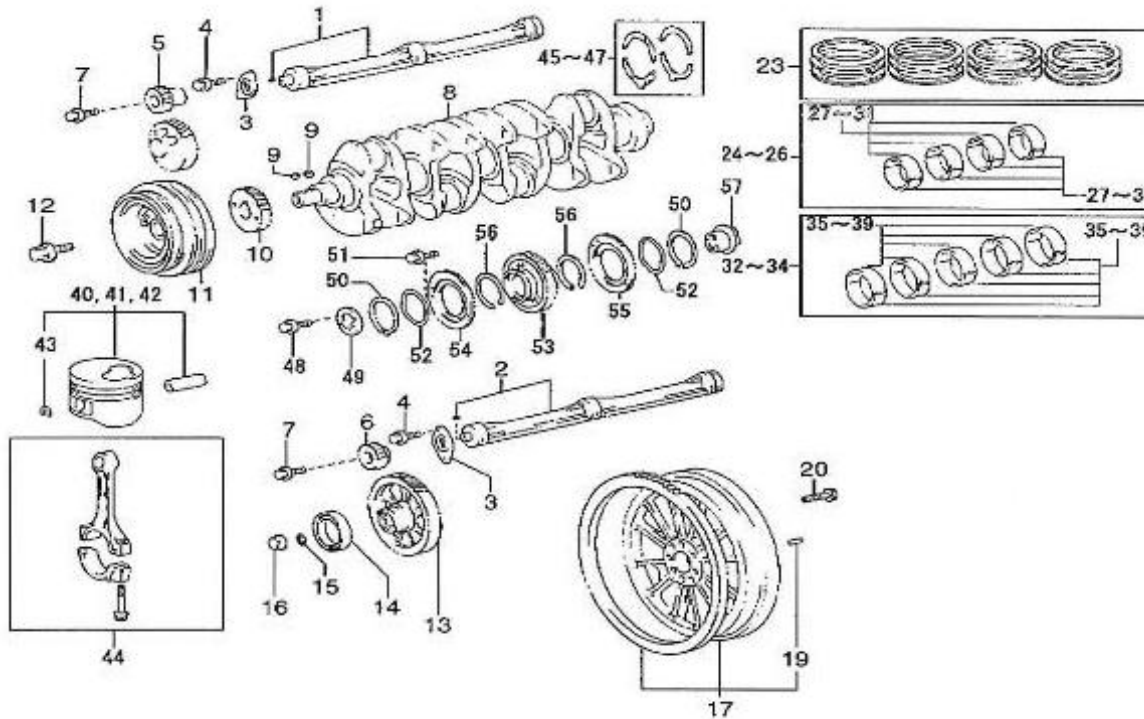


Part number	Item	Description	Quantity
970635460	1	NUT,M 6	2
970119149	2	WASHER, SPRING D 6	4
970154026	3	STUD,M 6X 22	2
970835020	4	CLAMP	1
95203064	5	SUPPORT	1
970311202	6	BALL AND SOCKET JOINT	1



Model : T4.155 4.380TDI STANDARD ENGINE

Subassembly : CRANKSHAFT-BEARINGS

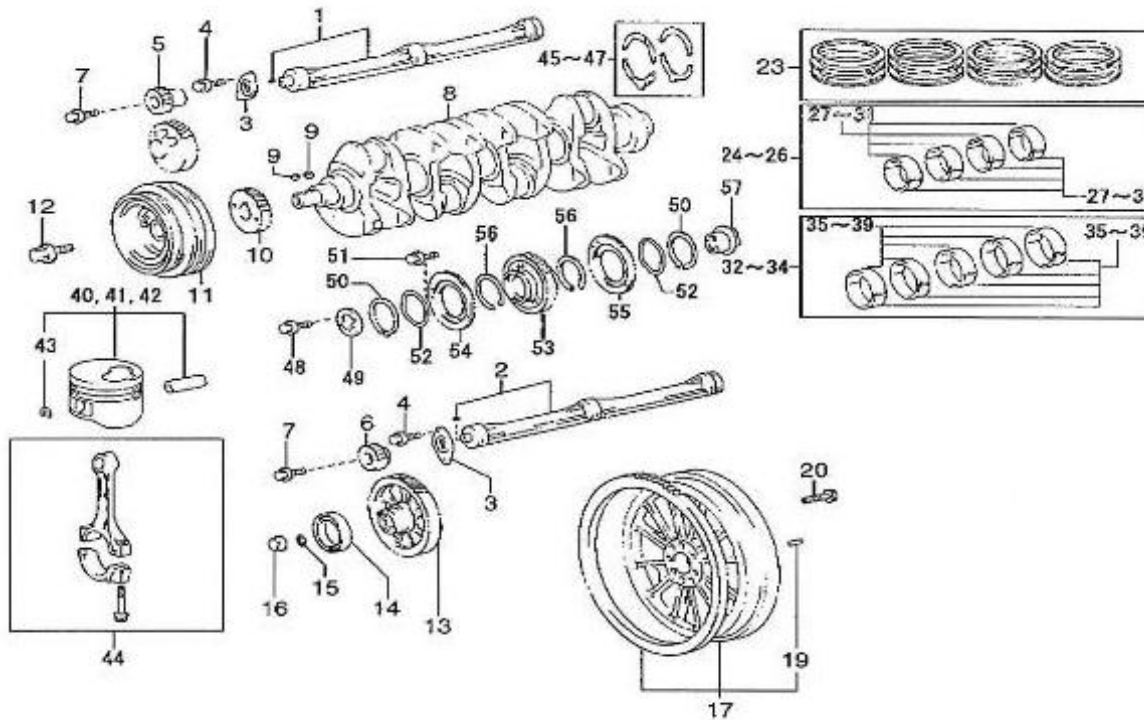


Part number	Item	Description	Quantity
970312103	1	ASSY SHAFT, BALANCER N	1
970312104	2	ASSY SHAFT, BALANCER N	1
970312105	3	WASHER, BALANCER SHAFT THRUST	2
970312106	4	BOLT, FLANGE	4
970312107	5	GEAR BALANCER SHAFT DRIVEN, N	1
970312108	6	GEAR BALANCER SHAFT DRIVEN, N	1
970312109	7	BOLT, WASHER BASED HEAD HEXAGO	2
970312110	8	CRANKSHAFT SUB ASSY	1
970312111	9	KEY	2
970312112	10	GEAR CRANKSHAFT TIMING	1
970312113	11	PULLEY SUB ASSY, CRANKSHAFT	1
970312114	12	BOLT, W/WASHER	1
970312115	13	GEAR, INJECTION PUMP DRIVE	1
970312116	14	BALL BEARING	1
970312117	15	O RING	1
970312118	16	NUT,CAP	1
970312119	17	FLYWHEEL SUB-ASSY	1
970312120	19	PIN,STRAIGHT	3
970312121	20	BOLT,WASHER BASED HEAD EXAGON	8
970312122	23	RING SET	1
970312126	27	BEARING CONNECTING ROD (MARK 2	4
970312127	28	BEARING CONNECTING ROD (MARK 3	4
970312128	29	BEARING CONNECTING ROD (MARK 4	4
970312129	30	BEARING CONNECTING ROD (MARK 5	4
970312130	31	BEARING,CONNECTING ROD (MARK 6	4
970312134	35	BEARING,CRANKSHAFT (MARK 2)	5
970312135	36	BEARING,CRANKSHAFT (MARK 3)	5
970312136	37	BEARING,CRANKSHAFT (MARK 4)	5
970312137	38	BEARING,CRANKSHAFT (MARK 5)	5
970312138	39	BEARING,CRANKSHAFT (MARK 6)	5
970312139	40	PISTON SUB-ASSY,W/PIN (MARK 1)	4
970312140	41	PISTON SUB-ASSY,W/PIN (MARK 2)	4
970312141	42	PISTON SUB-ASSY,W/PIN (MARK 3)	4
970312142	43	RING,SNAP	8



Model : T4.155 4.380TDI STANDARD ENGINE

Subassembly : CRANKSHAFT-BEARINGS

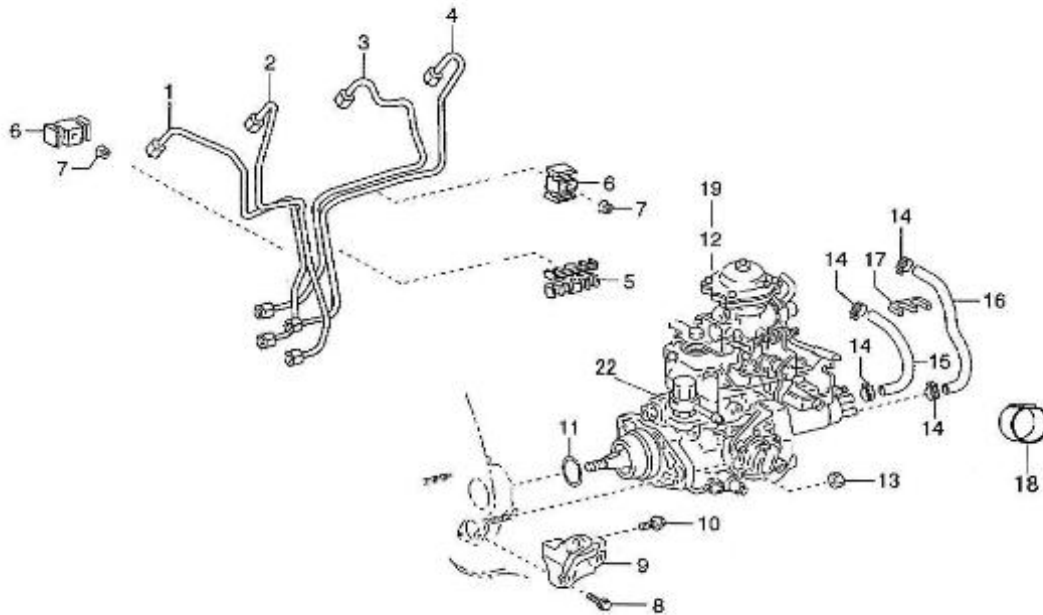


Part number	Item	Description	Quantity
970312143	44	ROD SUB-ASSY,CONNECTING	4
970312144	45	WASHER SET,CRANKSHAFT THRUST (	1
970312145	46	WASHER SET,CRANKSHAFT THRUST (	1
970312146	47	WASHER SET,CRANKSHAFT THRUST (	1
970312147	48	BOLT	2
970312148	49	PLATE,IDLE GEAR THRUST	1
970312149	50	RING	2
970312150	51	BOLT	1
970312151	52	WASHER,WAVE	2
970312152	53	GEAR,IDLE,NO.1	1
970312153	54	GEAR	1
970312154	55	GEAR,IDLE SUB,NO.2	1
970312155	56	SPRING,IDLE GEAR	2
970312156	57	SHAFT,IDLE GEAR	1
970315562	60	CONNECTING ROD BUSH SIZE B	1
970313181	61	BOLT	1



Model : T4.155 4.380TDI STANDARD ENGINE

Subassembly : INJECTION AND FEED PUMP

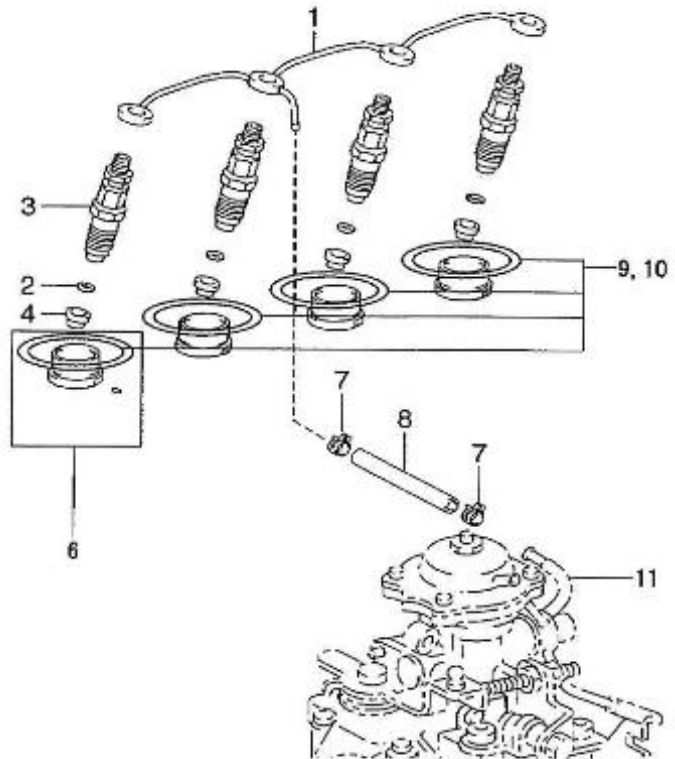


Part number	Item	Description	Quantity
970312288	1	INJECTION PIPE	1
970312289	2	INJECTION PIPE	1
970312290	3	INJECTION PIPE	1
970312291	4	INJECTION PIPE	1
970312292	5	CLAMP,INJECTION PIPE, NO.1	1
970312293	6	CLAMP,INJECTION PIPE, NO.2	2
970312294	7	NUT	2
970312334	8	BOLT	2
970312296	9	STAY, INJECTION PUMP	1
970312297	10	BOLT,W/WASHER	1
970312298	11	RING,O	1
970312299	12	INJECTION PUMP	1
970312300	13	NUT	2
970312301	14	CLAMP, HOSE	4
970312302	15	HOSE, WATER BY-PASS,NO.2	1
970312304	17	CLAMP	1
970312305	18	CLAMP	1
970312306	19	DETECTOR ASSY, REVOLUTION	1
970312307	22	UNION	1



Model : T4.155 4.380TDI STANDARD ENGINE

Subassembly : INJECTION NOZZLES AND PIPES

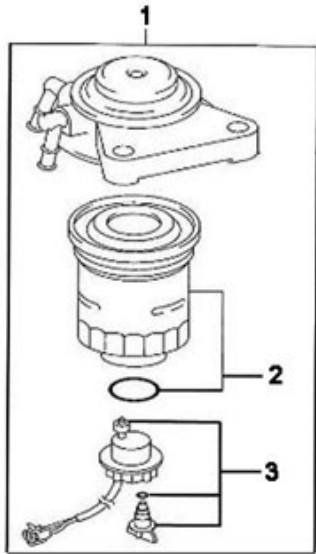


Part number	Item	Description	Quantity
970312308	1	PIPE	1
970312309	2	GASKET	4
970312310	3	INJECTOR	4
970312311	4	INJECTOR SEAT	4
970312313	6	CHAMBER SUB-ASSY, COMBUSTION	4
970312314	7	CLAMP HOSE	2
32805001	8	HOSE	0
970312316	9	SHIM (FOR COMBUSTION CHAMBER T	4
970312317	10	SHIM (FOR COMBUSTION CHAMBER T	4
970312318	11	UNION	1



Model : T4.155 4.380TDI STANDARD ENGINE

Subassembly : FUEL FILTER



970 312 239 :

T4.155 ≤ T311 050 223

4.380 TDI ≤ T111 050497

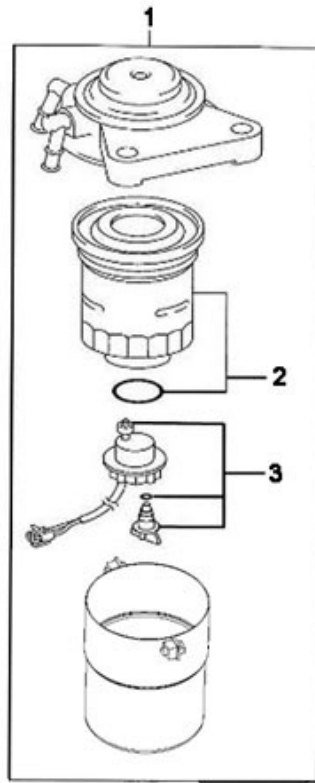
4.390 TDI ≤ T211 050 873

970 312 482 :

T4.155 ≥ T311 050 224

4.380 TDI ≥ T111 050498

4.390 TDI ≥ T211 050 874



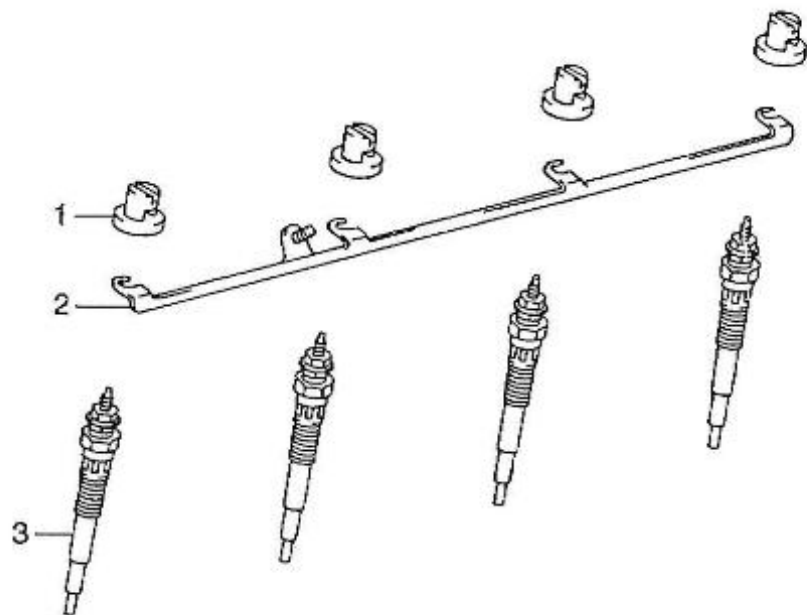
Part number	Item	Description	Quantity
970312239	1	FILTER ASSY FUEL	1
970312482	1	GO FILTER	1
970311185	2	FUEL FILTER	1
970312242	3	PLUG W/WATER LEVEL SWITCH	1



Model : T4.155 4.380TDI STANDARD ENGINE

Subassembly : GLOW PLUG

Part number	Item	Description	Quantity
970312321	1	GROMMET SCREW	4
970312322	2	CONNECTOR GLOW PLUG	1
970312323	3	GLOW PLUG	4
970312324	4	TIMER ASSY,PREHEATING	1

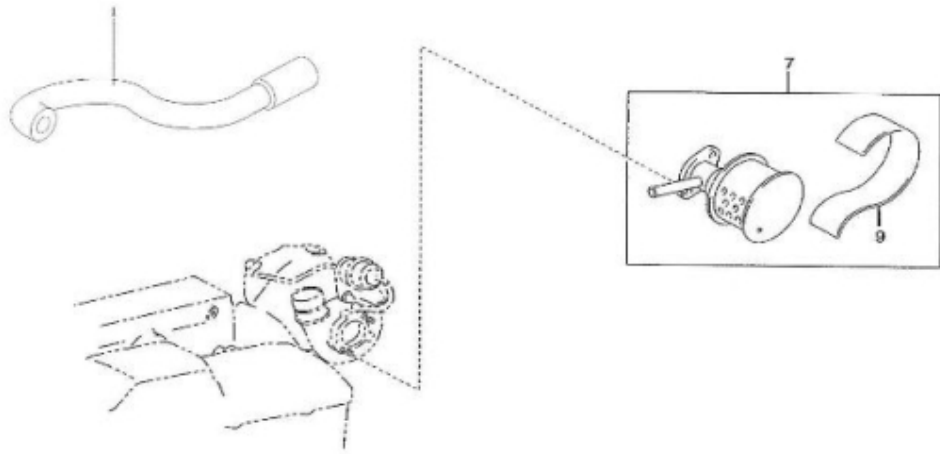




Model : T4.155 4.380TDI STANDARD ENGINE

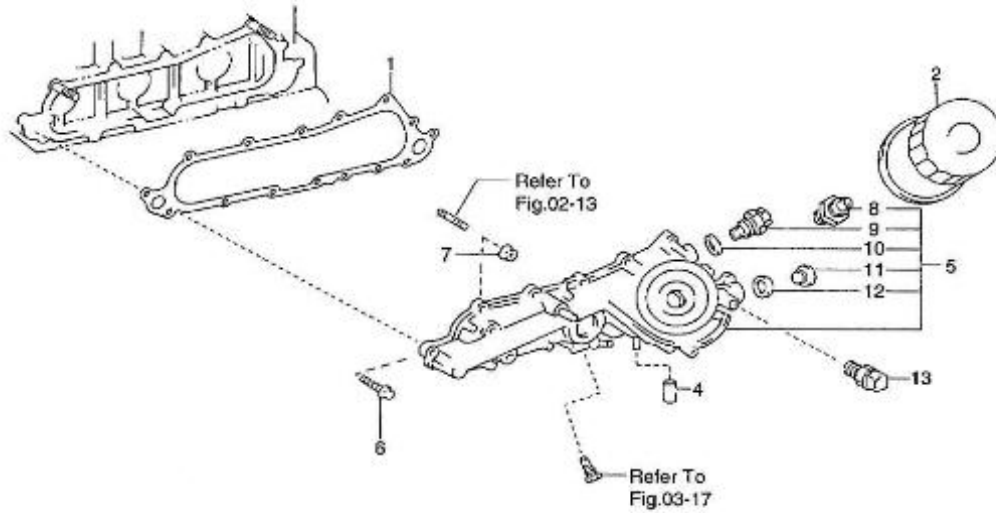
Subassembly : AIR FILTER

Part number	Item	Description	Quantity
48328103	1	HOSE	1
970312272	7	CLEANER ASSY,AIR	1
970312273	9	FILTER ELEMENT	1



Model : T4.155 4.380TDI STANDARD ENGINE

Subassembly : OIL FILTER



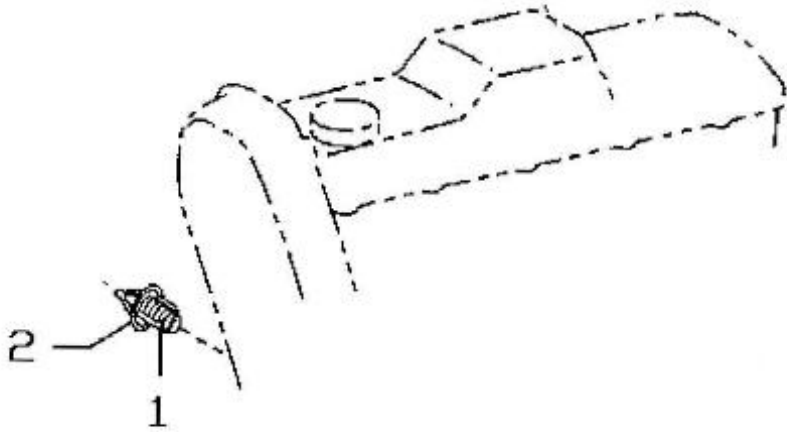
Part number	Item	Description	Quantity
970312206	1	GASKET	1
970312207	2	FILTER	1
970312208	4	CAP	1
970312209	5	COVER SUB-ASSY,OIL COOLER	1
970312210	6	BOLT,W/WASHER	13
970312061	7	NUT	2
970312212	8	UNION (FOR OIL FILTER)	1
970312213	9	VALVE ASSY,OIL COOLER RELIEF	1
970312214	10	GASKET,OIL COOLER COVER	1
970312215	11	PLUG,W/HEAD STRAIGHT SCREW	1
970312204	12	GASKET,OIL PUMP RELIEF VALVE	1
970312217	13	PLUG,INTAKE MANIHOLED SUCTION	1



Model : T4.155 4.380TDI STANDARD ENGINE

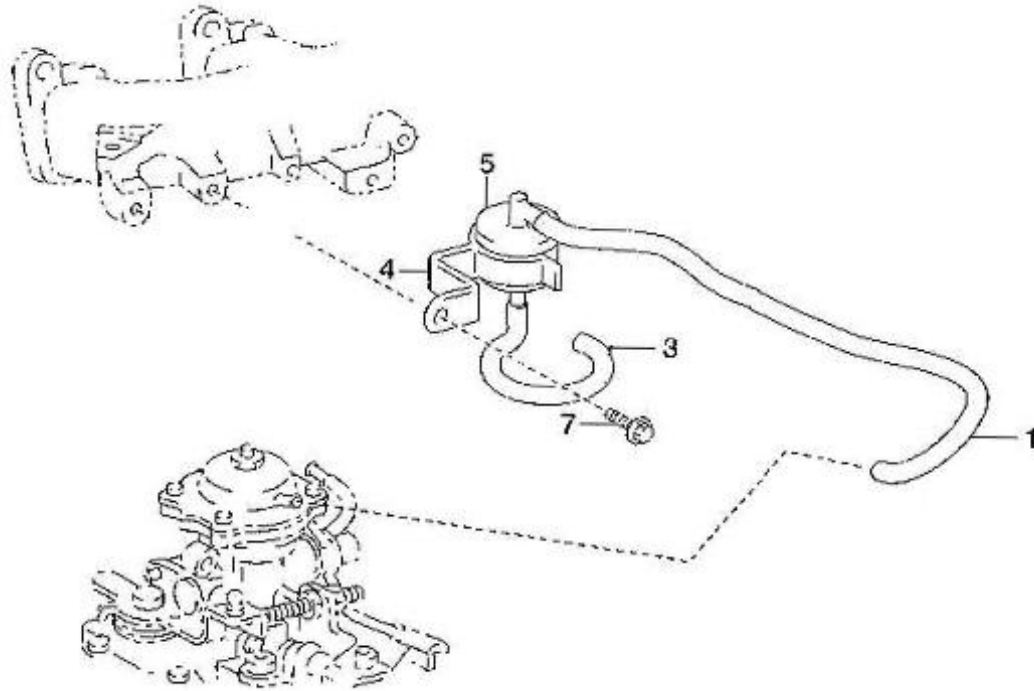
Subassembly : THERMOSTAT

Part number	Item	Description	Quantity
970312274	1	THERMOSTAT	1
970316244	2	GASKET,THERMOSTAT	0



Model : T4.155 4.380TDI STANDARD ENGINE

Subassembly : BREATHER

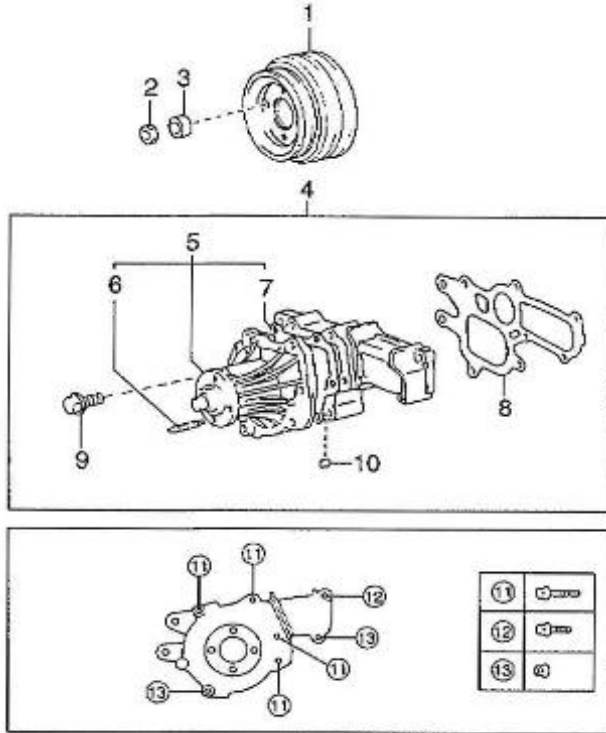


Part number	Item	Description	Quantity
970312284	4	CLAMP	1
970312285	5	FILTER,GAS	1
970312287	7	BOLT	1



Model : T4.155 4.380TDI STANDARD ENGINE

Subassembly : FRESH WATER PUMP

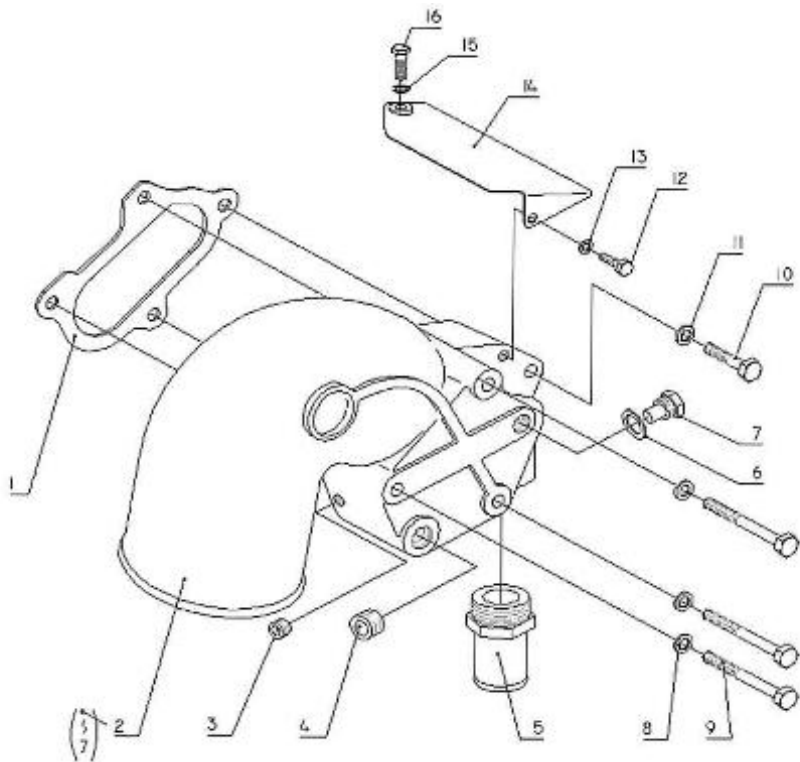


Part number	Item	Description	Quantity
970312221	1	PULLEY,FAN	1
970312278	2	NUT	4
970312223	3	SPACER	4
970312224	4	WATER PUMP	1
970312225	5	PUMP ASSY,WATER W/O COVER	1
970312226	6	BOLT,STUD	4
970312227	7	GASKET,WATER PUMP COVER	1
970312228	8	GASKET,WATER PUMP,NO.1	1
970312229	9	BOLT,FLANGE	1
970312230	10	PIN,RING	1
970312231	11	BOLT,W/WASHER	4
970312210	12	BOLT,W/WASHER	1
970312061	13	NUT	2



Model : T4.155 4.380TDI STANDARD ENGINE

Subassembly : EXHAUST ELBOW

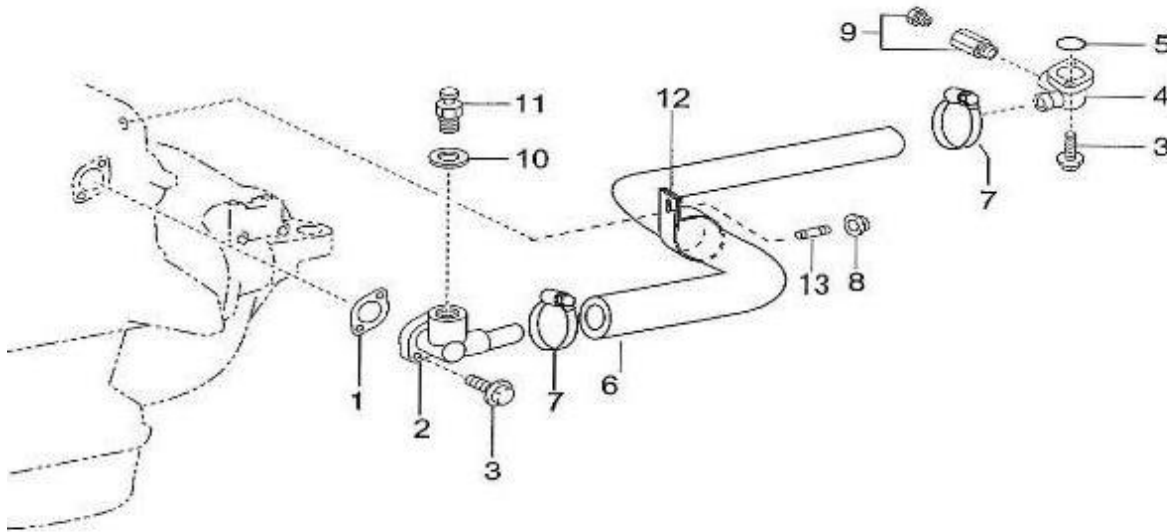


Part number	Item	Description	Quantity
970312258	1	GASKET TURBINE	1
48300380	2	MIXER	1
970494635	3	ANODE,ZINC CPL M16X1,5	1
970310264	4	PLUG	1
970892603	5	BARBED END BRASS FITTING 1 1/4	1
970300199	6	GASKET,RING D16	1
970307265	7	PLUG,HEX 1/8	1
970119139	8	WASHER,CORRUGATED D8	3
39160455	9	BOLT	3
970644594	10	BOLT,HEX M 8X 60	1
970119139	11	WASHER,CORRUGATED D8	1
970439910	12	BOLT,HEX M 6X 16	1
970119149	13	WASHER, SPRING D 6	1
95310552	14	DEFLECTOR	1
970119149	15	WASHER, SPRING D 6	1
970644006	16	BOLT,HEX M 6X 20	1



Model : T4.155 4.380TDI STANDARD ENGINE

Subassembly : TURBO, COOLING

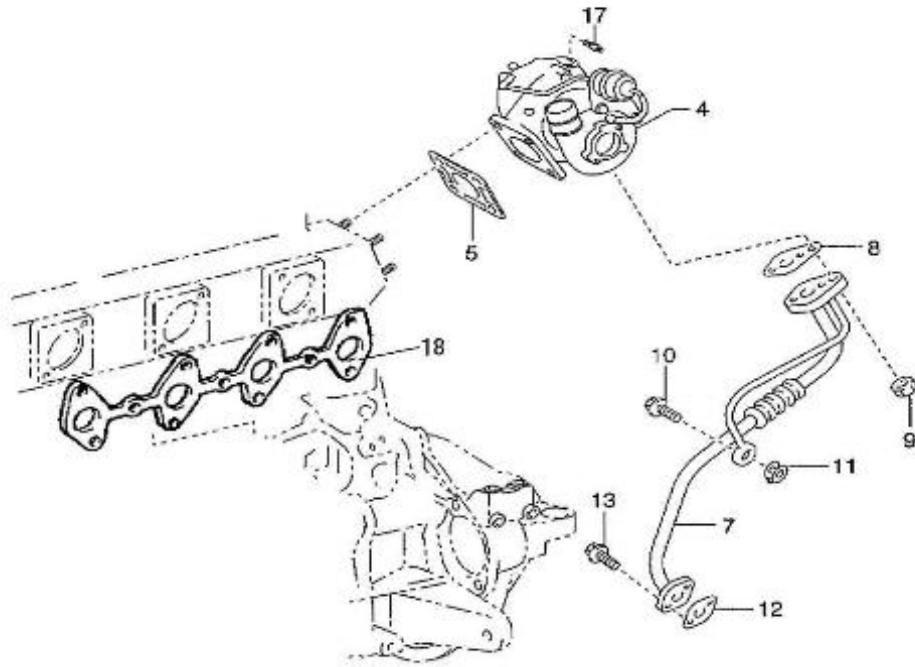


Part number	Item	Description	Quantity
970312259	1	GASKET	1
970312260	2	CONNECTOR SUB-ASSY, TURBO WATE	1
970312261	3	BOLT FLANGE	2
970312262	4	CONNECTOR TURBO WATER	1
970312263	5	RING,O	1
970312264	6	HOSE, TURBO WATER	1
970312265	7	CLAMP HOSE	1
970312261	8	BOLT FLANGE	2
970312267	9	COCK,DRAIN	1
970312268	10	GASKET	1
970312269	11	HEATER WATER SENSOR	1
970312270	12	CLAMP	1



Model : T4.155 4.380TDI STANDARD ENGINE

Subassembly : TURBO AND EXHAUST MIXER



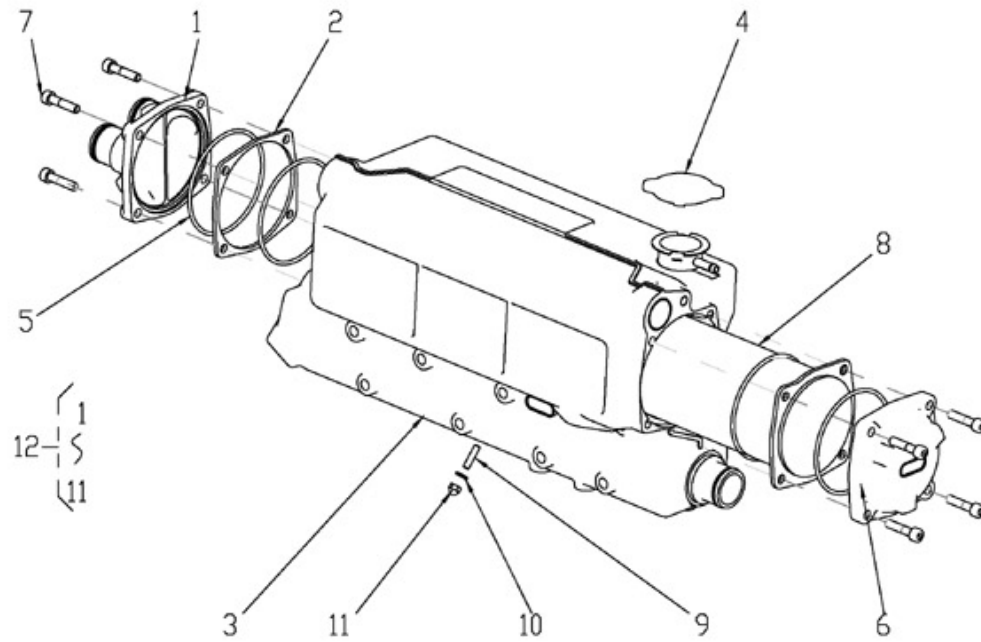
Part number	Item	Description	Quantity
970312243	4	TURBOCHARGER	1
970312244	5	GASKET TURBO	1
970312245	7	PIPE SUB-ASSY TURBO	1
970312247	9	NUT	2
970312248	10	BOLT, UNION	1
970312249	11	GASKET	1
970314030	12	GASKET, TURBO OIL OUTLET, NO.1	1
970312251	13	BOLT	2
970312252	17	COCK ASSY DRAIN	1
970312253	18	GASKET EXHAUST MANIFOLD	1





Model : T4.155 4.380TDI STANDARD ENGINE

Subassembly : HEAT EXCHANGER - DETAILS

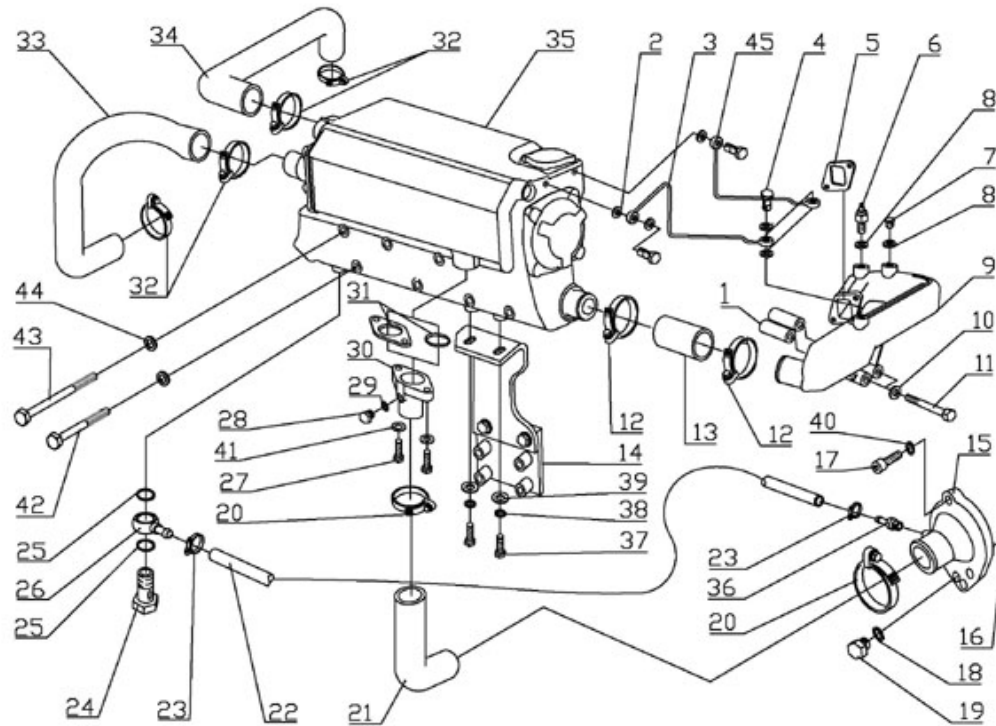


Part number	Item	Description	Quantity
970312449	1	COVER	1
970312453	2	SPACER	1
970312442	3	BODY	1
970312799	4	FILLING CAP	1
48418167	5	O RING	4
970312450	6	COVER	1
970310755	7	BOLT	8
970312451	8	TUBE STACK	1
970312802	9	BOLT M6x25	1
970312803	10	BUSH	1
970312804	11	NUT	1



Model : T4.155 4.380TDI STANDARD ENGINE

Subassembly : HEAT EXCHANGER

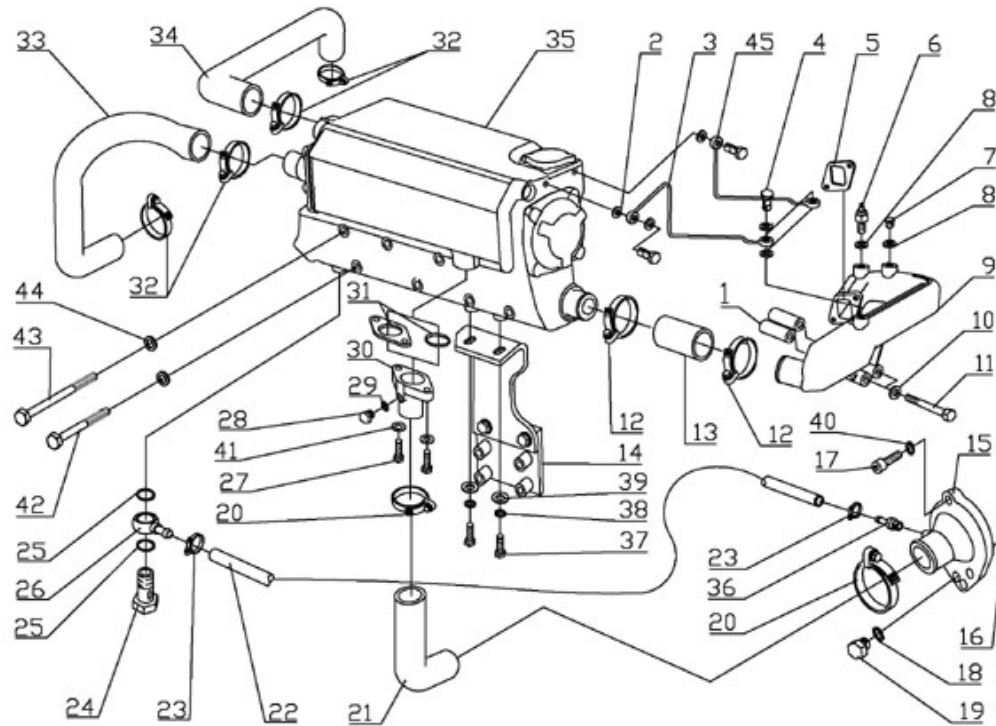


Part number	Item	Description	Quantity
43320277	1	SPACER	2
970300430	2	GASKET,RING D10	4
51306102	3	PIPE	1
970300717	4	BOLT,BANJO M10X1,25	2
970312238	5	GASKET WATER	1
970851604	6	WATER SENDER 120C +SWITCH 110C	1
970639853	7	""PLUG,HEX 3/8""G""	1
970300289	8	GASKET,RING D17	2
95710033	9	PIPE	1
970119139	10	WASHER,CORRUGATED D8	2
970300191	11	BOLT,HEX M 8X100	2
970604533	12	CLAMP,HOSE 32-44	2
32840001	13	PIPE	1
95310542	14	SUPPORT	1
95710031	15	Fresh Water Inlet Pipe 1	1
970312048	16	RING O	1
970604615	17	BOLT,SOCK M 6X 20	3
51410028	18	COLLAR	1
970875506	19	PLUG	1
970604533	20	CLAMP,HOSE 32-44	2
48328100	21	Fresh Water Hose 2	1
970434506	23	CLAMP,HOSE 13-20	2
970432515	24	BOLT,BANJO M14X1,5	1
970300306	25	GASKET,RING D14	2
970300797	26	CONNECTION,BANJO D=8/M14	1
970304082	27	BOLT	2
970639853	28	""PLUG,HEX 3/8""G""	1
970300289	29	GASKET,RING D17	1
95710032	30	FRESH FRWATER INLET PIPE 2	1
48418054	31	O RING	1
970311194	31	GASKET	1
970604533	32	CLAMP,HOSE 32-44	4
48328101	33	HOSE	1
48328099	34	HOSE	1



Model : T4.155 4.380TDI STANDARD ENGINE

Subassembly : HEAT EXCHANGER

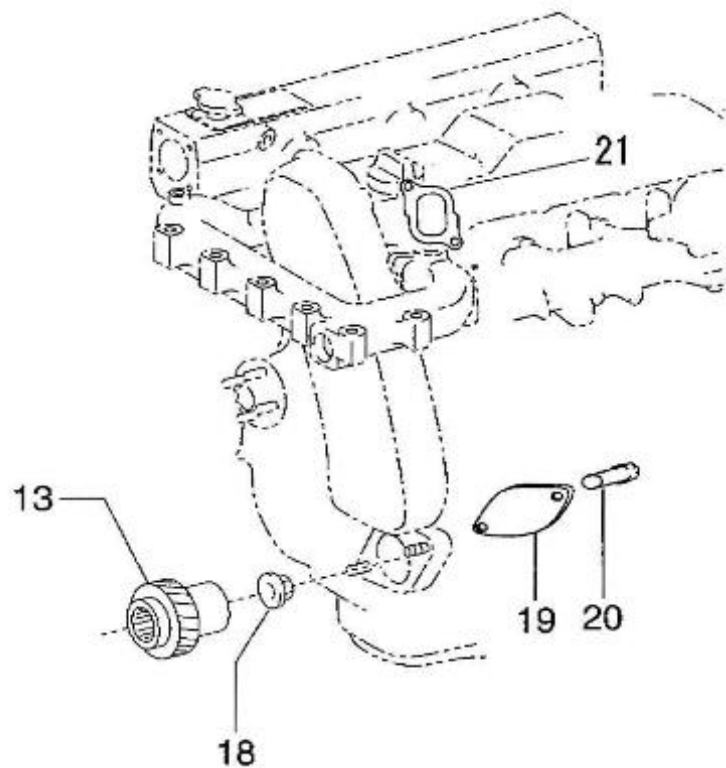


Part number	Item	Description	Quantity
970307806	36	Nipple	1
970635508	37	BOLT,HEX M10X 25	2
970119136	38	WASHER,SPRING D10	2
970119135	39	WASHER,PLAIN D10	2
970609602	40	WASHER,CORRUGATED D 6	3
970119139	41	WASHER,CORRUGATED D8	2
970310228	42	BOLT	5
39160454	43	BOLT	3
970119137	44	WASHER,CORRUGATED D10	8



Model : T4.155 4.380TDI STANDARD ENGINE

Subassembly : SEA WATER PUMP

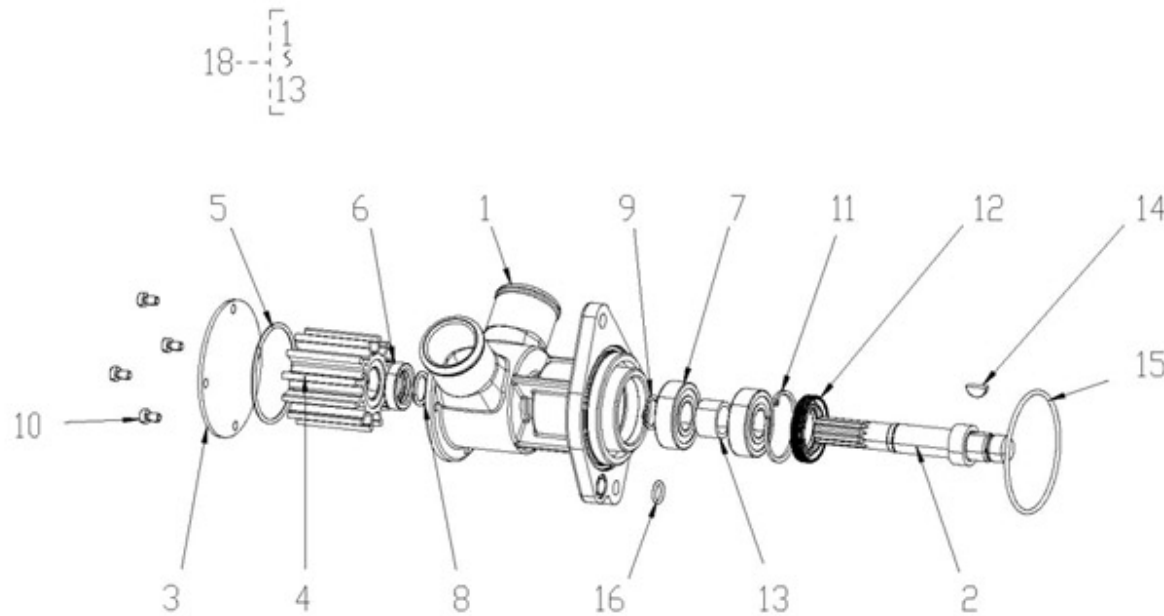


Part number	Item	Description	Quantity
970312234	13	GEAR PUMP	1
970312235	18	NUT	1
970312236	19	COVER	1
970312237	20	SCREW	2
970312238	21	GASKET WATER	1



Model : T4.155 4.380TDI STANDARD ENGINE

Subassembly : SEA WATER PUMP - DETAILS

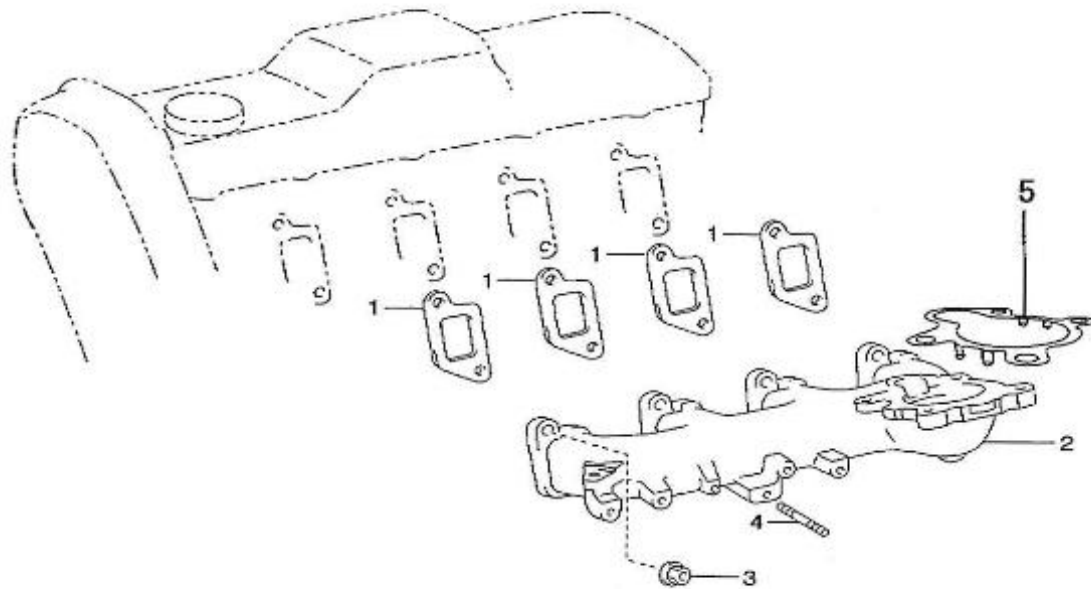


Part number	Item	Description	Quantity
970312421	2	SHAFT	1
970312422	3	END COVER	1
970312423	4	IMPELLER	1
970312424	5	O RING	1
970614516	6	O-RING SEAL	1
970312426	7	BALL BEARING	2
970614626	8	O-RING,WATER PUMP F7B-9/10	1
970304049	9	CIR-CLIP	1
970312429	10	SCREW	4
970614627	11	RING,RETAINING	1
970312430	12	LIP SEAL	1
970312431	13	SPACER	1
55303041	14	KEY	1
48418165	15	O RING	1
970302856	16	O-RING	1
970312432	17	REPAIR KIT	1
970311169B	18	POMPE A EAU DE MER M1KZ-M1KD	1



Model : T4.155 4.380TDI STANDARD ENGINE

Subassembly : INTAKE MANIFOLD

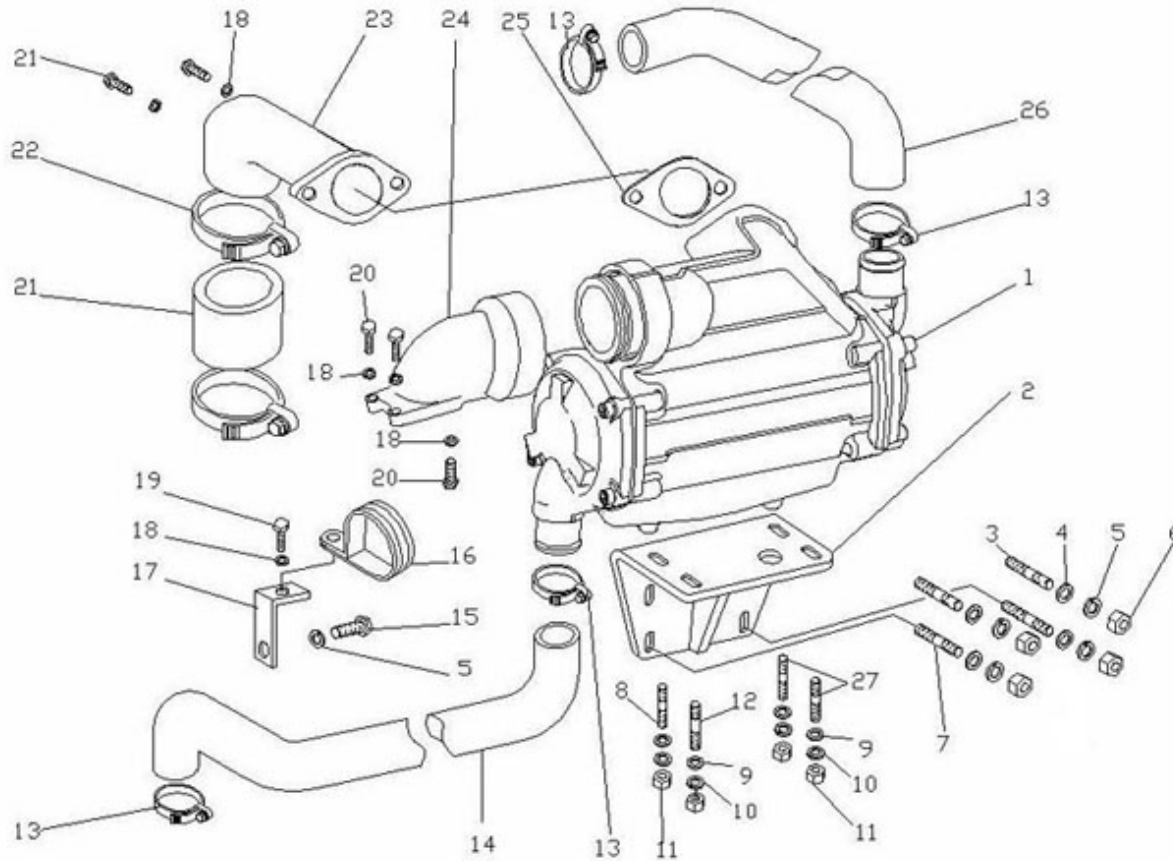


Part number	Item	Description	Quantity
970312276	1	GASKET	4
970312277	2	MANIFOLD SUB-ASSY, INTAKE	1
970312278	3	NUT	8
970312279	4	BOLT, STUD	2
970312280	5	GASKET, VENTURI	1



Model : T4.155 4.380TDI STANDARD ENGINE

Subassembly : AIR COOLER

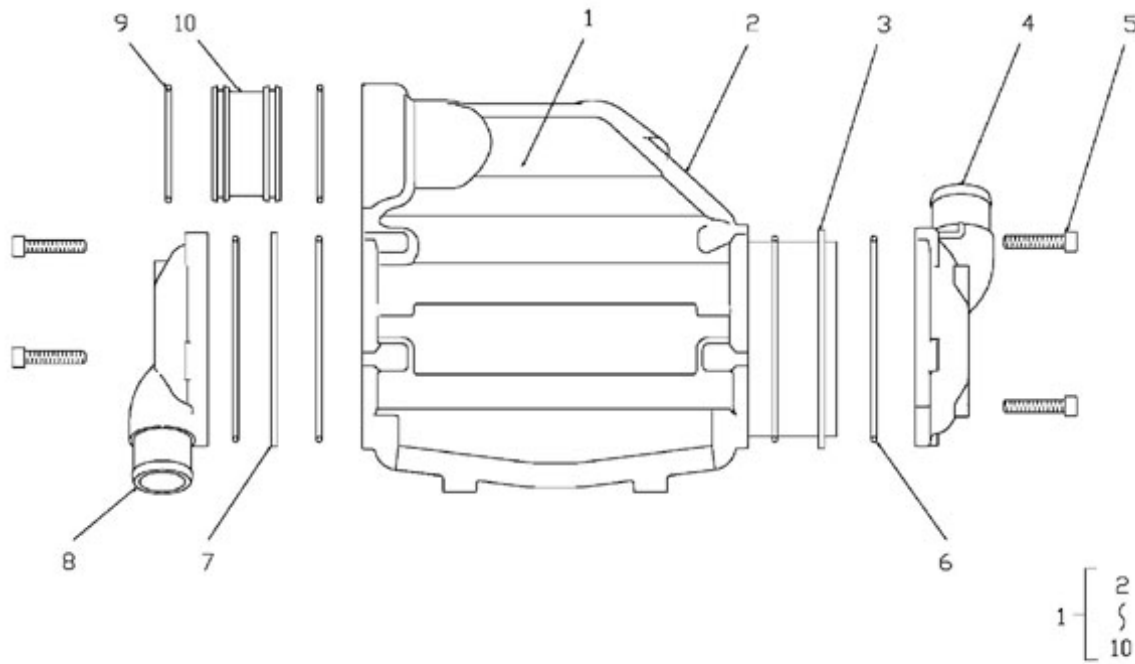


Part number	Item	Description	Quantity
48300379	1	HEAT EXCHANGER	1
95310541	2	SUPPORT	1
970649725	3	STUD	3
970119135	4	WASHER,PLAIN D10	4
970119136	5	WASHER,SPRING D10	4
970119143	6	NUT, M10	4
39020403	7	STUD BOLT	1
970649725	7	STUD	1
39020301	8	STUD BOLT	1
970027323	9	WASHER,PLAIN D 8	4
970119138	10	WASHER,SPRING D 8	4
970027322	11	NUT,M 8	4
970300057	12	STUD,M 8X 20	1
970604533	13	CLAMP,HOSE 32-44	4
48328098	14	HOSE	1
970300044	15	BOLT,HEX M10X1,25X 25	1
48100189	16	CLAMP	1
95303419	17	SUPPORT	1
970119139	18	WASHER,CORRUGATED D8	6
970639903	19	BOLT,HEX M 8X 16	1
970409603	20	BOLT,HEX M 8X 25	6
51850001	21	HOSE	1
970634621	22	CLAMP,HOSE	2
95710030	23	AIR INLET PIPE	1
95710029	24	AIR OUTLET PIPE	1
970311189	25	GASKET	1
48328099	26	HOSE	1
39020301	27	STUD BOLT	2
39020443	27	STUD	2



Model : T4.155 4.380TDI STANDARD ENGINE

Subassembly : AIR COOLER - DETAILS



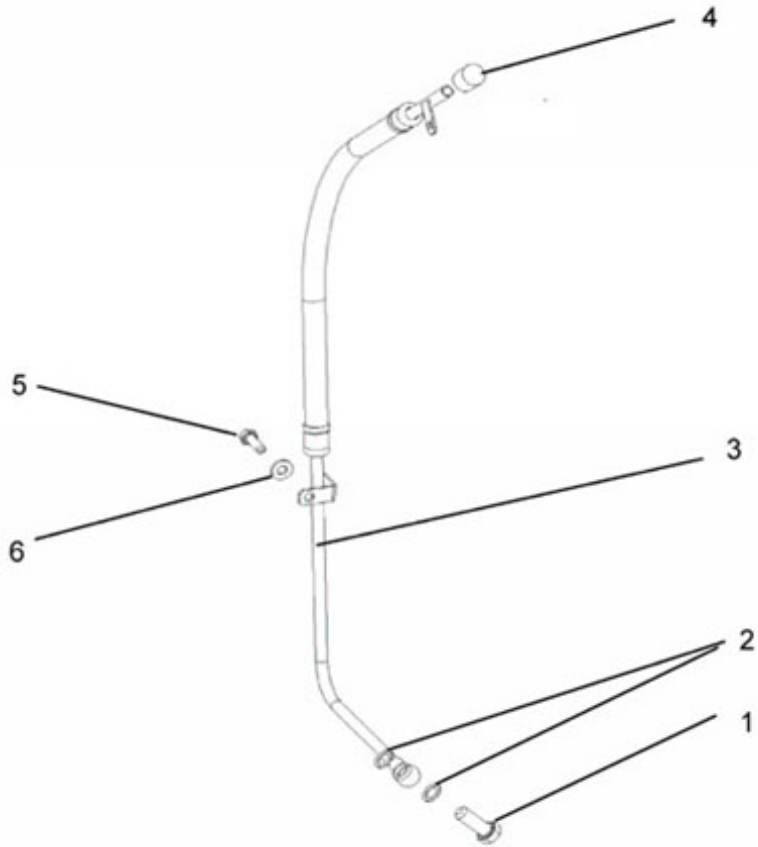
Part number	Item	Description	Quantity
48300379	1	HEAT EXCHANGER	1
970312412	2	BODY	1
970312415	3	TUBE STACK	1
970310755	5	BOLT	4
48418168	6	O RING	4
970312416	7	SPACER	1
970312413	8	COVER	1
48418164	9	O RING	2
970312419	10	UNION	1





Model : T4.155 4.380TDI STANDARD ENGINE

Subassembly : OIL DRAIN PUMP



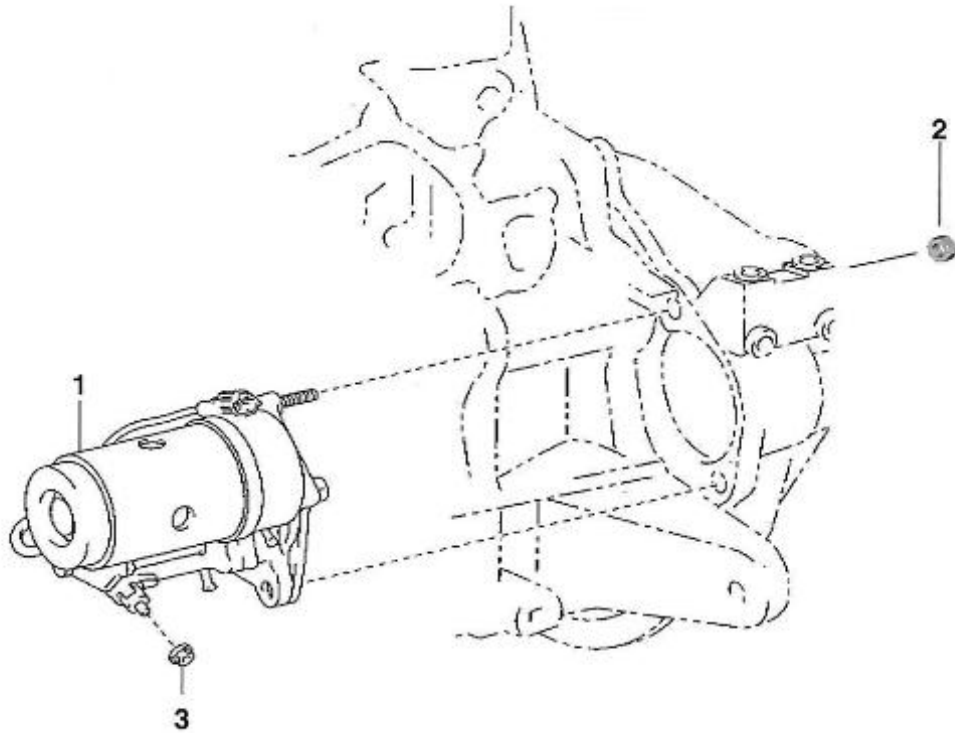
Part number	Item	Description	Quantity
970312248	1	BOLT, UNION	1
970300325	2	RING,SEAL D12	2
51310004	3	PIPE	1
970310164	4	Cap	1
970119141	5	BOLT,HEX M8X 20	1
970119138	6	WASHER,SPRING D 8	1



Model : T4.155 4.380TDI STANDARD ENGINE

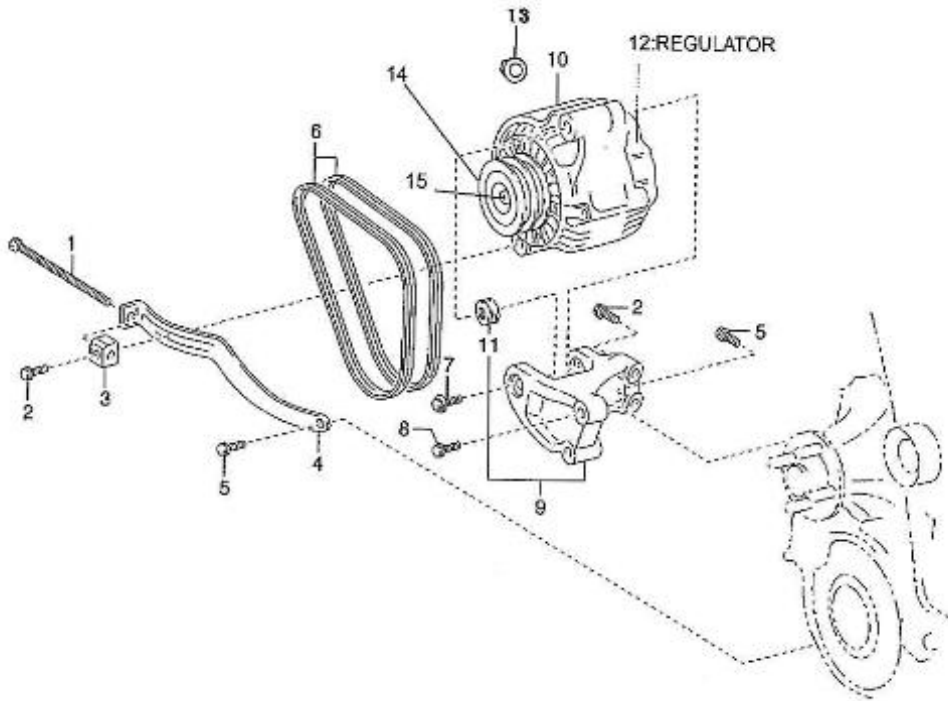
Subassembly : STARTER

Part number	Item	Description	Quantity
970312328	1	STARTER ASSY	1
39360918	2	NUT	1
970312329	3	NUT	1



Model : T4.155 4.380TDI STANDARD ENGINE

Subassembly : ALTERNATOR



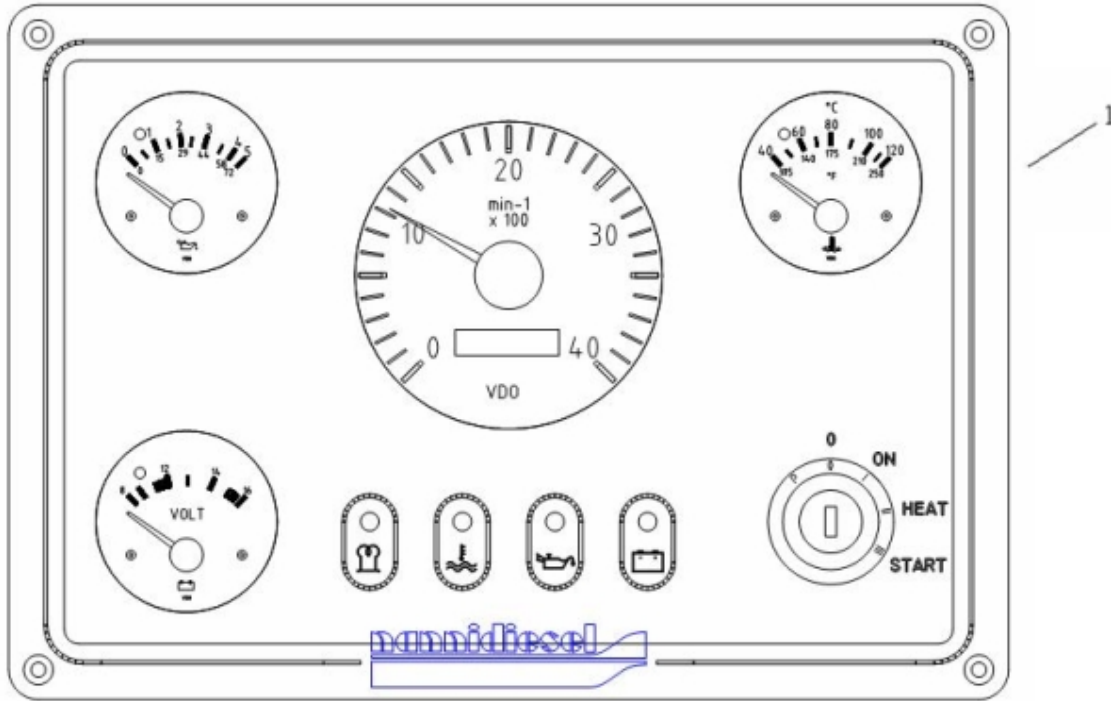
Part number	Item	Description	Quantity
970312330	1	BOLT	1
970312331	2	BOLT	1
970312332	3	SLIDER, FAN BELT	1
970312333	4	BAR, FAN BELT	1
970312334	5	BOLT	1
970312335	6	BELT	1
970312336	7	BOLT	1
970312337	8	BOLT, FLANGE	2
970312338	9	BRACKET, ALTERNATOR	1
970312339	10	ALTERNATOR	1
970312340	11	ALTERNATOR	1
970312341	12	REGULATOR	1
970312342	13	NUT	1
970312343	14	PULLEY	1
970312344	15	NUT	1



Model : T4.155 4.380TDI STANDARD ENGINE

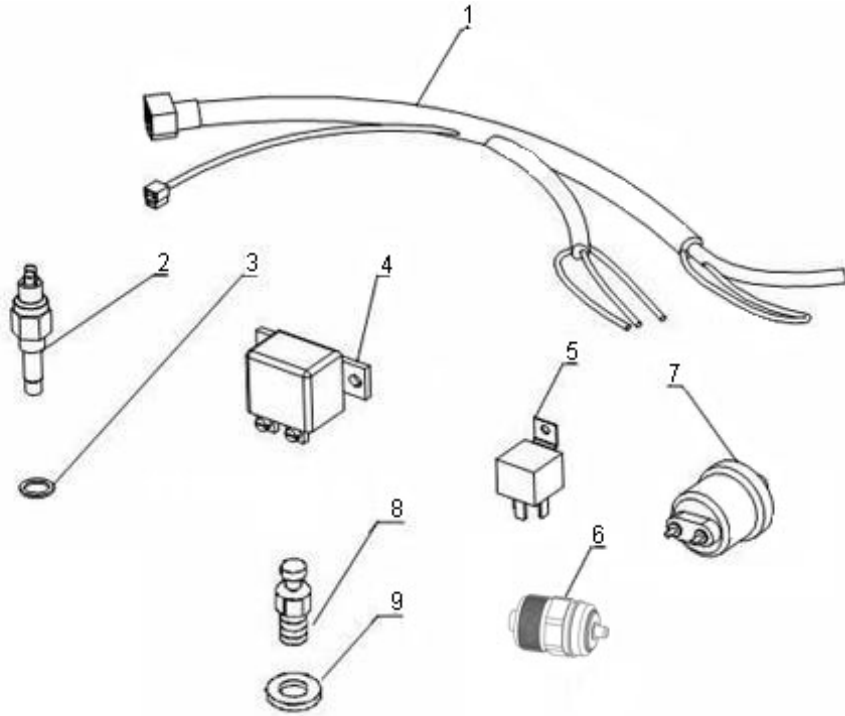
Subassembly : INSTRUMENT PANELS

Part number	Item	Description	Quantity
674382	1	PANEL	1



Model : T4.155 4.380TDI STANDARD ENGINE

Subassembly : ELECTRICAL EQUIPMENTS

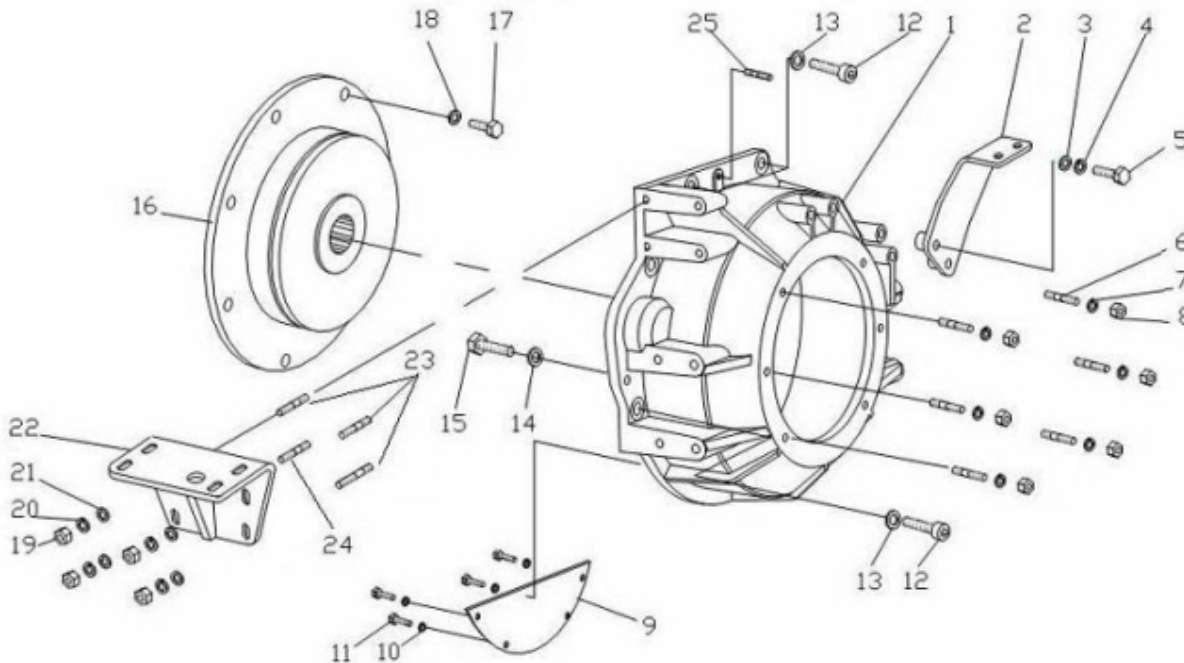


Part number	Item	Description	Quantity
674396	1	WIRING	1
970851604	2	WATER SENDER 120C +SWITCH 110C	1
970300306	3	GASKET,RING D14	1
970300715	4	RELAY,12V-75A GLOW PLUG	1
970300716	5	RELAY,12V-30A	1
48201106	6	ELECTROVANNE DE STOP TOY	1
48201143	7	OIL PRESSURE SENDER	1
970312269	8	HEATER WATER SENSOR	1
970312268	9	GASKET	1



Model : T4.155 4.380TDI STANDARD ENGINE

Subassembly : GEAR BOX FLANGE

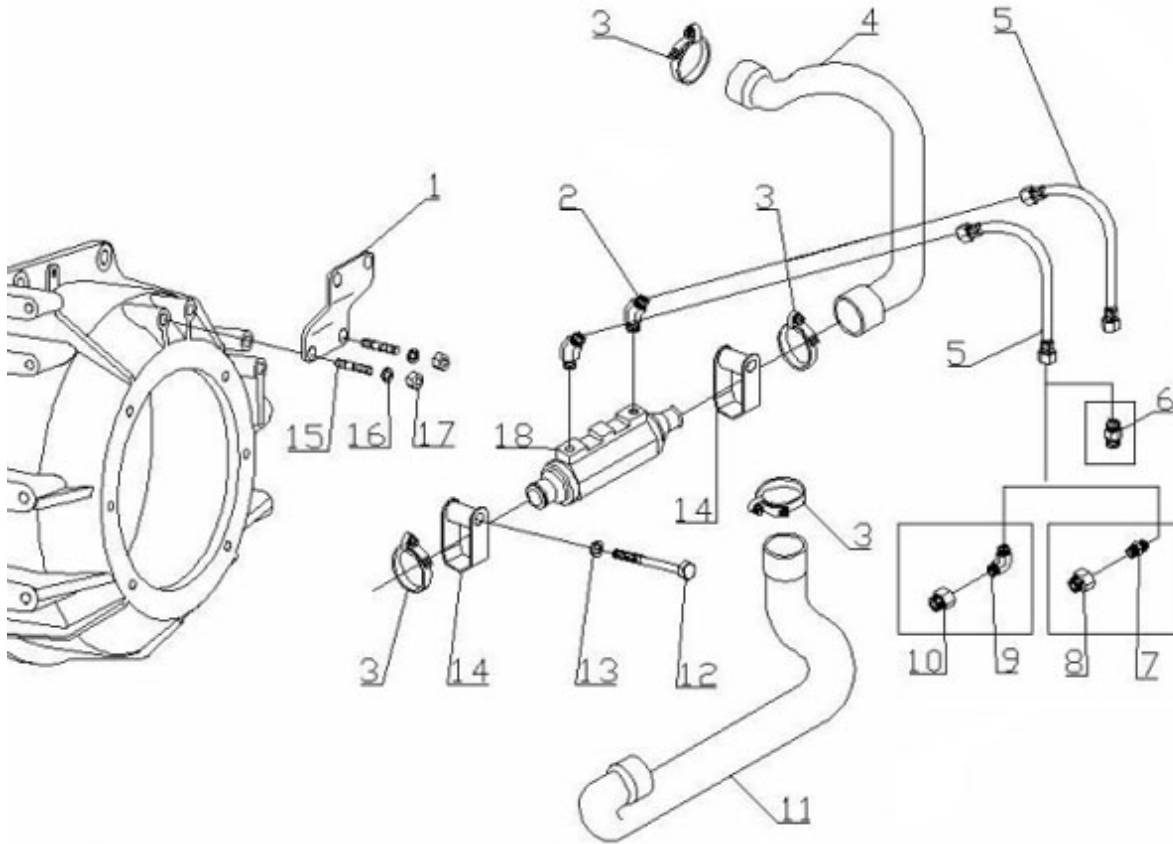


Part number	Item	Description	Quantity
95200229	1	HOUSING	1
95310546	2	SUPPORT	1
970119135	3	WASHER,PLAIN D10	2
970119136	4	WASHER,SPRING D10	2
970301583	5	BOLT,HEX M10X 40	2
970649725	6	STUD	6
970119137	7	WASHER,CORRUGATED D10	6
970119143	8	NUT, M10	6
95203062	9	GUARD PLATE	1
970119149	10	WASHER, SPRING D 6	4
41160208	11	BOLT	4
39129510	12	BOLT	5
970647606	13	WASHER,CORRUGATED D12	5
970647606	14	WASHER,CORRUGATED D12	1
39160549	15	BOLT	1
970311177	16	COUPLING	1
39160463	17	BOLT,HEX M10X1,25X 25	6
970119137	18	WASHER,CORRUGATED D10	6
970119143	19	NUT, M10	4
970119136	20	WASHER,SPRING D10	4
970119135	21	WASHER,PLAIN D10	4
95310541	22	SUPPORT	1
970649725	23	STUD	3
39020403	24	STUD BOLT	1
970649725	24	STUD	1
39020301	25	STUD BOLT	1



Model : T4.155 4.380TDI STANDARD ENGINE

Subassembly : GEAR BOX OIL COOLER



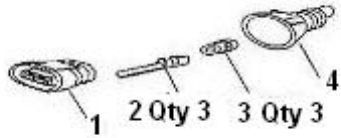
Part number	Item	Description	Quantity
95310547	1	SUPPORT	1
48300031	2	ELBOW 45	2
970604533	3	CLAMP,HOSE 32-44	4
48328101	4	HOSE	1
48300080	5	HOSE	2
48300084	6	ELBOW	2
48300308	7	ELBOW	2
48300318	8	UNION	1
48300035	9	ELBOW 92	2
48300318	10	UNION	2
48328102	11	HOSE	1
39160442	12	BOLT	2
970119136	13	WASHER,SPRING D10	2
95203065	14	CLAMP	2
970649725	15	STUD	2
970119136	16	WASHER,SPRING D10	2
970119143	17	NUT, M10	2
48300373	18	OIL COOLER	1



**Model : T4.155 4.380TDI STANDARD ENGINE**

**Subassembly : CONNECTORS**

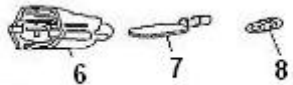
For alternator



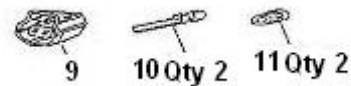
For Injection pump



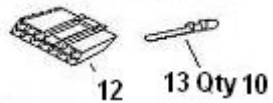
For starter magnet switch



For water temperature sensor



For preheating timer



For turbo pressure sensor



For filter assy, fuel



For starter +B, alternator +B



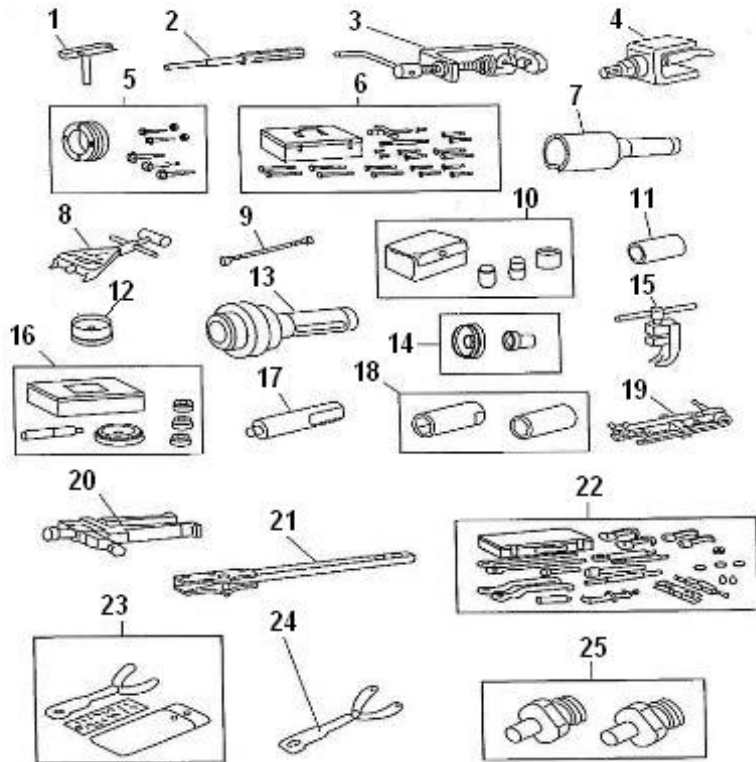
Part number	Item	Description	Quantity
970312353	1	CONNECTION HOLDER	1
970312354	2	CONNECTION	6
970312355	3	GASKET	11
970312356	4	PROTECTION	1
970312357	5	CONNECTION HOLDER	1
970312358	6	CONNECTION HOLDER	1
970312359	7	CONNECTION	1
970312360	8	GASKET	1
970312361	9	CONNECTION HOLDER	1
970312362	10	CONNECTION	2
970312363	11	GASKET	2
970312364	12	CONNECTION HOLDER	1
970312365	13	CONNECTION	10
970312366	14	HOUSING, CONNECTOR FEMALE	1
970312367	15	TERMINAL, FEMALE	3
970312368	16	CONNECTION	1
970312369	17	CONNECTION	2
970312370	18	TERMINAL, FEMALE	2
970312371	19	PROTECTION	2





Model : T4.155 4.380TDI STANDARD ENGINE

Subassembly : TOOLS

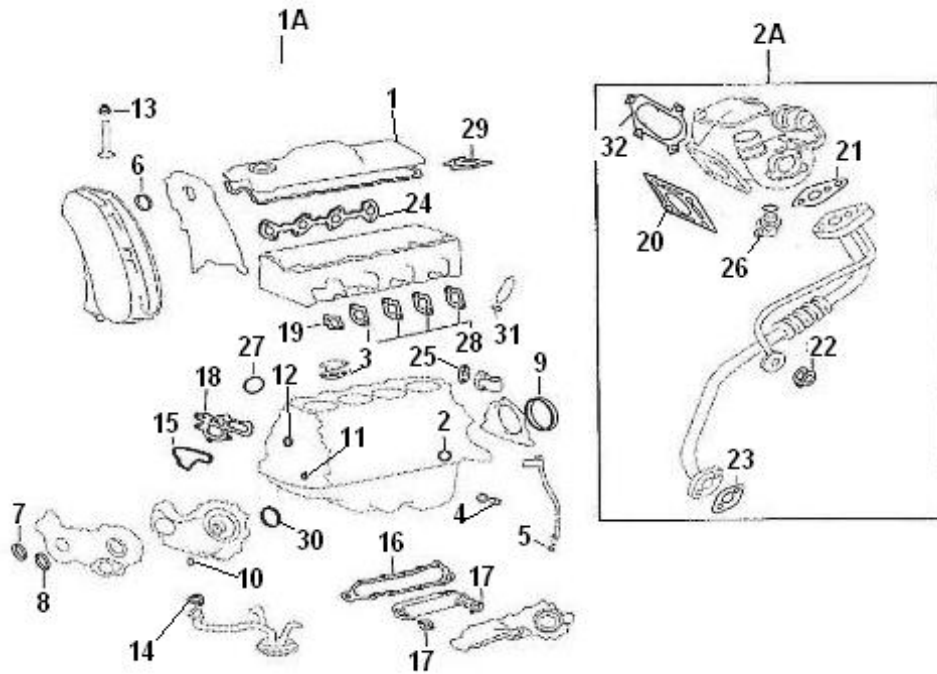


Part number	Item	Description	Quantity
970312372	3	VALVE TOOL	1
970312373	4	TOOL	1
970312374	6	EXTRACTOR	1
970312375	8	BELT TENSION GAUGE	1
970312376	13	TOOL	1
970312377	15	VALVE CLEARANCE ADJUSTING TOOL	1
970312378	19	INJECTION PUMP TOOL	1



Model : T4.155 4.380TDI STANDARD ENGINE

Subassembly : TOOLS - GASKETS KIT



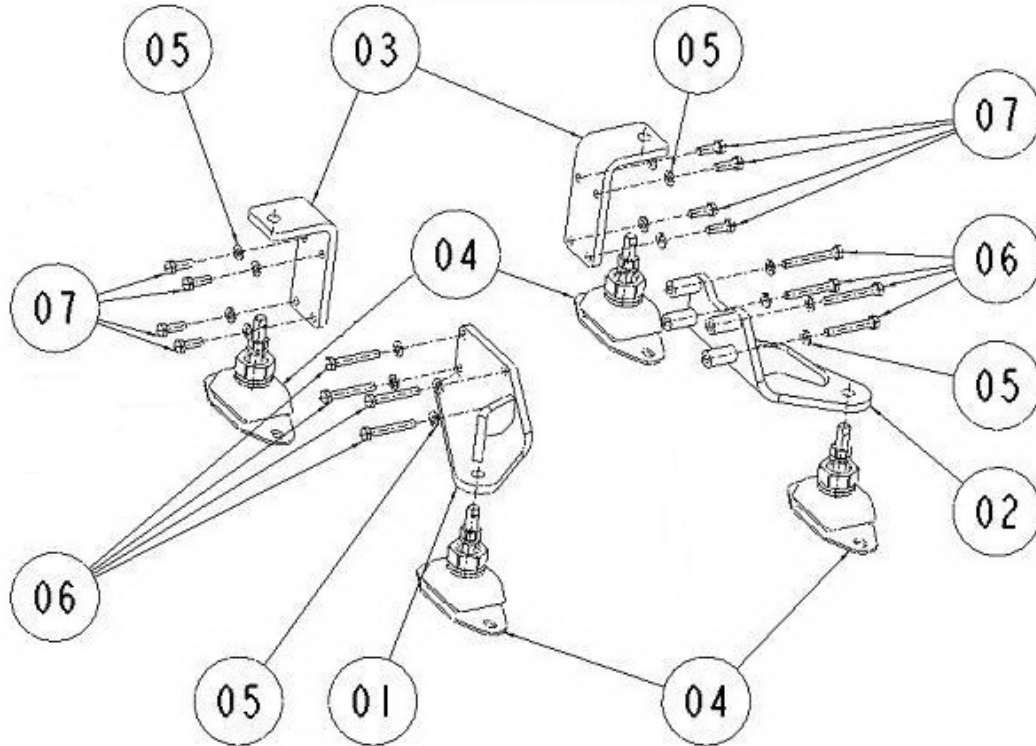
Part number	Item	Description	Quantity
970312002	1	GASKET	1
970312348	1	SET OF GASKETS	1
970312054	2	O RING	1
970312349	2	SET OF GASKETS	1
970312259	3	GASKET	1
970312350	3	GASKET SET	1
970312064	4	GASKET	1
970312094	5	O RING	1
970312078	6	GASKET	1
970312082	7	GASKET	1
970312083	8	GASKET	1
970312088	9	GASKET	1
970312094	10	O RING	1
970312101	11	O-RING GEAR CASE	1
970312102	12	O RING	1
970312175	13	GASKET	8
970312199	14	GASKET,OILSTRAINER FLANGE	1
970312201	15	GASKET,OIL PUMP	1
970312206	16	GASKET	1
970312219	17	GASKET	2
970312228	18	GASKET,WATER PUMP,NO.1	1
970312238	19	GASKET WATER	1
970312244	20	GASKET TURBO	1
970312249	22	GASKET	1
970314030	23	GASKET, TURBO OIL OUTLET, NO.1	1
970312253	24	GASKET EXHAUST MANIFOLD	1
970312259	25	GASKET	1
970312263	26	RING,O	1
970316244	27	GASKET,THERMOSTAT	0
970312276	28	GASKET	4
970312280	29	GASKET,VENTURI	1
970312298	30	RING,O	1
970312309	31	GASKET	4
970312258	32	GASKET TURBINE	1



Model : T4.155 4.380TDI STANDARD ENGINE

Subassembly : SUPPORT AND MOUNTING

REGLAGE ALTIMETRIQUE NOUVEAU MODELE  
HEIGHT ADJUSTER NEW TYPE



Part number	Item	Description	Quantity
95310887	1	BRACKET	1
95310886	2	BRACKET	1
95310540	3	SUPPORT	2
TA600V02PR	4	RUBBER MOUNT ASSY 40 SH KIT (2 UNITS)	2
970119136	5	WASHER,SPRING D10	16
970307695	6	BOLT	8
970649721	7	BOLT,HEX M10X 30	8

