



HSR-BENELLI
MOMENTS BEFORE FLYING

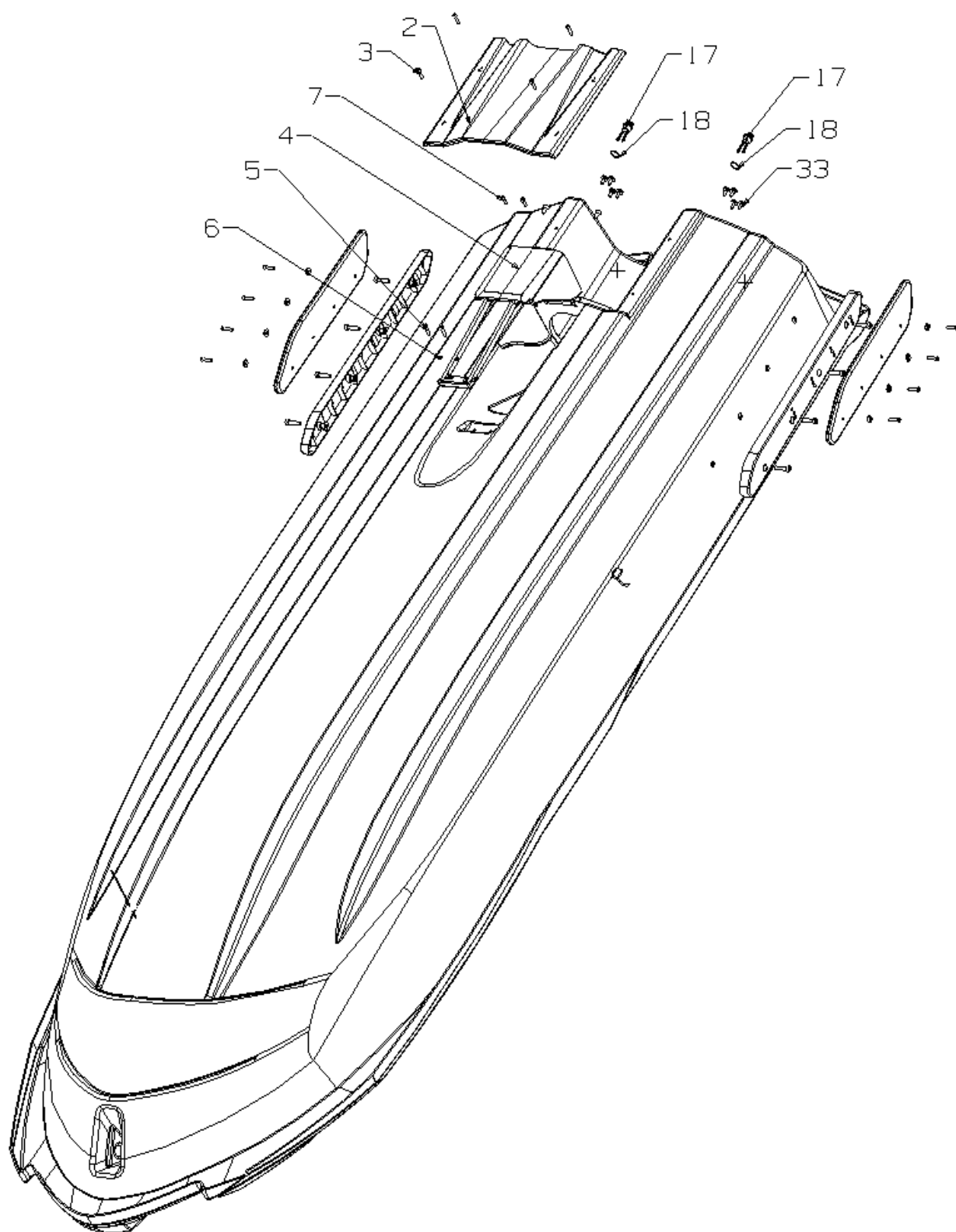
HSR-BENELLI SPARE PARTS CATALOG

SERIES-R Pro

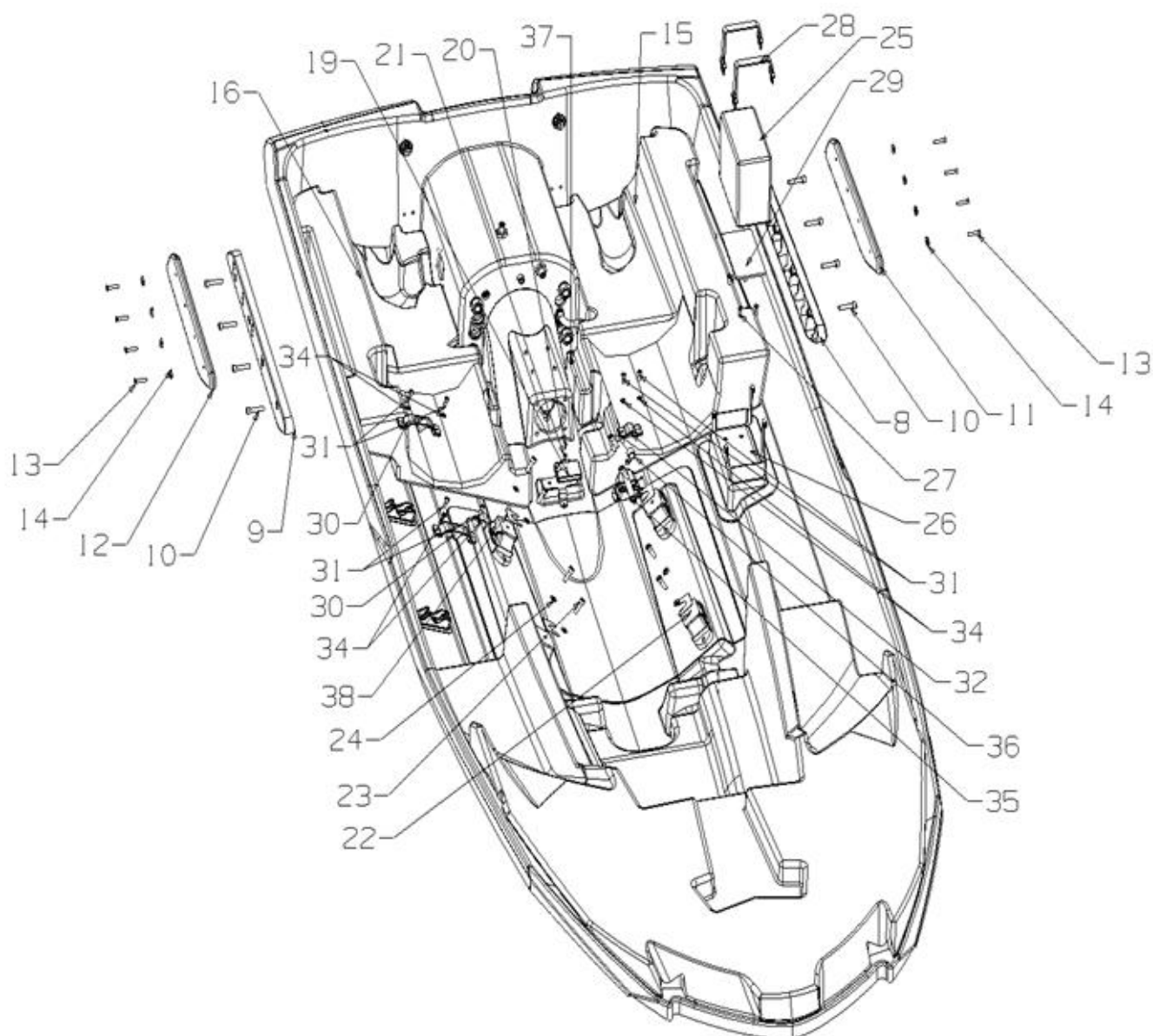


SPARE PART CATALOGUE Series – R PRO

HULL 1:



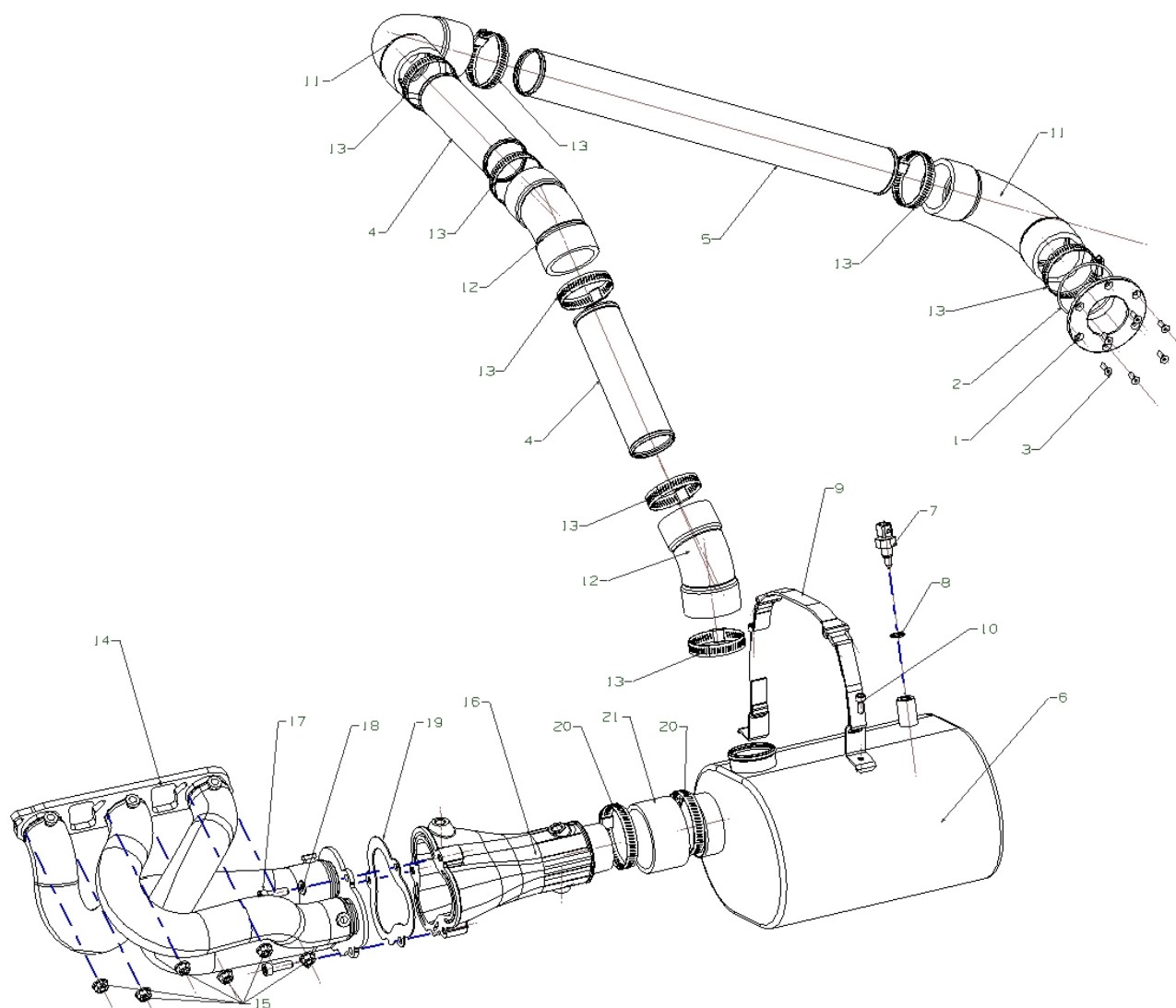
HULL 2:



#	Bennennung	PART DESCRIPTION	Part number	Q-ty	TORQUE
2	Pumpenabdeckplatte	RIDING PLATE	HSR20_01_01_004	1	
3	Schraube Zyl.kopf M6x20 5er Inbus ISO 4762	SCREW	HSR00_99_01_017	4	12Nm
4	Einlaufgitter Kombi	INTAKE GRATE COMBI	HSR20_01_01_003	1	
5	Schraube Zyl.kopf M6x20 5er Inbus mit niedrigem Kopf und Schlüsselführung	SOCKET HEAD SCREW M6 X 20	HSR00_99_01_079	2	8Nm
6	Scheibe A 6,4 DIN 125	WASHER A 6.4 DIN 125	HSR00_99_01_036	2	
7	Schraube Zyl.kopf M6x16 5er Inbus ISO4762	SOCKED HEAD SCREW M6 X 16	HSR00_99_01_019	2	8Nm

8	Grundplatte Sponson li.	BASEPLATE SPONSON LH	HSR20_01_01_010	1	
9	Grundplatte Sponson re.	BASEPLATE SPONSON RH	HSR20_01_01_011	1	
10	Schraube Zyl.kopf M8x35 6er Inbus ISO4762	SCREW	HSR00_99_01_008	8	10Nm
11	Sponson li.	SPONSON LH	HSR20_01_01_012	1	
12	Sponson re.	SPONSON RH	HSR20_01_01_022	1	
13	Schraube Senkkopf 6x30 4er Inbus DIN 7991	SCREW	HSR00_99_01_078	8	5Nm
14	Rosette Vollmetall A2 6,4x18x3,8	ROSETTE FULL METAL A2 6,4X18X3,8	HSR00_99_09_078	8	
15	Auftriebskörper hinten li.	FLOATING BODY BACK LH	HSR20_01_01_015	1	
16	Auftriebskörper hinten re.	FLOATING BODY BACK RH	HSR20_01_01_016	1	
17	Drainageauslass	DRAINAGE OUTLET	HSR20_01_04_001	2	
18	O-Ring 19 x 2 mm NBR70 Shore	O-RING	HSR00_99_03_028	2	
19	Drainagebox	DRAINAGE BOX	HSR20_01_04_004	1	
20	Schraube Zyl.kopf M4x10 3er Inbus ISO4762	SCREW	HSR00_99_01_083	1	1,5Nm
21	Scheibe A 4,3	WASHER	HSR00_99_01_009	1	
22	Motoraufhängung	ENGINE SUSPENSION	HSR03_05_01_000	4	
23	Schraube Zyl.kopf M8x25 6er Inbus ISO4762	SCREW	HSR00_99_01_037	8	30Nm
24	Scheibe A 8,4 DIN 125	WASHER	HSR00_99_01_062	8	
25	Batterie YTX20L-BS	BATTERY YTX20L-BS	HSR00_99_09_006	1	
26	Batteriehalterung	BATTERY HOLDER	HSR20_05_04_001	1	
27	Schraube Senkkopf M6x20 DIN 7991 4er Inbus	SCREW	HSR00_99_01_096	4	10Nm
28	Haltegurt Batterie	TETHER BATTERY	HSR03_05_04_002	2	
29	Moosgummipad	CELLULAR RUBBER PAD	HSR03_05_04_003	1	
30	Halter Kühlwasserrohre Motor	FASTENER COOLING PIPES ENGINE	HSR03_09_00_009	2	
31	Schraube Zyl.kopf M6x16 5er Inbus ISO4762	SCREW	HSR00_99_01_019	6	5Nm
32	Halter Kühlwasserrohre Abgas	FASTENER COOLING PIPES EXHAUST	HSR03_09_01_005	1	
33	Rändelschraube PA6.6 schwarz M6	SCREW BLACK	HSR00_99_09_086	8	
34	Scheibe A6,4 DIN 125	WASHER	HSR0099_01_036	6	
35	Kühlwasserrohr Abgas	COOLING PIPE EXHAUST	HSR20_09_01_001	1	
36	Moosgummipad	PAD	HSR00_01_01_040	1	
37	Schraube Zyl.kopf M5x10 ISO4762	SCREW	HSR00_01_01_040	1	
38	Distanzscheibe 0,5mm	SHIM 0,5MM	HSR00_99_09_112	4	
	Distanzscheibe 1,0mm	SHIM 1,0MM	HSR00_99_09_113	4	

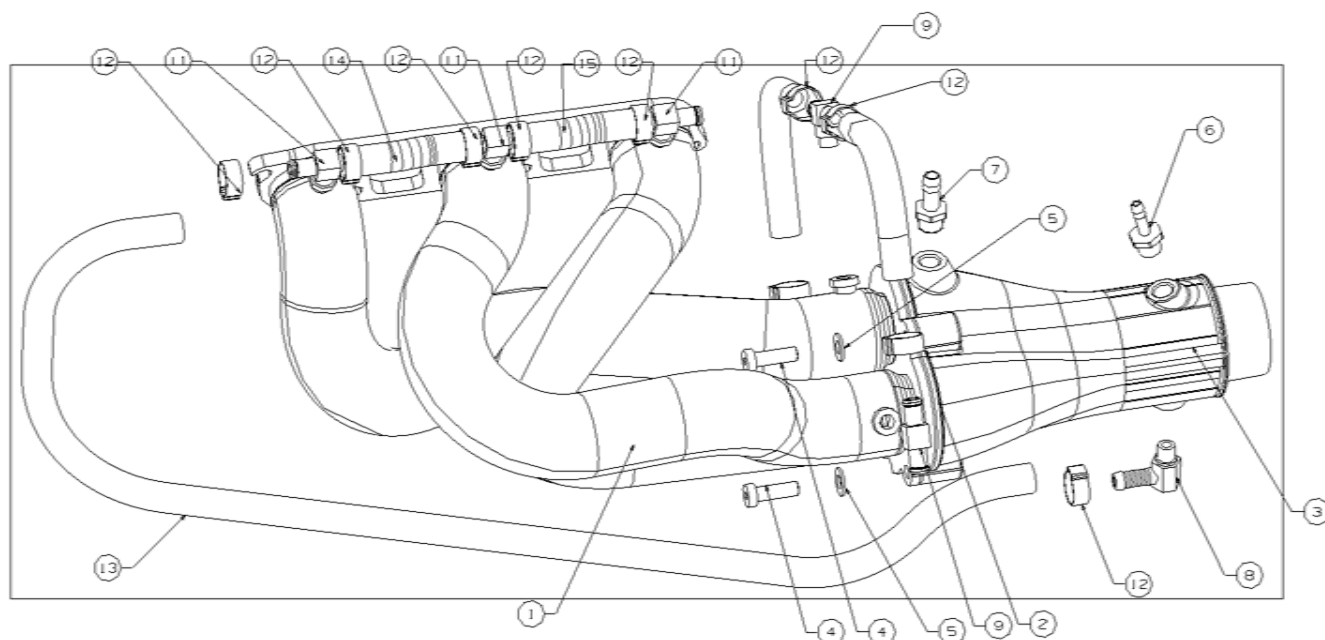
EXHAUST SYSTEM:



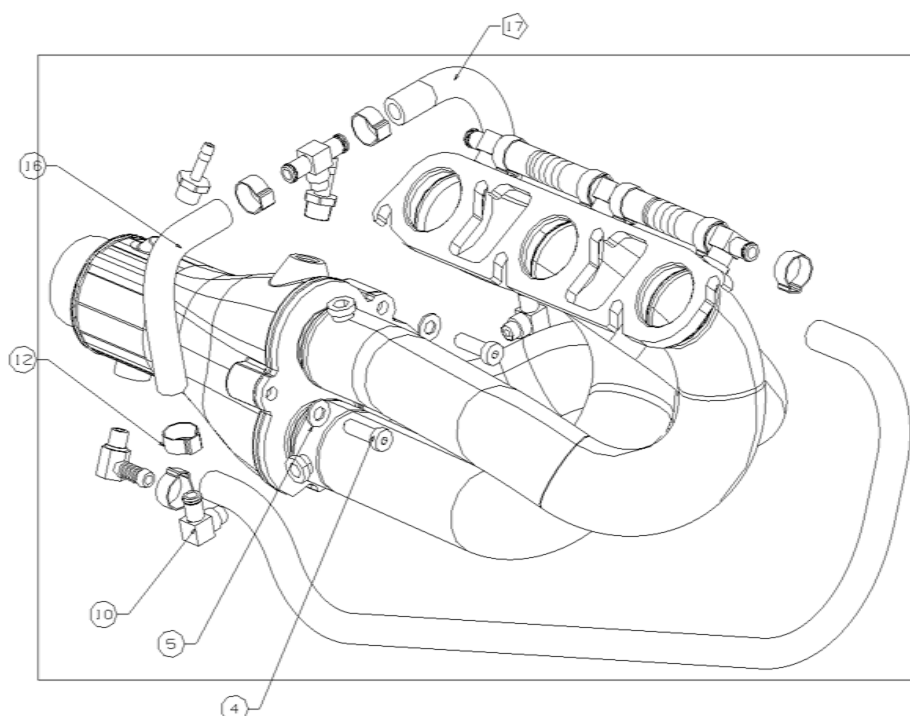
#	Bennennung	PART DESCRIPTION	Part number	Q-ty	TORQUE
1	Auspuffblende 3Z	EXHAUST BEZEL 3Z	HSR20_05_10_001	1	
2	O-Ring 62 x 2,5 mm NBR 70 Shore	O-RING	HSR00_99_03_024	1	
3	Schraube Senkkopf M5x16 DIN 7991 3er Inbus	SCREW	HSR00_99_01_050	6	
4	Abgasrohr 51x1,5 170 mm	PIPE 51X1,5 170 MM	HSR20_05_10_002	2	
5	Abgasrohr 51x1,5 490 mm	PIPE 51X1,5 490 MM	HSR20_05_10_003	1	
6	Muffler	MUFFLER	HSR20_05_10_008	1	
7	Wassersensor	WATER SENSOR	HSR03_05_21_033	1	
8	Dichtscheibe	WASHER	HSR03_05_21_034	1	
9	Haltegurt Muffler kpl.	ASM TETHER MUFFLER	HSR20_05_10_009	1	
10	Schraube Zyl.kopf M6x16 5er Inbus ISO4762	SCREW	HSR00_99_01_019	2	

11	Abgasschlauch 90	EXHAUST PIPE 90	HSR03_05_10_014	2	
12	Abgasschlauch 35	EXHAUST PIPE 35	HSR03_05_10_015	2	
13	Schlauchschele 40-60/12	HOSE CLAMP 40-60/12	HSR00_99_09_077	8	
14	Abgaskrümmmer komplett li.	ASM EXHAUST MANIFOLD LH	HSR20_05_11_000	1	
15	Sechskantmutter mit Flansch M8	NUT	HSR00_99_01_107	6	
16	3 in 1 Abgashose	3 IN 1 EXHAUST HOSE	HSR20_05_11_001	1	
17	Schraube Zyl.kopf M8x25 6er Inbus ISO4762	SCREW	HSR00_99_01_037	3	
18	Scheibe A 8,4 DIN 125	WASHER	HSR00_99_01_062	3	
19	3 in 1 Dichtung	3 IN 1 GASKET	HSR20_05_11_002	1	
20	Schlauchschele 58-75/12	HOSE CLAMP 58-75/12	HSR00_99_09_060	2	
21	Verbindungsschlauch dm68	CONNECTION HOSE	HSR20_05_11_003	1	

EXHAUST COOLING SYSTEM 1:

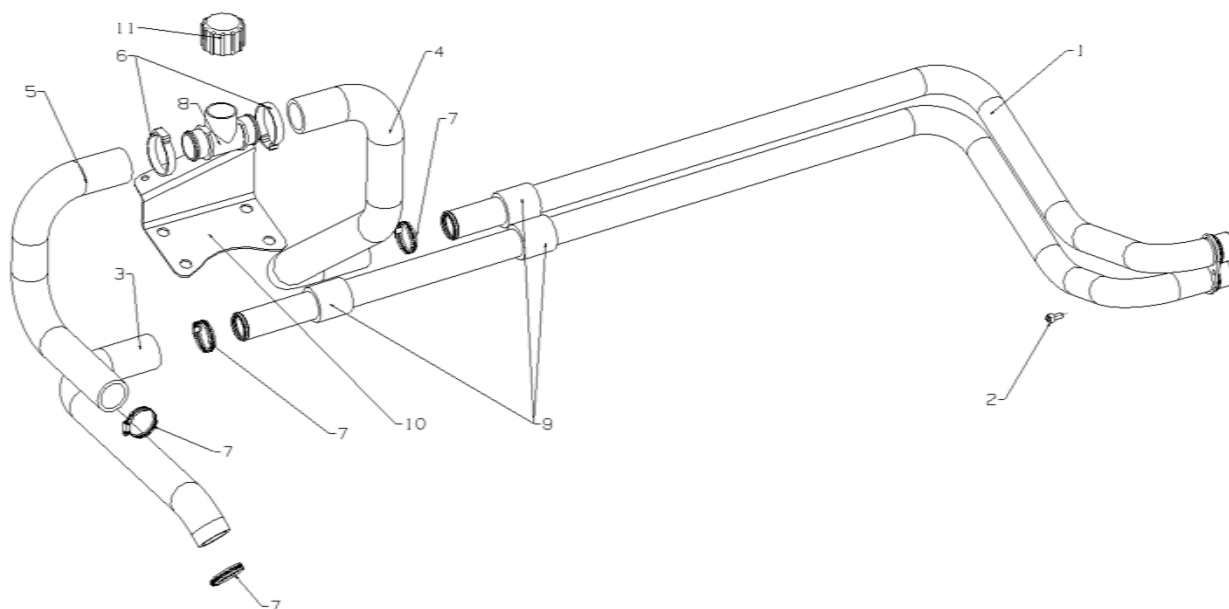


EXHAUST COOLING SYSTEM 2:



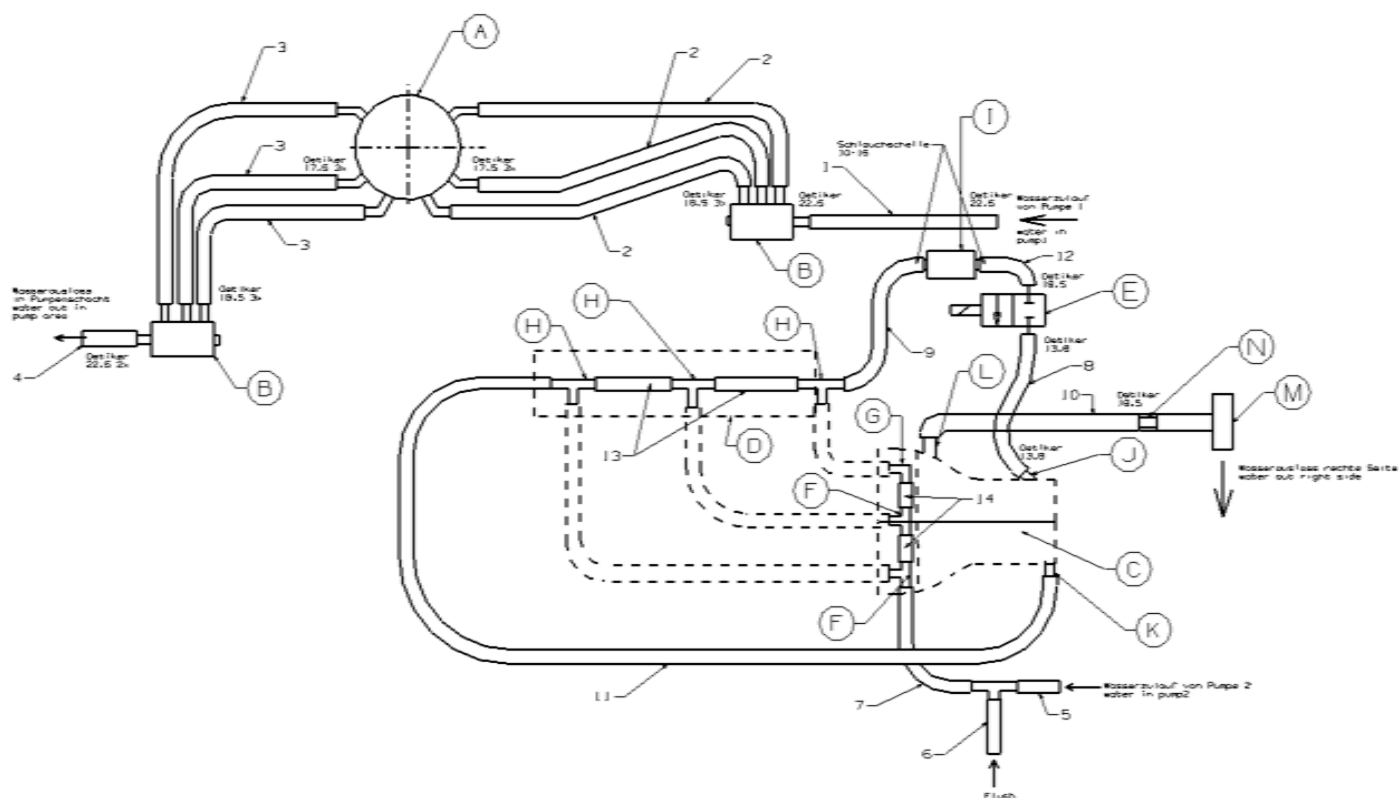
#	Bennennung	Part description	Part number	Q-ty	TORQUE
1	Abgaskrümmmer kpl. li	asm exhaust manifold lh	HSR20_05_11_000	1	
2	Dichtung 3in1	gasket 3in1	HSR20_05_11_002	1	
3	3in1 Abgashose	3in1 exhaust hose	HSR20_05_11_001	1	
4	Schraube Zyl.kopf M8x25 6er Inbus ISO4762	screw M8x25	HSR00_99_01_037	3	
5	Scheibe M8x25	washer M8x25	HSR00_99_01_062	3	
6	Einschraubschlauchtülle Messing 1/4" 6 mm SW17	screw-in hose nozzle 1/4" 6 mm SW17	HSR00_99_09_068	1	
7	Einschraubschlauchtülle Messing 1/4" 9 mm SW17	screw-in hose nozzle 1/4" 9 mm SW17	HSR00_99_09_081	1	
8	Winkel-Gewindetülle Messing 1/8" 9 mm SW11	elbow screw-in nozzle 1/8" 9 mm SW11	HSR00_99_09_082	1	
9	Tuelle T 5 mm	grommet T 5 mm	HSR03_05_11_003	2	
10	Tuelle L 5 mm	grommet L 5 mm	HSR03_05_11_004	1	
11	Tuelle T 3 mm	grommet T 3 mm	HSR03_05_11_002	3	
12	Oetikerklemme 18.5	hose clamp 18.5	HSR00_99_09_102	9	
13	Kühlerschlauch FKD-R DN 10x3,5	cooling hose 10x3,5	HSR00_99_09_085	85cm	Minimum order length 120 cm
14	Kühlerschlauch FKD-R DN 10x3,5	cooling hose 10x3,5	HSR00_99_09_085	8cm	
15	Kühlerschlauch FKD-R DN 10x3,5	cooling hose 10x3,5	HSR00_99_09_085	8cm	
16	Kühlerschlauch FKD-R DN 10x3,5	cooling hose 10x3,5	HSR00_99_09_085	13.5cm	
17	Kühlerschlauch FKD-R DN 10x3,5	cooling hose 10x3,5	HSR00_99_09_085	13.5cm	

CLOSED CIRCUIT COOLING SYSTEM:



#	Bennennung	PART DESCRIPTION	Part number	Q-ty	TORQUE
1	ZB Kühlrohre Motor	ASM COOLING PIPES ENGINE	HSR20_09_00_002	1	
2	Schraube Zyl.kopf M5x10 4er Inbus ISO4762	SOCKED HEAD SCREW M5 X 10	HSR00_99_01_010	1	
3	Kühlwasserschlauch warm 1	COOLING HOSE COLD 3Z	HSR20_09_00_007	1	
4	Kühlwasserschlauch warm 2	COOLING HOSE HOT SHORT 3Z	HSR20_09_00_008	1	
5	Kühlwasserschlauch kalt	COOLING HOSE HOT LONG 3Z	HSR20_09_00_009	1	
6	Ötikerklemme 38,1	HOSE CLAMP 38,1	HSR00_99_09_100	2	
7	Schlauschelle 25-40	HOSE CLAMP	HSR00_99_09_108	4	
8	Schraubkappe	THREADED T-PIECE	HSR03_09_02_002	1	
9	T-Stück mit Gewinde	CELLULAR RUBBER PAD	HSR00_01_01_040	3	
10	Moosdgummipads	BRACKET COOLING HOSE	HSR20_09_00_010	1	
11	Schraubkappe	SCREW CAP 1,4 BAR	HSR03_09_02_001	1	

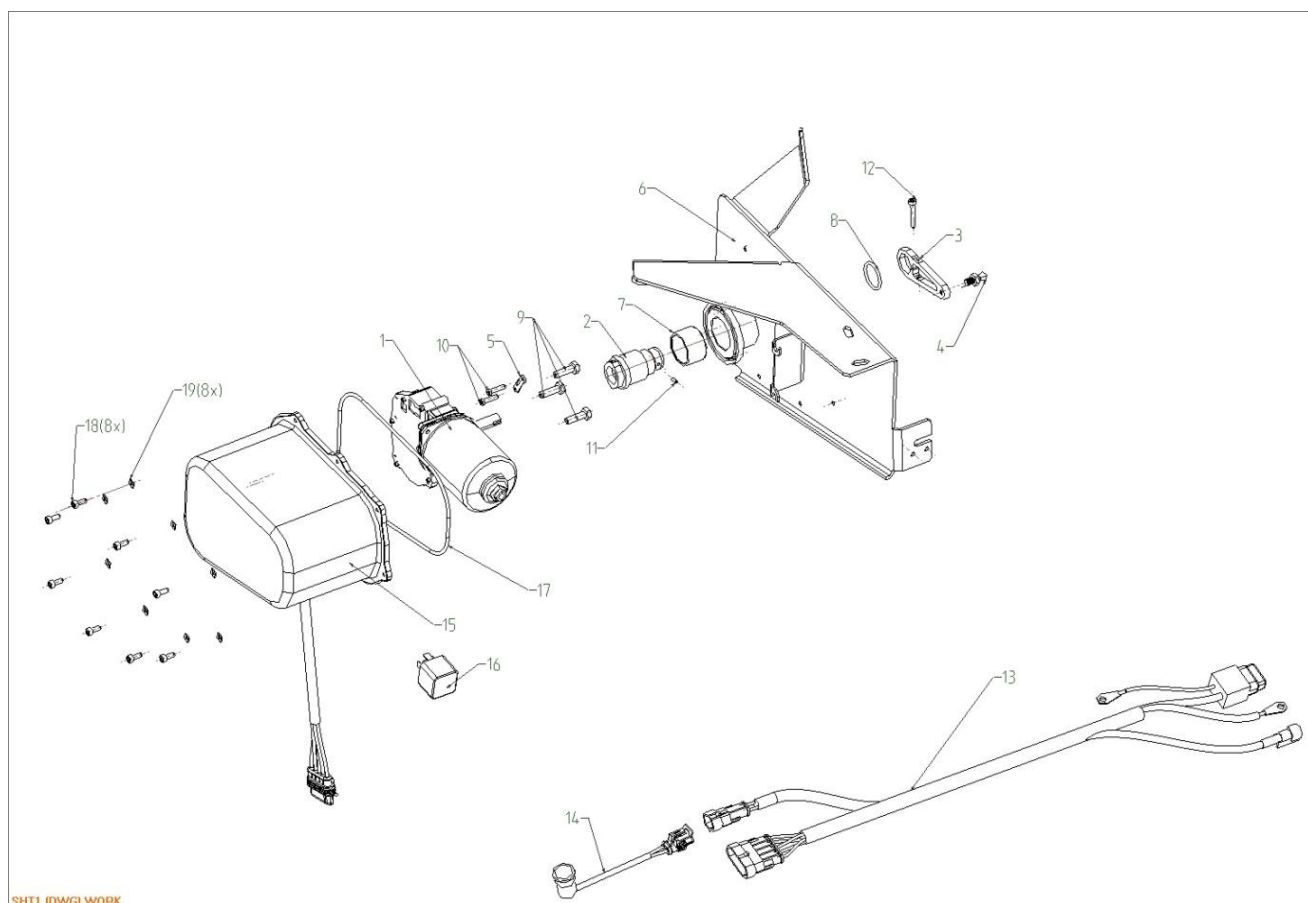
OTHER COOLING SYSTEM PARTS:



#	Bennennung	PART DESCRIPTION	Part number	Q-ty	
A	Oelkuehler	OIL COOLER	See Engine Lubrication	1	
B	Kuehlwasserverteiler	WATER MANIFOLD	HSR20_09_00_013	2	
C	3in1 Abgashose	3IN1 EXHAUST HOSE	See Exhaust system	1	
D	Abgaskrümmer kpl.	EXHAUST MANIFOLD	See Exhaust system	1	
E	Magnetventil	MAGNETIC VALVE IP67	HSR03_05_06_000	1	
F	T-verteiler 5mm	T-TYPE FITTING 5MM	HSR03_05_11_003	2	
G	90 grad Verteiler 5mm	L-TYPE FITTING 5MM	HSR03_05_11_004	1	
H	T-verteiler 3mm	T-TYPE FITTING 3MM	HSR03_05_11_002	3	
I	Inline filter	INLINE FILTER	HSR00_99_09_092	1	
J	Schlouchtuelle m6	SPREDSERT M6 X 12,7	HSR00_99_09_069	1	
K	Winkeltuelle 9mm	ELBOW SCREW-IN NOZZLE	HSR00_99_09_082	1	
L	Schlouchtuelle 9mm	SCREW-IN HOSE NOZZLE	HSR00_99_09_081	1	
M	Kuehlwasserausloss	BYPASS FITTING DN9 BLACK	HSR03_09_01_006	1	
N	Reduzierhuelse	REDUCTION FITTINGSLEEVE 4,5 MM	HSR03_09_00_012	1	
1		INTAKE LINE OIL COOLING HOSE, INNER D 13MM		85CM	

2		INTAKE LINE OIL COOLING HOSE, INNER D 10MM		50/45 /40 CM	
3		EXIT LINE OIL COOLING HOSE, INNER D 10MM		50/45 /40 CM	
4		EXIT LINE OIL COOLING HOSE, INNER D 13MM		105CM	
5		INTAKE LINE EXHAUST COOLING HOSE, INNER D 10MM		115CM	
6		FLUSHING SYSTEM HOSE, INNER D 10MM		50 CM	
7		INTAKE LINE EXHAUST COOLING HOSE, INNER D 10MM		25CM	
8		MAGNETIC VALVE HOSE, INNER D 8 MM		27CM	
9		INLINE FILTER HOSE, INNER D 10 MM		15CM	
10		EXIT LINE EXHAUST COOLING HOSE, INNER D 10MM		150CM	
11		EXHAUST MANIFOLD COOLING HOSE, INNER D 10MM		85CM	
12		INLINE FILTER HOSE, INNER D 10 MM		10CM	
13		EXHAUST MANIFOLD COOLING HOSE, INNER D 10MM		8CM	
14		EXHAUST MANIFOLD COOLING HOSE, INNER D 10MM		13,5CM	

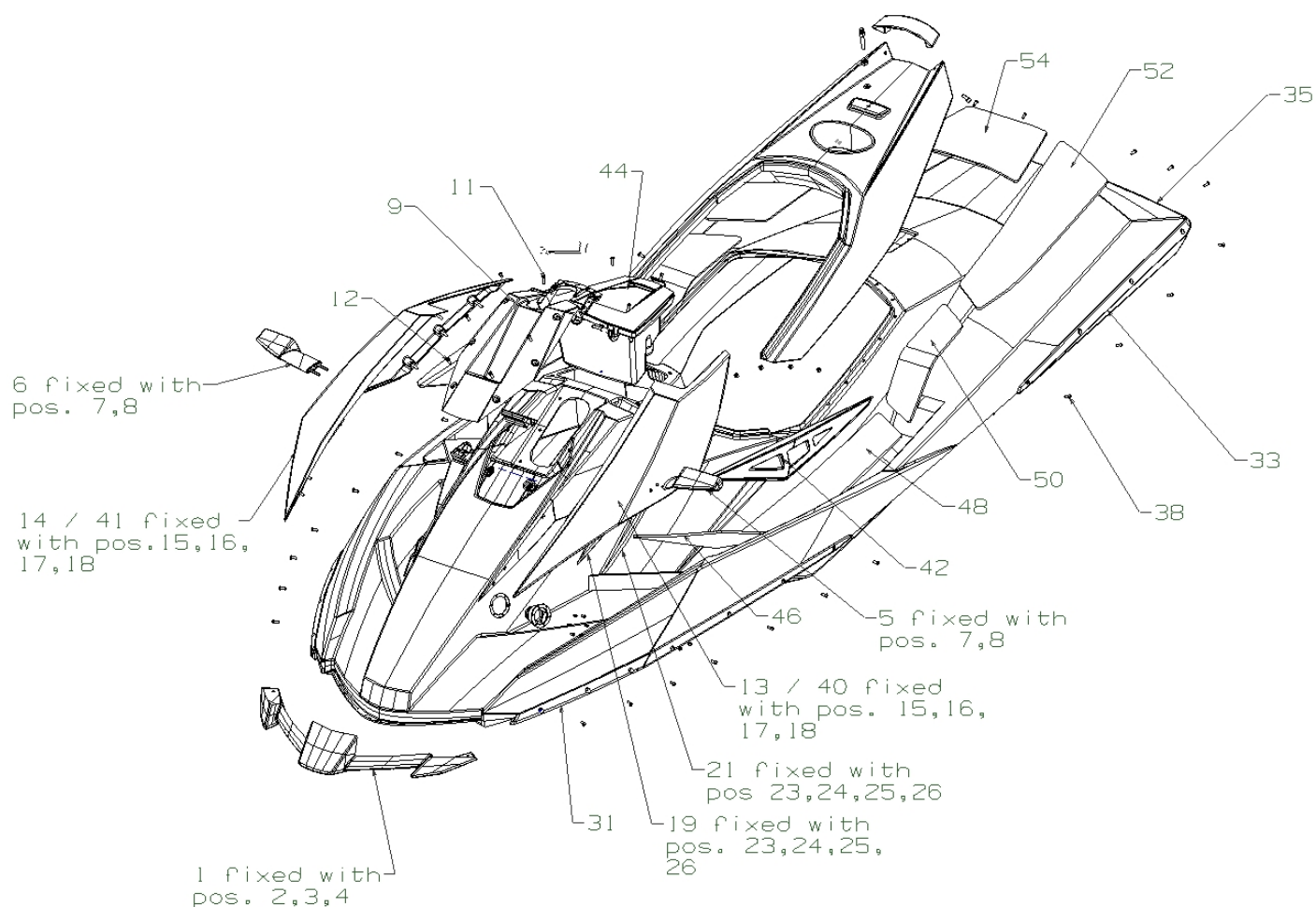
REVERSE SYSTEM:



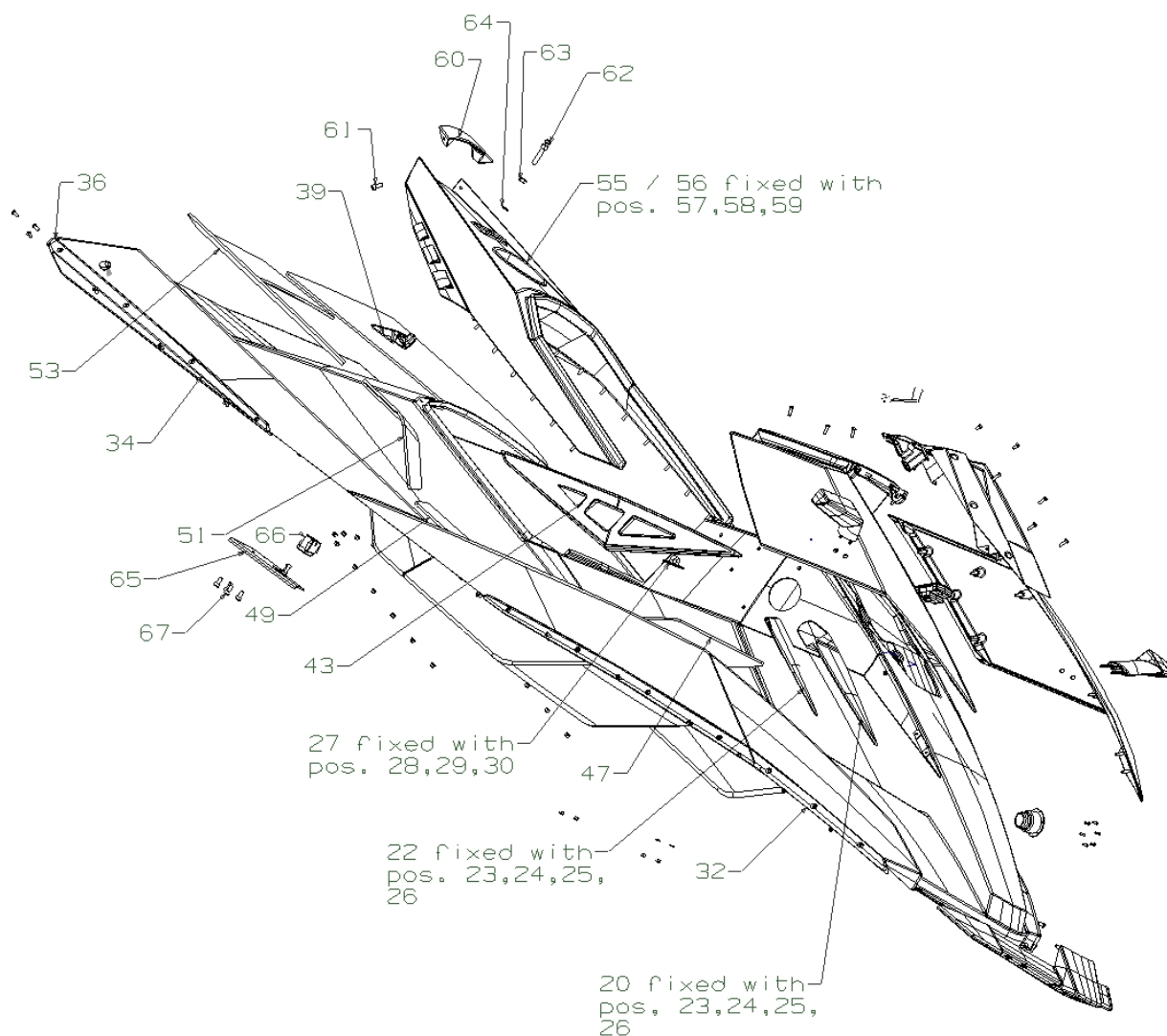
#	Bennennung	PART DESCRIPTION	Part number	Q-ty	TORQUE
1	Gleichstrommotor Valeo-SWF mit Schneckenradgetriebe	DC MOTOR	HSR21_03_01_001	1	
2	Schaltnocke	SWITCH CAM	HSR21_03_01_002	1	
3	Kurbel	CRANK LEVER	HSR21_03_01_003	1	
4	Lagerzapfen	BOLT	HSR21_03_01_004	1	
5	Befestigungsblech	FIXING PLATE	HSR21_03_01_005	1	
6	Konsole kpl.	ASM BRACKET	HSR20_03_01_006	1	
7	Gleitlager GSM-2832-20	SLIDE BEARING GSM-2832-20	HSR00_99_04_009	1	
8	O-Ring 22,3 x 2,4 mm NBR 70 Shore	O-RING	HSR00_99_03_030	1	
10	Schraube Zyl.Kopf M3x16 2,5er Inbus ISO4762	SCREW	HSR00_99_01_123	2	
11	Gewindestift M3x8 1,5er Inbus DIN914 mit Innensechskant und Spitze	SCREW	HSR00_99_01_122	1	
12	Schraube Zyl.kopf M4x25 3er Inbus ISO4762	SCREW	HSR00_99_01_121	1	

13	Kabelstrang R08 Revers	WIRE HARNESS R08 REVERS	HSR21_03_01_013	1	
14	Drucktaster MP0037 mit Kabelstrang vergossen	PUSHBUTTON MP0037 WITH WIRE HARNESS ENCAPSULATED	HSR21_03_01_014	1	
15	Abdeckung Reversantrieb kpl	ASSY COVER REVERSE DRIVE	HSR21_03_01_020	1	
16	Relais STR.100.500.00	RELAY	HSR21_03_01_011	1	
17	O-Ring 160 x 3 mm NBR 70 Shore	O-RING	HSR00_99_03_021	1	
18	Schraube Zyl.kopf M4x10 3er Inbus ISO4762	SCREW	HSR00_99_01_083	8	
19	Scheibe A 4,3	WASHER	HSR00_99_01_009	8	

DECK 1:



DECK 2:



#	Benennung	PART DESCRIPTION	Part number	Q-ty	TORQUE
1	Stoßschutz vorne	FRONT NOSE	HSR20_02_00_002	1	
2	Schraube Linsenkopf M6x16 4er Inbus ISO 7380	SCREW	HSR00_99_01_095	6	2Nm
3	Blindniete 5x20 DIN7337 A4 Kopfform A	RIVET	HSR00_99_09_083	2	
4	Scheibe DIN440 mit Innendm 5,5 und Aussendm 18 Form R=Rundloch	WASHER	HSR00_99_01_126	4	
5	Spiegel li.	MIRROR LH (FOR PRO ONLY)	HSR21_02_00_003	1	
6	Spiegel re.	MIRROR RH (FOR PRO ONLY)	HSR21_02_00_004	1	
7	Scheibe A 6,4 DIN 125	WASHER	HSR00_99_01_036	4	
8	Sechskantmutter M6 selbstsichernd DIN985	NUT	HSR00_99_01_111	4	
9	Abdeckung Lenkplatte	COVER STEERING PLATE	HSR20_02_00_005	1	
10	Aufkleber Revers	STICKER REVERS	HSR20_02_00_025	1	
11	Schraube Linsenkopf M6x12 4er Inbus ISO 7380	SCREW	HSR00_99_01_115	2	3Nm
12	Schraube Linsenkopf M6x20 4er Inbus ISO 7380	SCREW	HSR00_99_01_116	4	3Nm
13	Seitenblende li. für Spiegel	SIDE PANEL LH FOR MIRROR	HSR21_02_00_006	1	WHITE, PRO
14	Seitenblende re. für Spiegel	SIDE PANEL RH FOR MIRROR	HSR21_02_00_007	1	WHITE, PRO
15	Gewindestift M6x35 mit Innensechskant und Kegelkuppe	SCREW	HSR00_99_01_112	16	
16	Scheibe A6,4 DIN9021	WASHER	HSR00_99_01_064	16	
17	Ausgleichsscheibe 4 mm	WASHER 4MM	HSR20_02_00_024	15	
18	Sechskantmutter M6 selbstsichernd DIN985	NUT DIN 985/M6	HSR00_99_01_111	16	3,5Nm
19	Rippe oben li.	RIB TOP LH	HSR20_02_00_008	1	
20	Rippe oben re.	RIB TOP RH	HSR20_02_00_009	1	
21	Rippe unten li.	RIB BELOW LH	HSR20_02_00_010	1	
22	Rippe unten re.	RIB BELOW RH	HSR20_02_00_011	1	
23	Gewindestift M5x30 mit Innensechskant und Kegelkuppe	SCREW	HSR00_99_01_108	12	
24	Scheibe DIN440 mit Innendm 5,5 und Aussendm 18 Form R=Rundloch	WASHER DIN 440 (FOR M5)	HSR00_99_01_126	12	
25	Ausgleichsscheibe 4 mm	WASHER 4MM	HSR20_02_00_024	12	
26	Sechskantmutter M5 selbstsichernd DIN985	NUT DIN 985/M5	HSR00_99_01_110	12	2Nm
27	Sitzbank Lasche	SEAT CLIP	HSR20_02_00_012	2	
28	Schraube Linsenkopf M6x20 4er Inbus ISO7380	ROUNDED HEAD SCREW M6 X 20	HSR00_99_01_116	4	10Nm

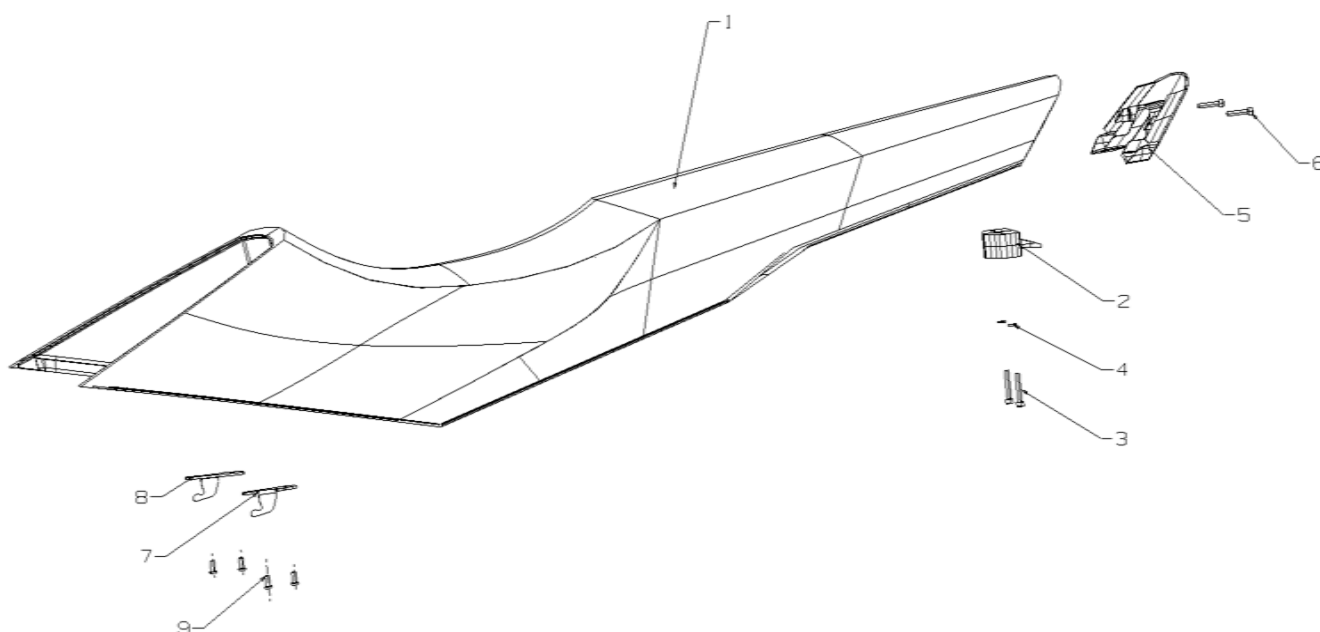


29	Scheibe A 6,4 DIN 125	WASHER A 6.4 DIN 125	HSR00_99_01_036	4	
30	Sechskantmutter M6 selbstsichernd DIN985	NUT DIN 985/M6	HSR00_99_01_111	4	
31	Scheuerleiste vorne li.	SKIRTING BOARD FRONT LH	HSR20_02_00_013	1	
32	Scheuerleiste vorne re.	SKIRTING BOARD FRONT RH	HSR20_02_00_014	1	
33	Scheuerleiste mitte li.	SKIRTING BOARD MIDDLE LH	HSR20_02_00_015	1	
34	Scheuerleiste mitte re.	SKIRTING BOARD MIDDLE RH	HSR20_02_00_016	1	
35	Scheuerleiste hinten li.	SKIRTING BOARD BACK LH	HSR20_02_00_017	1	
36	Scheuerleiste rechts li.	SKIRTING BOARD BACK RH	HSR20_02_00_018	1	
37	Spredsert M6 x 12,7	SPREDSERT M6 X 12,7	HSR00_99_09_069	28	
38	Schraube Linsenkopf M6x16 4er Inbus ISO 7380	ROUNDED HEAD SCREW M6 X 16	HSR00_99_01_095	28	2Nm
39	Haken Deck	HOOK DECK	HSR20_02_00_019	1	
40	Seitenblende li. nicht für Spiegel	SIDE PANEL LH NOT FOR MIRROR	HSR20_02_00_006	0	GREEN, NAKED
41	Seitenblende re. nicht für Spiegel	SIDE PANEL RH NOT FOR MIRROR	HSR20_02_00_007	0	GREEN, NAKED
42	Pad Deck vorne li.	PAD DECK FRONT LH	HSR20_02_01_001	1	
43	Pad Deck vorne re.	PAD DECK FRONT RH	HSR20_02_01_002	1	
44	Box komplett	ASM BOX	HSR20_02_02_000	1	
45	Mats Set	MATS SET	HSR20_02_03_000	1	
46	Mat A li.	MAT A LH	HSR20_02_03_001	1	
47	Mat A re.	MAT A RH	HSR20_02_03_002	1	
48	Mat B li.	MAT B LH	HSR20_02_03_003	1	
49	Mat B re.	MAT B RH	HSR20_02_03_004	1	
50	Mat C li.	MAT C LH	HSR20_02_03_005	1	
51	Mat C re.	MAT C RH	HSR20_02_03_006	1	
52	Mat D li.	MAT D LH	HSR20_02_03_007	1	
53	Mat D re.	MAT D RH	HSR20_02_03_008	1	
54	Mat E	MAT E	HSR20_02_03_009	1	
55	Heckteil naked	REAR SECTION NAKED	HSR20_02_04_001	0	WITH STICKERS
56	Heckteil Pro	REAR SECTION PRO	HSR21_02_04_001	1	WITH STICKERS
57	Gewindestift M6x25 mit Innensechskant und Kegelkuppe	SCREW	HSR00_99_01_109	19	
58	Scheibe A 6,4 DIN 125	WASHER A 6.4 DIN 125	HSR00_99_01_036	19	
59	Sechskantmutter M6 selbstsichernd DIN985	NUT DIN 985/M6	HSR00_99_01_111	19	3,5Nm
60	Griff Heckteil	HANDLE, REAR SECTION	HSR20_02_04_002	1	



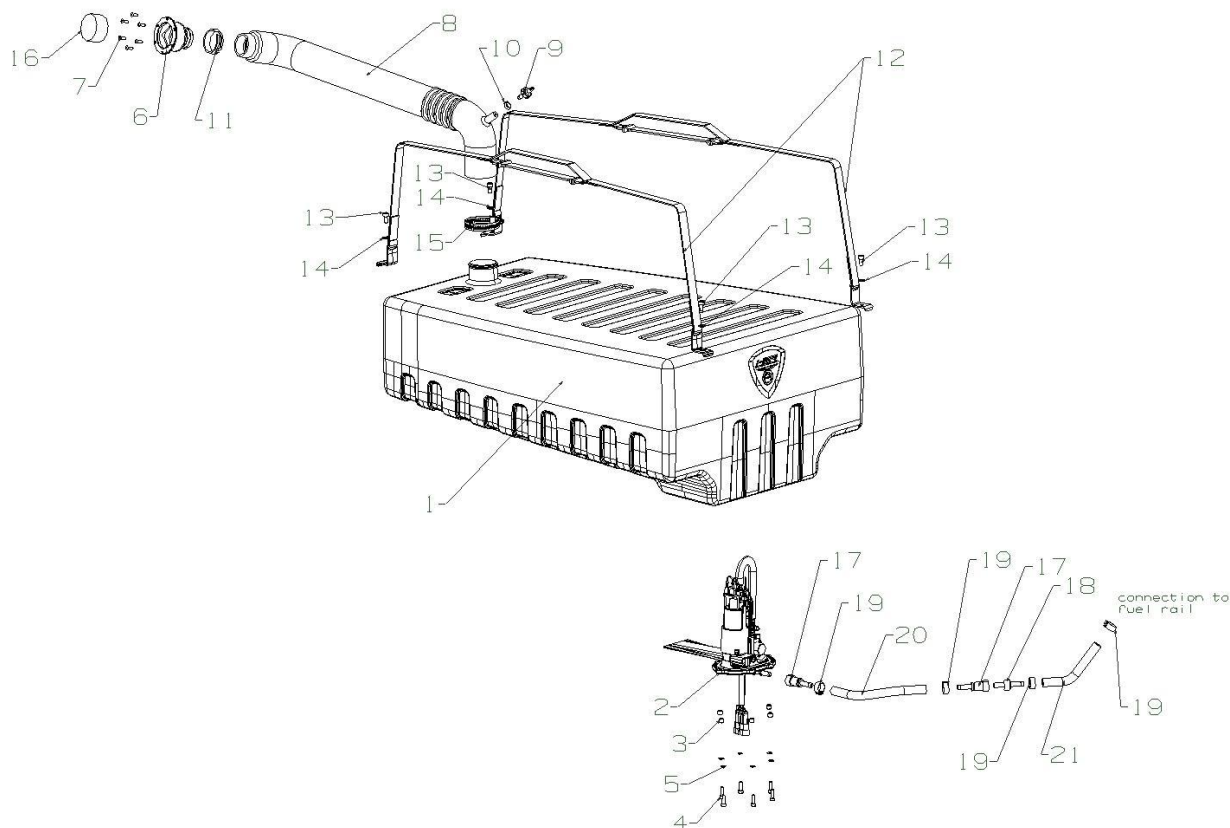
61	Schraube Linsenkopf M8x20 5er Inbus ISO7380	SCREW	HSR00_99_01_106	2	6Nm
62	Pin Sitzhalter Schlüsselweite 12	PIN SEAT HOLDER	HSR20_02_04_003	1	
63	Sechskantmutter M10	NUT	HSR00_99_01_015	1	
64	Scheibe A10,4	WASHER	HSR00_99_01_058	1	
65	Halter Neigungssensor	BRACKET TILT SWITCH	HSR20_02_00_020	1	
66	Neigungssensor	TILT SWITCH	HSR03_04_00_007	1	
67	Schraube Zyl.kopf M8x16 6er Inbus DIN912 ISO4762	SOCKET HEAD SCREW M8 X 16	HSR00_99_01_103	4	

SEAT:



#	Bennennung	PART DESCRIPTION	Part number	Q-ty	TORQUE
1	Sitzbank	SEAT	HSR20_04_00_001	1	
2	Schloss für Sitzbank	HATCH LOCK FOR SEAT	HSR20_04_00_002	1	
3	Schraube Zyl.kopf M6x40 5er Inbus ISO4762	SCREW	HSR00_99_01_068	2	
4	Scheibe A6,4 DIN9021	WASHER	HSR00_99_01_064	2	
5	Heckblende	REAR BEZEL	HSR20_04_00_003	1	
6	Schraube Ejot PT KB50x40 WN1411	SCREW	HSR00_99_01_130	2	
7	Sitzbankbügel li.	SEAT BAIL LH	HSR20_04_00_004	1	
8	Sitzbankbügel re.	SEAT BAIL RH	HSR20_04_00_005	1	
9	Schraube Linsenkopf M6x16 4er Inbus ISO 7380	SCREW	HSR00_99_01_095	4	

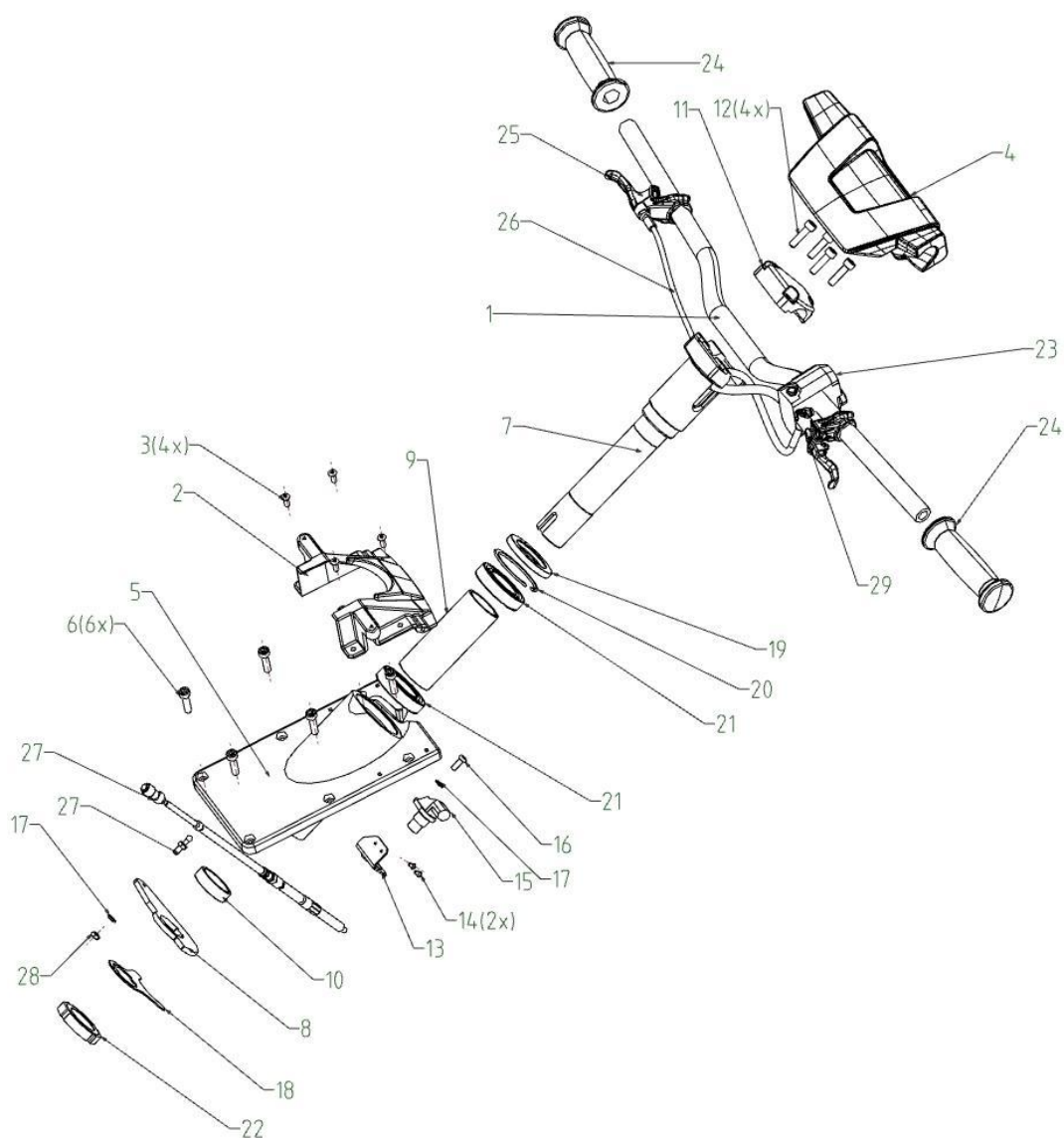
FUEL SYSTEM:



#	Bennennung	PART DESCRIPTION	Part number	Q-ty	TORQUE
1	Tank 3Z 70 I	GAS TANK 3Z 70 L	HSR20_08_00_001	1	
2	Benzinpumpe komplett	BENZINPUMPE KOMPLETT	HSR03_08_01_000	1	
3	Buchse	BUSHING	HSR03_08_01_001	6	
4	Schraube Zyl.kopf M5x16 4er Inbus DIN912	SCREW	HSR00_99_01_085	6	5Nm
5	Scheibe A 5,3 DIN 125	WASHER	HSR00_99_01_054	6	
6	Füllstutzen	FILLING TUBE	HSR03_08_02_001	1	
7	Schraube Linsenkopf M4x12 2,5er Inbus ISO7380	SCREW	HSR00_99_01_102	6	1,5Nm
8	Tankschlauch	TANK HOSE	HSR20_08_02_010	1	
9	Kraftstoffrückschlagventil	FUEL SETBACK VALVE	HSR00_99_09_023	1	
10	Ötikerklemme 11,1 - 13,1	HOSE CLAMP 11,1 - 13,1	HSR00_99_09_063	1	
11	Federbandschelle DN47x12	STEEL TAPE RING DN47X12	HSR00_99_09_064	1	
12	Haltegurt Tank kpl.	ASM TETHER GAS TANK	HSR20_08_03_000	2	
13	Schraube Zyl.kopf M6x16 5er Inbus ISO4762	SOCKED HEAD SCREW M6 X 16	HSR00_99_01_019	4	10Nm
14	Scheibe A 6,4 DIN 125	WASHER A 6.4 DIN 125	HSR00_99_01_036	2	
15	Schlauchschnelle 40-60/9	HOSE CLAMP 40-60/9	HSR00_99_09_015	1	

16	Tankdeckel	FUEL TANK CAP	HSR03_08_02_000	1	
17	Stecker Schnellkupplung Benzin	PLUG CONNECTOR FUEL	HSR00_99_09_097	2	
18	Schnellkupplung Benzin	FUEL QUICK CONNECTOR	HSR00_99_09_071	1	
19	Oetiker 17,5	HOSE CLAMP 14,6-16,8	HSR00_99_09_043	4	
20	Schlauch	HOSE	HSR00_08_00_004	0,4m	
21	Schlauch	HOSE	HSR00_08_00_004	0,35m	

STEERING:



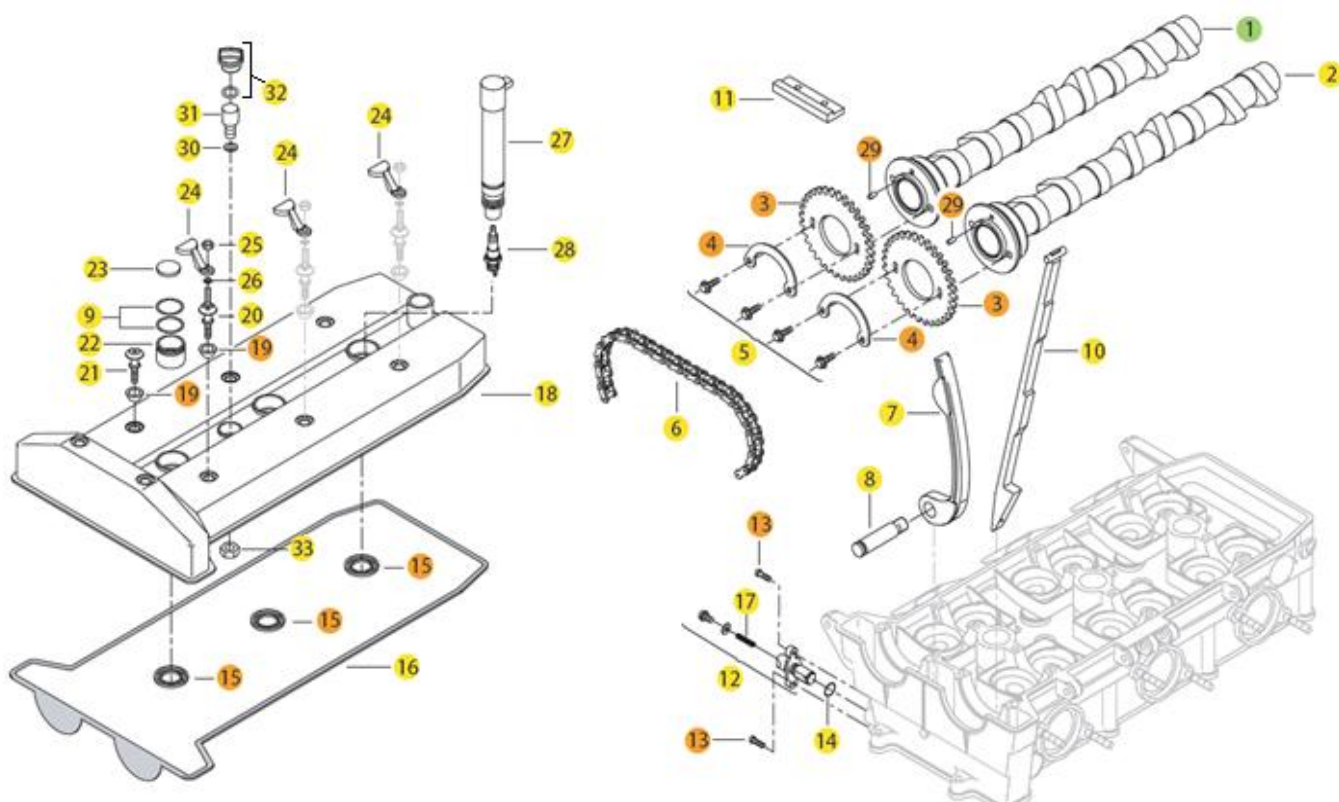
#	Bennennung	PART DESCRIPTION	Part number	Q-ty	TORQUE
1	Lenkstange	HANDLE BAR	HSR20_03_00_002	1	
2	Lenksaeulenblende	STEERING COLUMN BEZEL	HSR21_03_00_004	1	
3	Schraube Linsenkopf M6x16 4er Inbus ISO 7380	ROUNDED HEAD SCREW M6 X 16	HSR00_99_01_095	4	
4	Aufprallschutz Lenker schwarz	STEERING PAD BLACK	HSR20_03_00_005	1	
5	Konsole Lenkung	BRACKET STEERING	HSR20_03_00_011	1	
6	Schraube Zyl.kopf M8x25 6er Inbus ISO4762	SCREW	HSR00_99_01_037	6	
7	Lenkwelle	STEERING SHAFT	HSR20_03_00_014	1	
8	Hebel Lenkung	LEVER STEERING	HSR20_03_00_015	1	
9	Distanzrohr lang	DISTANCE PIPE LONG	HSR20_03_00_016	1	
10	Distanzrohr kurz	DISTANCE PIPE SHORT	HSR20_03_00_017	1	
11	Klemmstueck	CALMPING PIECE	HSR20_03_00_018	1	
12	Schraube Zyl.kopf M8x30 6er Inbus ISO4762	SCREW	HSR00_99_01_013	4	
13	Halter Sensor Lenkung	BRACKET STEERING SENSOR	HSR20_03_00_019	1	
14	Schraube Linsenkopf M4x8 2,5er Inbus ISO7380	SCREW	HSR00_99_01_080	2	
15	Sensor Phase PG3.5 Nr. 0232103024	SENSOR PHASE PG3.5 NR. 0232103024	HSR00_05_07_103	1	
16	Schraube Zyl.kopf M6x16 mit niedrigem Kopf 5er Inbus mit Ansatz DIN6912	SOCKET HEAD SCREW M6X16	HSR00_99_01_005	1	
17	Scheibe A 6,4 DIN 125	WASHER A 6.4 DIN 125	HSR00_99_01_036	2	
18	Sensorblech	SENROR PLATE	HSR20_03_00_020	1	
19	Wellendichtring AS-50x68x8- NBR DIN3760	SHAFT SEALING RING AS- 50X68X8-NBR DIN3760	HSR00_99_03_008	1	
20	Sicherungsring 68x2,5 DIN472	INTERNAL RETAINING RING 68X2.5 DIN472	HSR00_99_02_009	1	
21	Rillenkugellager 40x68x15	GROOVED BALL BEARING 40X68X15	HSR00_99_04_007	2	
22	Wellenmutter M40x1,5 DIN1804, KM8	SHAFT NUT M40X1,5 DIN1804, KM8	HSR00_99_01_089	1	
23	Start Stop Schalter	START STOP SWITCH	HSR00_99_09_030	1	
24	Griffgummi schwarz	GRIP BLACK	HSR02_99_09_005	2	
25	Gashebel	THROTTLE LEVER	HSR03_03_00_015	1	
26	Gasseil	THROTTLE CABLE	HSR00_05_04_008	1	
27	Steuerseil inklusive Einhängepin	STEERING CABLE	HSR20_03_03_000	1	
28	Sechskantmutter M6	NUT DIN 985/M6	HSR00_99_01_111	1	



	selbstsichernd DIN985				
29	Trim	TRIM SYSTEM ASSEMBLY	HSR03_03_04_000	1	

ENGINE:

VALVE COVER AND CAMSHAFT (TIMING):

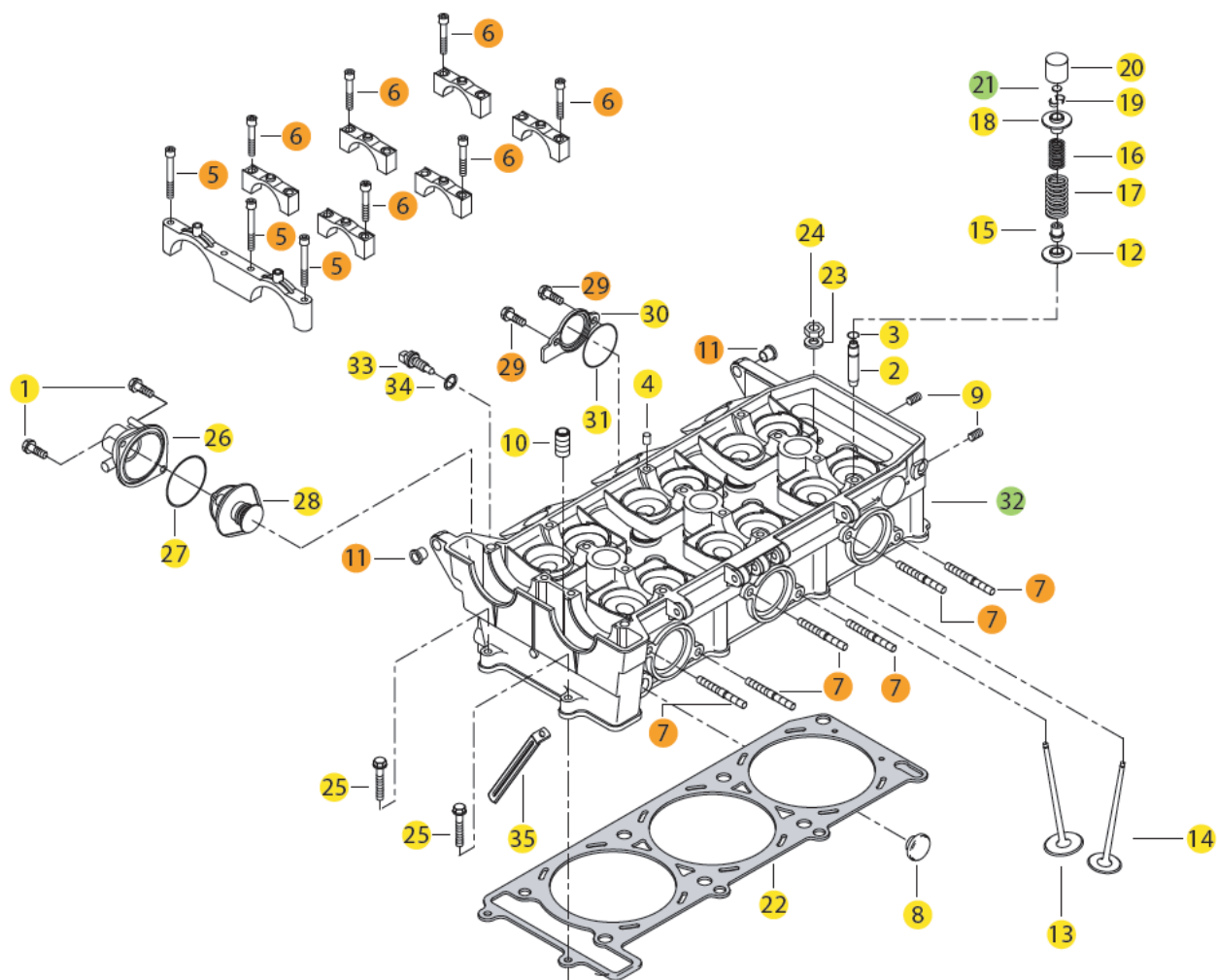


#	Bennennung	PART DESCRIPTION	Part number	Q-ty	TORQUE
1	VERTEILERWELLE DER ANSAUGUNG	INTAKE CAMSHAFT	HSR04_05_20_001	1	
2	VERTEILERWELLE AUSLAß	EXHAUST CAMSHAFT	HSR03_05_20_002	1	
3	ZAHNRAD Z34	GEAR Z34	HSR03_05_12_004	2	
4	SPEZIALPLÄTTCHEN	SPECIAL PLATE	HSR03_05_20_004	2	
5	SCHRAUBE	SCREW	HSR03_05_20_005	4	
6	KETTENVERTEILUNG	TIMING CHAIN	HSR03_05_20_006	1	
7	KETTENGLEITSCHUH	CHAIN SLIDER	HSR03_05_20_007	1	
8	ZAPFEN	PIN	HSR03_05_20_008	1	
9	DICHTUNG OR	O-RING	HSR03_05_20_009	2	
10	FEST KETTENGLEITSCHUH	FIXED CHAIN SLIDING SHOE	HSR03_05_20_010	1	
11	OBERER KETTENGLEITSCHUH	UPPER CHAIN SLIDING SHOE	HSR03_05_20_011	1	
12	KETTENSPANNER	CHAIN TENSIONER	HSR03_05_20_012	1	
13	SCHRAUBE	CHAIN TENSIONER MOUNTING SCREW	HSR03_05_20_013	2	
14	DICHTUNG OR	O-RING, CHAIN TENSIONER HOUSING	HSR03_05_20_014	1	
15	DICHTUNG	VALVE COVER GASKET/SPARK PLUG	HSR03_05_20_015	3	
16	DECKELDICHTUNG	VALVE COVER GASKET	HSR03_05_20_016	1	
17	FEDER	CHAIN TENSIONER PRELOAD SPRING	HSR03_05_20_017	1	
18	DECKELVERTEILER	VALVE COVER	HSR03_05_20_018	1	
19	GUMMISTÜCK	VALVE COVER TIGHTENING SCREW RUBBER PAD	HSR03_05_20_019	8	
20	SPEZIALSCHRAUBE	VALVE COVER TIGHTENING SCREW WITH EXTRA THREAD	HSR03_05_20_020	3	
21	SPEZIALSCHRAUBE	VALVE COVER TIGHTENING SCREW	HSR03_05_20_021	5	
22	DISTANZSTÜCK	SPACER	HSR03_05_20_022	3	
23	GUMMISTÜCK	IGNITION COIL COVER RUBBER PAD	HSR03_05_20_023	3	
24	BÜGEL	IGNITION COVER BRACKET	HSR03_05_20_024	3	
25	MUTTER	IGNITION COVER BRACKET NUT	HSR03_05_20_025	3	
26	UNTERLEGSCHEIBE	WASHER	HSR03_05_20_026	3	



27	ZÜNDSPULE	IGNITION COIL	HSR03_05_20_027	3	
28	ZÜNDKERZE	SPARK PLUG	HSR03_05_20_028	1	
29	STIFT	LOCKING PIN	HSR03_05_20_029	2	
30	DICHTUNG	COPPER SEALING RING 20X24X1,5 MM	HSR00_99_03_041	1	
31	OELSCHRAUBE ANSCHLUSS	ADAPTER, OIL REFILLING COVER	HSR03_05_09_005	1	
32	Schraubkappe kpl.	assy oil cap	HSR03_05_09_006	1	
33	MUTTER	HEX NUT M20X1,5, OIL PLUG JOINT	HSR00_99_01_139	1	

TOP END ENGINE:



#	Bennennung	PART DESCRIPTION	Part number	Q-ty	TORQUE
1	SCHRAUBE	THERMOSTATE HOUSING SCREW	HSR03_05_21_001	2	
2	VENTILFÜHRUNG	VALVE GUIDE	HSR03_05_21_002	12	
3	SPERRRING	STOP RING	HSR03_05_21_003	12	
4	BUCHSE	BUSHING	HSR03_05_21_004	14	
5	SCHRAUBE	CAM SHAFT BRIDGE SCREW (LONG)	HSR03_05_21_005	4	
6	SCHRAUBE	CAM SHAFT BRIDGE SCREW (SHORT)	HSR03_05_21_006	12	
7	STIFTSCHRAUBE	EXHAUST MANIFOLT STUD BOLT	HSR03_05_21_007	6	
8	VERSCHLUß	PLUG	HSR03_05_21_008	1	
9	GEWINDE VERSCHLUß	WORM SCREW	HSR03_05_21_009	2	
10	GEWINDE VERSCHLUß	WORM SCREW	HSR03_05_21_010	4	
11	BUCHSE	BUSHING	HSR03_05_21_011	2	
12	UNTERER BECHER	LOWER VALVE PLATE	HSR03_05_21_012	1	
13	EINLAßVENTIL	INTAKE VALE	HSR03_05_21_013	16	
14	AUSLAßVENTIL	EXHAUST VALVE	HSR03_05_21_014	6	
15	GOMMISTÜCK AUSLA	VALVE STEM SEAL	HSR03_05_21_015	12	
16	INNERE FEDER	INNER VALVE SPRING	HSR03_05_21_016	12	
17	ÄUßERE FEDER	OUTER VALVE SPRING	HSR03_05_21_017	12	
18	OBERER BECHER	UPER VALVE PLATE	HSR03_05_21_018	12	
19	HALBKEGEL	HALF CONE	HSR03_05_21_019	24	
20	BECHER	TAPPET	HSR03_05_21_020	12	
21	PASTILLEVENTIL 2.8 MM	VALVE ADJUSTMENT SHIM 2.8 MM	HSR03_05_21_035	1	
21	PASTILLEVENTIL 2.775 MM	VALVE ADJUSTMENT SHIM 2.775 MM	HSR03_05_21_036	1	
21	PASTILLEVENTIL 2.75 MM	VALVE ADJUSTMENT SHIM 2.75 MM	HSR03_05_21_037	1	
21	PASTILLEVENTIL 2.725 MM	VALVE ADJUSTMENT SHIM 2.725 MM	HSR03_05_21_038	1	
21	PASTILLEVENTIL 2.7 MM	VALVE ADJUSTMENT SHIM 2.7 MM	HSR03_05_21_039	1	
21	PASTILLEVENTIL 2.675 MM	VALVE ADJUSTMENT SHIM 2.675 MM	HSR03_05_21_040	1	
21	PASTILLEVENTIL 2.65 MM	VALVE ADJUSTMENT SHIM 2.65 MM	HSR03_05_21_041	1	
21	PASTILLEVENTIL 2.625 MM	VALVE ADJUSTMENT SHIM 2.625 MM	HSR03_05_21_042	1	
21	PASTILLEVENTIL 2.6 MM	VALVE ADJUSTMENT	HSR03_05_21_043	1	

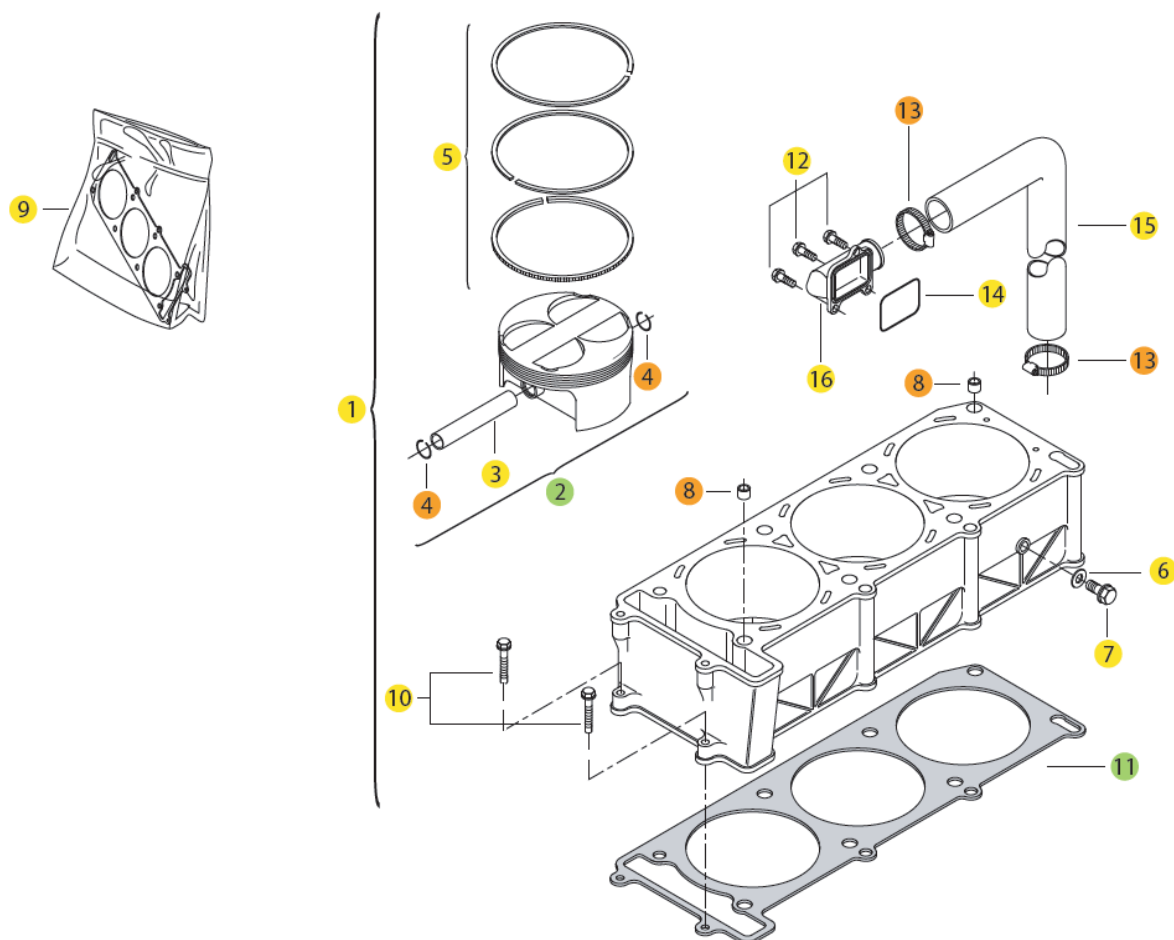


		SHIM 2.6 MM			
21	PASTILLEVENTIL 2.575 MM	VALVE ADJUSTMENT SHIM 2.575 MM	HSR03_05_21_044	1	
21	PASTILLEVENTIL 2.55 MM	VALVE ADJUSTMENT SHIM 2.55 MM	HSR03_05_21_045	1	
21	PASTILLEVENTIL 2.525 MM	VALVE ADJUSTMENT SHIM 2.525 MM	HSR03_05_21_046	1	
21	PASTILLEVENTIL 2.5 MM	VALVE ADJUSTMENT SHIM 2.5 MM	HSR03_05_21_047	1	
21	PASTILLEVENTIL 2.475 MM	VALVE ADJUSTMENT SHIM 2.475 MM	HSR03_05_21_048	1	
21	PASTILLEVENTIL 2.45 MM	VALVE ADJUSTMENT SHIM 2.45 MM	HSR03_05_21_049	1	
21	PASTILLEVENTIL 2.425 MM	VALVE ADJUSTMENT SHIM 2.425 MM	HSR03_05_21_050	1	
21	PASTILLEVENTIL 2.4 MM	VALVE ADJUSTMENT SHIM 2.4 MM	HSR03_05_21_051	1	
21	PASTILLEVENTIL 2.375 MM	VALVE ADJUSTMENT SHIM 2.375 MM	HSR03_05_21_052	1	
21	PASTILLEVENTIL 2.35 MM	VALVE ADJUSTMENT SHIM 2.35 MM	HSR03_05_21_053	1	
21	PASTILLEVENTIL 2.325 MM	VALVE ADJUSTMENT SHIM 2.325 MM	HSR03_05_21_054	1	
21	PASTILLEVENTIL 2.3 MM	VALVE ADJUSTMENT SHIM 2.3 MM	HSR03_05_21_055	1	
21	PASTILLEVENTIL 2.275 MM	VALVE ADJUSTMENT SHIM 2.275 MM	HSR03_05_21_056	1	
21	PASTILLEVENTIL 2.25 MM	VALVE ADJUSTMENT SHIM 2.25 MM	HSR03_05_21_057	1	
21	PASTILLEVENTIL 2.225 MM	VALVE ADJUSTMENT SHIM 2.225 MM	HSR03_05_21_058	1	
21	PASTILLEVENTIL 2.2 MM	VALVE ADJUSTMENT SHIM 2.2 MM	HSR03_05_21_059	1	
21	PASTILLEVENTIL 2.175 MM	VALVE ADJUSTMENT SHIM 2.175 MM	HSR03_05_21_060	1	
21	PASTILLEVENTIL 2.15 MM	VALVE ADJUSTMENT SHIM 2.15 MM	HSR03_05_21_061	1	
21	PASTILLEVENTIL 2.125 MM	VALVE ADJUSTMENT SHIM 2.125 MM	HSR03_05_21_062	1	
21	PASTILLEVENTIL 2.1 MM	VALVE ADJUSTMENT SHIM 2.1 MM	HSR03_05_21_063	1	
21	PASTILLEVENTIL 2.000 MM	VALVE ADJUSTMENT SHIM 2.000 MM	HSR03_05_21_064	1	
21	PASTILLEVENTIL 2.025 MM	VALVE ADJUSTMENT SHIM 2.025 MM	HSR03_05_21_065	1	
21	PASTILLEVENTIL 2.050 MM	VALVE ADJUSTMENT SHIM 2.050 MM	HSR03_05_21_066	1	
21	PASTILLEVENTIL 2.075 MM	VALVE ADJUSTMENT SHIM 2.075 MM	HSR03_05_21_067	1	
21	PASTILLEVENTIL 1,950 MM	VALVE ADJUSTMENT SHIM 1,950 MM	HSR03_05_21_068	1	



21	PASTILLEVENTIL 1,975 MM	VALVE ADJUSTMENT SHIM 1,975 MM	HSR03_05_21_069	1	
22	DICHTUNG	CYLINDER HEAD GASKET	HSR03_05_21_022	1	
23	UNTERLEGSCHIEBE	WASHER FOR CYLINDER HEAD NUT	HSR03_05_21_023	1	
24	MUTTER	CYLINDER HEAD NUT	HSR03_05_21_024	1	
25	SCHRAUBE	CYLINDER HEAD SCREWS (SMALL)	HSR03_05_21_025	1	
26	THERMOSTATTELLER	THERMOSTAT HOUSING	HSR03_05_21_026	1	
27	DICHTRING	SEAL RING	HSR03_05_21_027	1	
28	THERMOSTAT	THERMOSTATE	HSR03_05_21_028	1	
29	SCHRAUBE	SCREW FOR THE WATER COVER	HSR03_05_21_029	5	
30	WASSERDECKEL	WATER COVER	HSR03_05_21_030	1	
31	DICHTRING	WATER COVER SEAL RING	HSR03_05_21_031	1	
32	ZYLINDERKOPFBESTIGUNG	CYLINDER HEAD	HSR03_05_21_032	1	
33	WASSERSENSOR	TEMPERATURE SENSOR	HSR03_05_21_033	1	
34	UNTERLEGSCHIEBE	WASHER FOR WATER TEMPERATURE SENSOR	HSR03_05_21_034	1	
35	SCHELLE	RUBBERIZED CLAMP	HSR03_05_21_070	1	

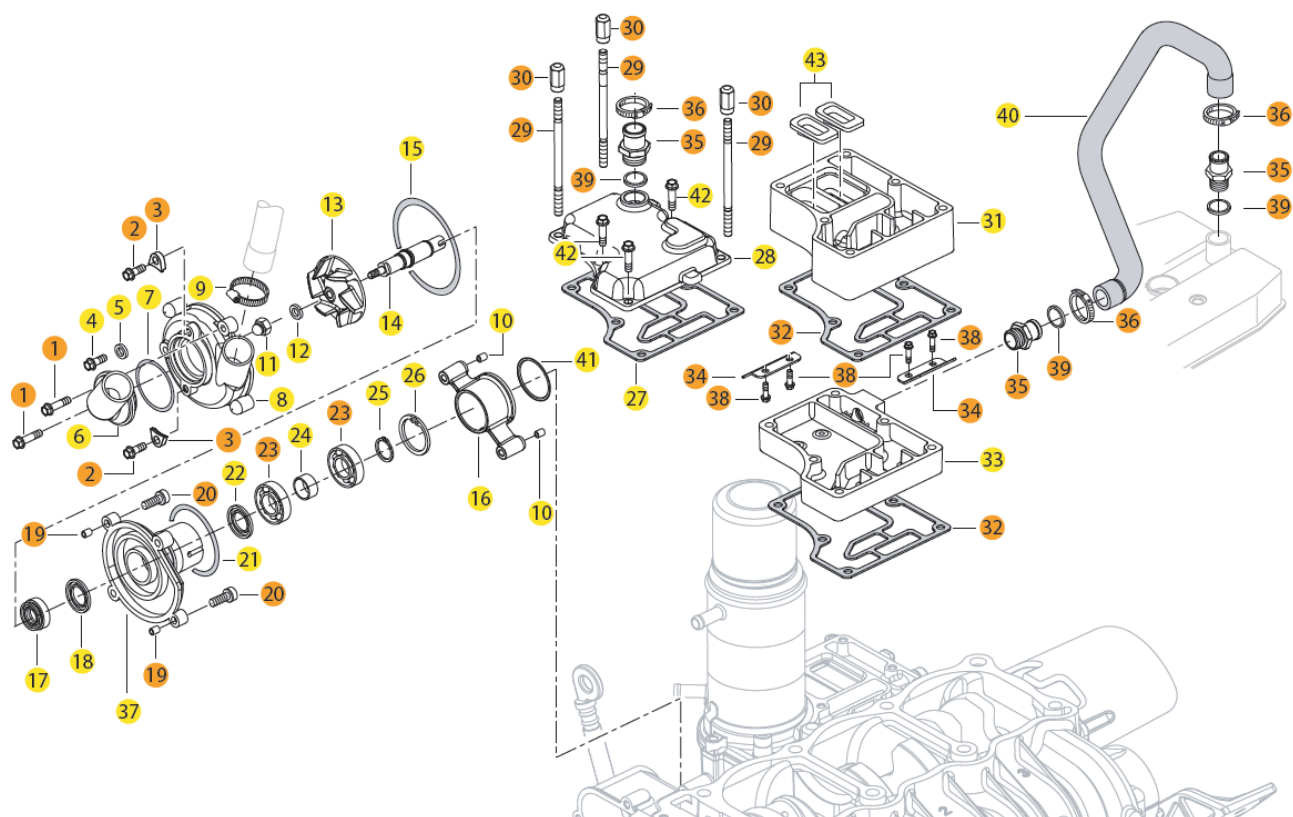
CYLINDER BLOCK / PISTONS:



#	Bennennung	PART DESCRIPTION	Part number	Q-ty	TORQUE
1	ZYLINDER KOMPLET	COMPLETE CYLINDER	HSR03_05_22_001	1	
2	KOMPLETTER KOLBEN "B"	PISTON assy. "B" (inkl. rings no piston pins)	HSR03_05_22_002	1	
2	KOMPLETTER KOLBEN "A"	PISTON assy. "A" (inkl. rings no piston pins)	HSR03_05_22_003	1	
2	KOMPLETTER KOLBEN "C"	PISTON assy. "C" (inkl. rings no piston pins)	HSR03_05_22_004	1	
3	KOLBENBOLZEN	PISTON PIN	HSR03_05_22_005	1	
4	SPRENGRING ZUR BOLZENFESTSTELLUNG	PISTON PIN CIRCLIP	HSR03_05_22_006	2	
5	BEUTEL MIT KOLBENRINGEN	PISTON RINGS SET	HSR03_05_22_007	1	
6	UNTERLEGSCHIEBE	SEALING WASHER	HSR03_05_22_008	1	
7	SCHRAUBE	PLUG SCREW	HSR03_05_22_009	1	
8	BUCHSE	BUSHING	HSR03_05_22_010	2	

9	BEUTEL DICHUNG ZYLINDER-KOPF	CYLINDER HEAD GASKET	HSR03_05_22_011	1	
10	SCHRAUBE	CYLINDER BASE SCREW	HSR03_05_21_025	2	
11	ZYLINDER/ GEHÄUSEDICHTUNG	CYLINDER BASE GASKET 0,4 MM	HSR04_05_22_001	1	
12	SCHRAUBE	WATER MANIFOLT SCREW	HSR03_05_21_029	3	
13	SCHRAUBENSHELLE	HOSE CLAMP	HSR03_05_22_015	2	
14	DICHTUNG OR	WATER MANIFOLT O- RING	HSR03_05_22_016	1	
15	WASSERROHR	WATER HOSE	HSR03_05_22_017	1	
16	WASSERKRÜMMER	WATER MANIFOLD	HSR03_05_22_018	1	

COOLING CIRCUIT/ROLE OVER VALVE/ OIL SEPERATOR:

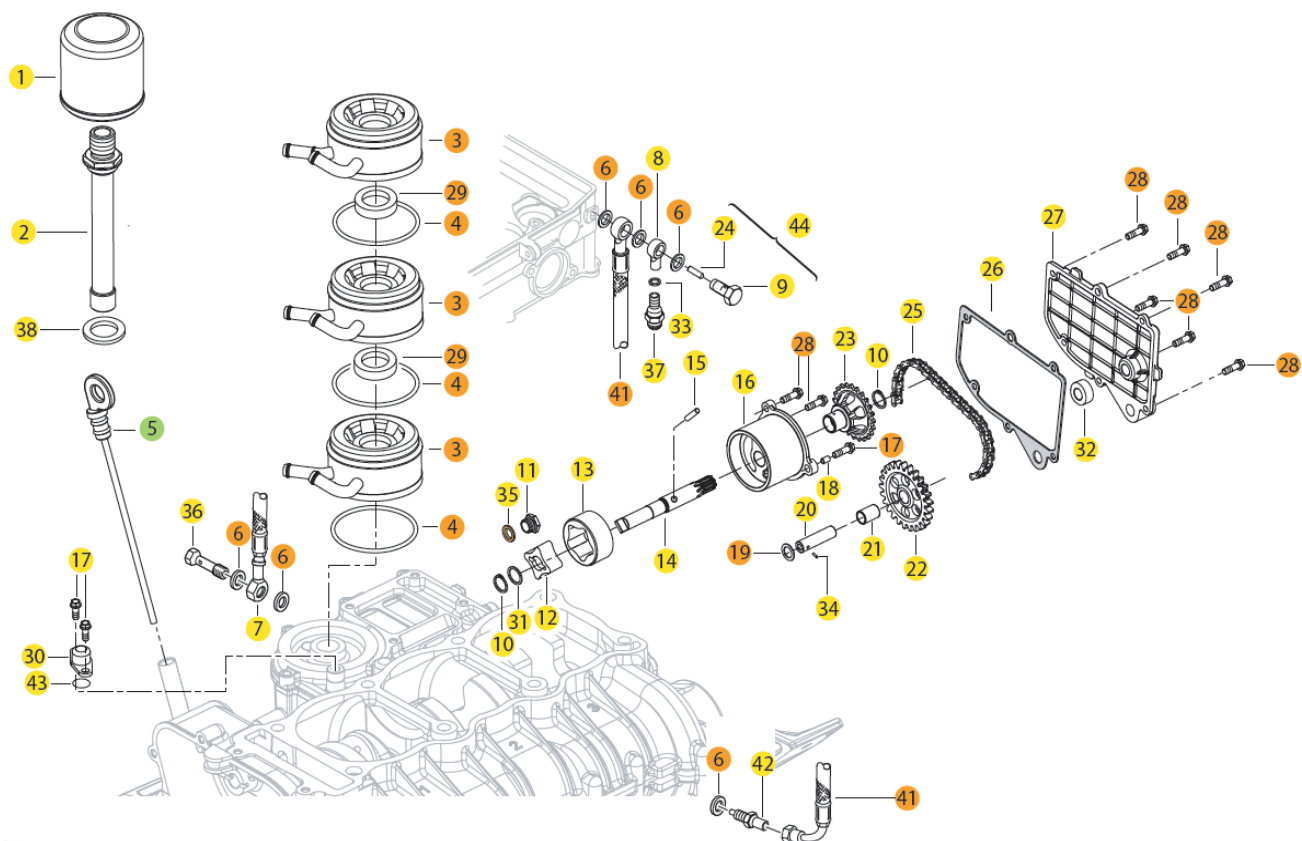


#	Bennennung	PART DESCRIPTION	Part number	Q-ty	TORQUE
1	SCHRAUBE	SCREW	HSR03_05_23_001	2	
2	SCHRAUBE	SCREW	HSR03_05_23_002	2	
3	PLÄTTCHEN	PLATE	HSR03_05_23_003	2	
4	SCHRAUBE	SCREW	HSR03_05_22_009	1	
5	DICHTUNGSRING	STOP WASHER	HSR03_05_23_005	1	
6	KNIESTÜCK WASSEREINLAUF	WATER ELBOW INLET	HSR03_05_23_007	1	
7	DICHTRING	SEAL RING	HSR03_05_23_007	1	
8	WASSERPUMPENDECKEL	WATER PUMP COVER	HSR03_05_23_008	1	
9	SCHRAUBENSHELLE	SCREW HOSE CLAMP	HSR03_05_23_009	1	
10	BUCHSE, FUEHRUNG	BUSHING GUIDE	HSR03_05_23_010	2	
11	BILNDE MUTTER	CAP NUT	HSR03_05_23_011	1	
12	DICHTUNGSRING	STOP WASHER	HSR03_05_23_012	1	
13	LÄUFERRAD DER WASSERPUMPE	WATER PUMP FAN	HSR03_05_23_013	1	
14	WASSERPUMPEWELLE	WATER PUMP SHAFT	HSR03_05_23_014	1	
15	DICHTRING	SEAL RING	HSR03_05_23_015	1	
16	HALTERUNG PUMPE	PUMP HOLDER	HSR03_05_23_016	1	
17	MECHANISCHE DICHTUNG	MECHANICAL SEAL	HSR03_05_23_017	1	
18	HYDRAULIKDICHTUNG	SEAL	HSR03_05_23_018	1	
19	ZENTRIERBUCHSE	CENTRING BUSH	HSR03_05_23_019	2	
20	SCHRAUBE	SCREW	HSR03_05_23_020	2	
21	DICHTRING	SEAL RING	HSR03_05_23_021	1	
22	DICHTRING	SEAL RING	HSR03_05_23_022	1	
23	LAGER	BEARING	HSR03_05_23_023	2	
24	DISTANZSTÜCK	SPACER	HSR03_05_23_024	1	
25	SEEGER AUSSEN	OUTER SEEGER	HSR03_05_23_025	1	
26	SEEGER INNEN	INNER SEEGER	HSR03_05_23_026	1	
27	DICHTUNG	GASKET	HSR03_05_23_027	1	
28	DECKEL BLOW-BY	BLOW-BY COVER	HSR03_05_23_028	1	
29	STIFTSCHRAUBE	STUD BOLT	HSR03_05_23_029	3	
30	SPEZIALMUTTER	SPECIAL NUT	HSR03_05_23_030	3	
31	OBER BLOW-BY KÖRPER	UPPER BLOW-BY BODY	HSR03_05_23_031	1	
32	DICHTUNG	GASKET	HSR03_05_23_032	1	



33	UNTER BLOW-BY KÖRPER	LOWER BLOW-BY BODY	HSR03_05_23_033	1	
34	PLÄTTCHEN	PLATE	HSR03_05_23_034	1	
35	ANSCHLUß	UNION	HSR03_05_23_035	3	
36	SCHRAUBENSCHELLE	SCREW HOSE CLAMP	HSR03_05_23_036	3	
37	KÖRPER WASSERPUMPE	WATER PUMP BODY	HSR03_05_23_037	1	
38	SCHRAUBE	SCREW	HSR03_05_23_038	4	
39	DICHTRING	SEAL RING	HSR03_05_23_039	3	
40	ROHR	TUBE	HSR03_05_23_040	1	
41	DICHTUNG OR	O-RING	HSR03_05_23_041	1	
42	SCHRAUBE	SCREW	HSR03_05_23_042	3	
43	PLATTCHEN	PLATE	HSR03_05_23_043	3	

LUBRICATION

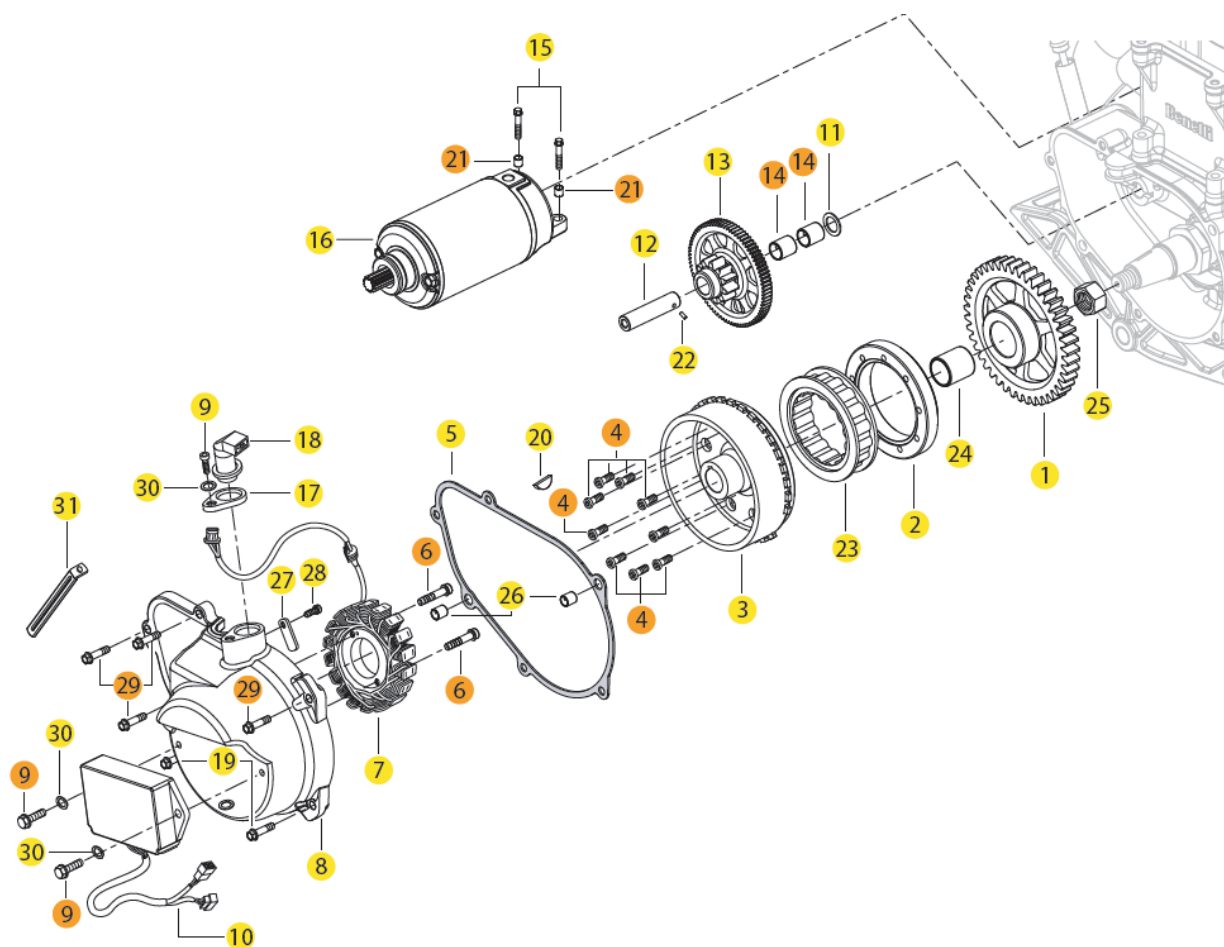


#	Benennung	PART DESCRIPTION	Part number	Q-ty	TORQUE
1	ÖLFILTER	OIL FILTER	HSR03_05_24_001	1	
2	SPEZIALSCHRAUBE	OILFILTER SUPPORT SCREW	HSR03_05_24_002	1	
3	AUSTAUSCHER WASSER-ÖL	OILCOOLERS	HSR03_05_24_003	3	
4	DICHTUNG OR	OILCOOLERS O-RINGS	HSR03_05_24_004	1	
5	OEL PEGELSTAB	DIP STICK	HSR20_05_24_001	1	
6	DICHTUNG	METAL GASKET	HSR03_05_24_006	6	
7	ROHR	OILINE HOSE	HSR03_05_24_007	1	
8	STECKANSCHLUß	FITTING OF OILPREASSURE SWITCH	HSR03_05_24_008	1	
9	SPEZIALSCHRAUBE	OILINE FIXATION SCREW	N/A, ONLY #44	1	
10	RING	THRUST WASHER	HSR03_05_24_010	2	
11	VERSCHLUß	PLUG SCREW	HSR03_05_24_011	1	
12	ROTOREN INNERES	INNER ROTORS	HSR03_05_24_012	1	
13	ROTOREN DECKEL	OUTER ROTORS	HSR03_05_24_013	1	
14	WELLE ÖLPUMPE	OIL PUMP SHAFT	HSR03_05_24_014	1	
15	ROLLE	OIL PUMP ROTOR ROLLER	HSR03_05_24_015	1	
16	ÖLPUMPE	OIL PUMP HOUSING	HSR03_05_24_016	1	
17	SCHRAUBE	FLANGE SCREWS	HSR03_05_24_017	2	
18	BUCHSE, FUEHRUNG	FLANGE	HSR03_05_24_018	1	
19	DISTANZSCHEIBE STÄRKE	BUSHING GUIDE	HSR03_05_24_019	1	
20	WELLE	OIL PUMP DRIVE SHAFT	HSR03_05_24_020	1	
21	BUCHSE	BUSHING OF OILPUMP DRIVE GEAR	HSR03_05_24_021	1	
22	ZAHNRAD	OIL PUMP DRIVE GEAR	HSR03_05_24_022	1	
23	PUMPENSTEUERRAD	OIL PUMP DRIVEN GEAR	HSR03_05_24_023	1	
24	ÖLSTRAHL	JET, OIL GALLERY	N/A, ONLY #44	1	
25	KETTE, OELPUMPE	OIL PUMP CHAIN	HSR03_05_24_025	1	
26	DICHTUNG	OIL PUMP COVER GASKET	HSR03_05_24_026	1	
27	ÖLPUMPE DECKEL	OIL PUMP COVER	HSR03_05_24_027	1	
28	SCHRAUBE	OIL PUMP COVER SCREW	HSR03_05_21_029	8	
29	DISTANZSTÜCK	SPACER OILCOOLER	HSR03_05_24_029	2	
30	FLANSCH	FLANGE	HSR03_05_24_030	1	



31	DISTANZSCHEIBE STÄRKE	SPACE WASHER	HSR03_05_24_031	1	
32	BUCHSE	BUSH	HSR03_05_25_014	1	
33	UNTERLEGSCHIEBE	SEAL WASHER	HSR03_05_24_033	1	
34	ROLLE	ROLLER	HSR03_05_24_034	1	
35	DICHTUNG	METTAL OILSEAL	HSR03_05_24_035	1	
36	SPEZIALSCHRAUBE	OILLINE FIXATION SCREW	HSR03_05_24_036	1	
37	OLDRUCKSENSOR	OIL PRESSURE SENSOR	HSR03_05_24_037	1	
38	DISTANZSCHEIBE STÄRKE	OIL FILTER SUPPORT SPACE WASHER	HSR03_05_24_038	1	
39	SCHELLE	OIL COOLER HOSE CLAMP	HSR03_05_24_039	4	
40	ROHR	OILCOOLER HOSE	HSR03_05_24_040	2	
41	ÖL ROHR	OIL TUBE	HSR03_05_24_046	1	
42	ANSCHLUSS	JOINT	HSR03_05_24_047	1	
43	DICHTUNG OR	O-RING	HSR03_05_24_048	1	
44	KIT SPEZIALSCHRAUBE	SPECIAL SCREW KIT	HSR03_05_24_045	1	

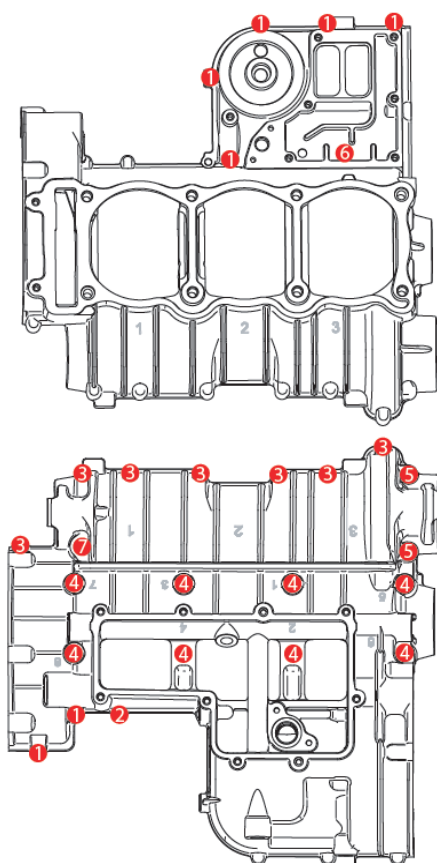
IGNITION/GENERATOR AND STARTER SYSTEM



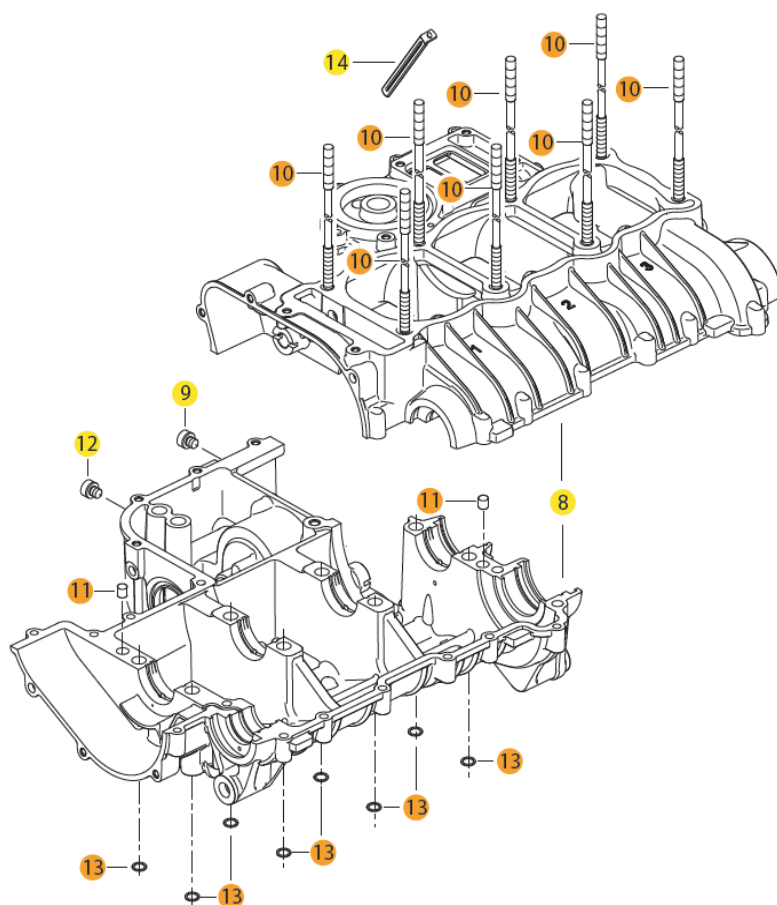
#	Bennennung	PART DESCRIPTION	Part number	Q-ty	TORQUE
1	ZAHNRAD	STARTER TRANSMISSION GEAR	HSR03_05_25_001	1	
2	FLANSCH	ONE WAY CLUTCH SUPPORT	HSR03_05_25_002	1	
3	SCHWUNGRAD ROTOR	GENERATOR FLY WHEEL	HSR03_05_25_003	1	
4	SCHRAUBE	GENERATOR FLY WHEEL SCREW	HSR03_05_25_004	9	
5	DICHTUNG	IGNITION COVER GASKET	HSR03_05_25_005	1	
6	SCHRAUBE	STARTOR GENERATOR SCREW	HSR03_05_25_006	2	
7	STATOR	STARTOR GENERATOR	HSR03_05_25_007	1	
8	DECKEL DES DREHSTROMGENERATORS	IGNITION COVER	HSR03_05_25_008	1	
9	SCHRAUBE	VOLTAGE RECTIFIER SCREW	HSR03_05_22_009	3	
10	SPANNUNGSREGLER	VOLTAGE RECTIFIER	HSR03_05_25_010	1	
11	DISTANZSCHEIBE STÄRKE	TRUST WASHER	HSR03_05_24_019	1	

12	WELLE	STARTER GEAR SHAFT	HSR03_05_25_012	1	
13	ZAHNRAD	STARTER GEAR	HSR03_05_25_013	1	
14	BUCHSE	BUSHING	HSR03_05_25_014	2	
15	SCHRAUBE	SCREWS ELECTRIC STARTER MOTOR	HSR03_05_21_025	2	
16	ELEKTRISCHER ANLAßMOTOR	ELECTRIC STARTER MOTOR	HSR03_05_25_016	1	
17	ABSTANDSRING	PHASE SENSOR SUPPORT	HSR03_05_25_017	1	
18	PHASENFÜHLER	PHASE SENSOR	HSR03_05_25_018	1	
19	SCHRAUBE	SCREW PHASE SENSOR SUPPORT	HSR03_05_20_013	1	
20	SCHWUNGRADKEIL	WOODROF KEY	HSR03_05_25_020	1	
21	BUCHSE	BUSHING STARTER MOTOR	HSR03_05_25_021	2	
22	ROLLE	ROLLER	HSR03_05_24_034	1	
23	FREILAUF	ONE WAY CLUTCH	HSR03_05_25_023	1	
24	BUCHSE	STARTER GEAR SLEEVE	HSR03_05_25_024	1	
25	MUTTER	NUT FOR THE GENERATOR FLY WHEEL	HSR03_05_25_025	1	
26	BUCHSE	BUSHING IGNITION HOUSING	HSR03_05_25_026	2	
27	PLÄTTCHEN	PLATE	HSR03_05_25_027	1	
28	SCHRAUBE	PLATE SCREW	HSR03_05_25_028	1	
29	SCHRAUBE	SCREW FOR IGNITION HOUSING	HSR03_05_25_029	1	
30	UNTERLEGSCHEIBE	WASHER FOR PHASE SENSOR SUPPORT	HSR03_05_25_030	3	
31	SCHELLE	RUBBERIZED CLAMP	HSR03_05_21_070	1	

CRANKCASE OF THE ENGINE:



VER.01- GIU. 08

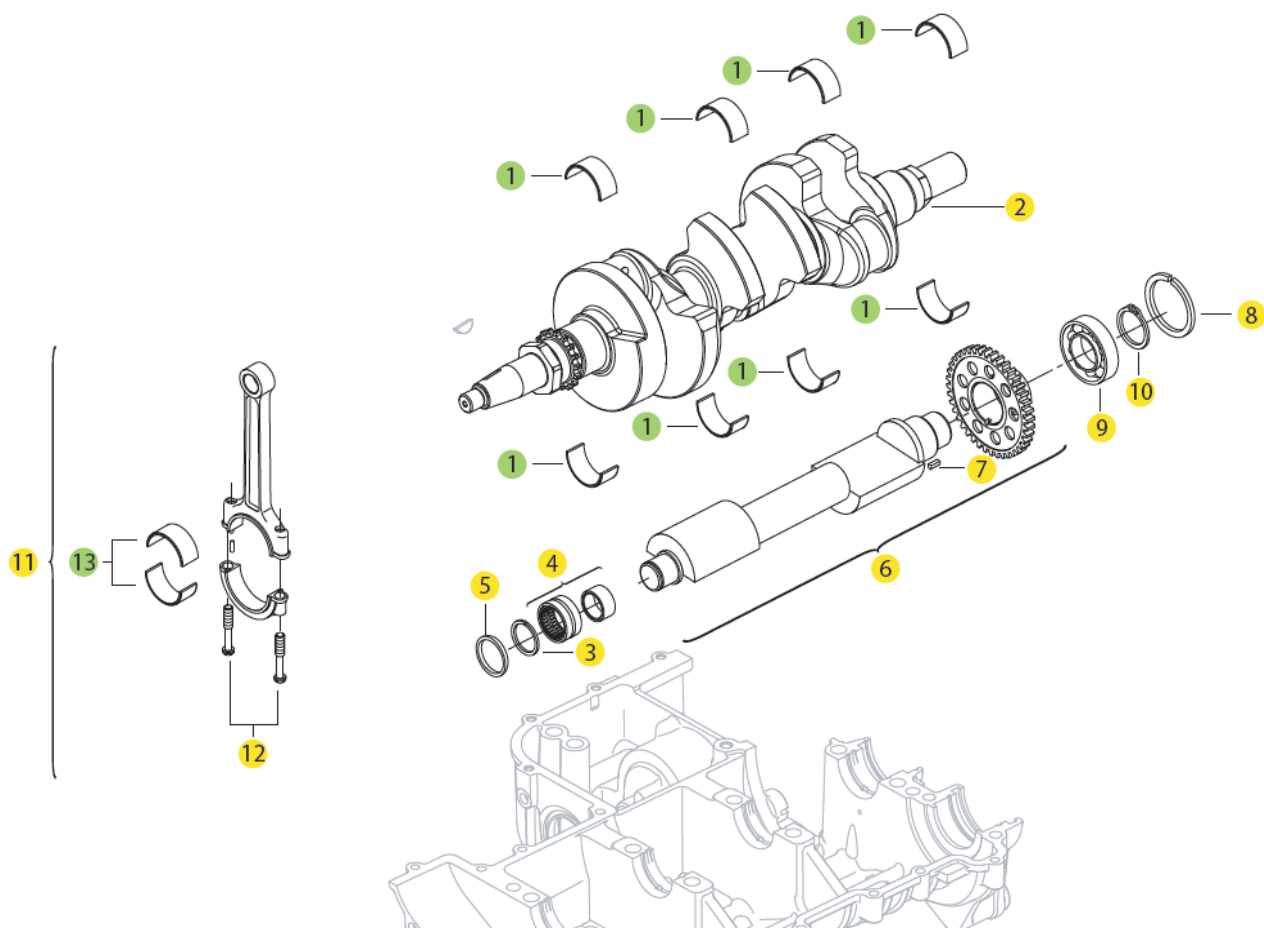


#	Bennenung	PART DESCRIPTION	Part number	Q-ty	TORQUE
1	SCHRAUBE	SCREW CRANKCASE HOUSING	HSR03_05_26_001	7	
2	SCHRAUBE	SCREW CRANKCASE HOUSING	HSR03_05_21_029	1	
3	SCHRAUBE	SCREW CRANKCASE HOUSING	HSR03_05_26_003	7	
4	SCHRAUBE	SCREW CRANKCASE HOUSING	HSR03_05_26_004	8	
5	SCHRAUBE	SCREW CRANKCASE HOUSING	HSR03_05_26_005	2	
6	SCHRAUBE	SCREW CRANKCASE HOUSING	HSR03_05_26_006	1	
7	SCHRAUBE	SCREW CRANKCASE HOUSING	HSR03_05_26_007	1	
8	GEHÄUSEHÄLFTE	CRANKCASE HOUSING BOTH HALFS	HSR03_05_26_008	1	
9	VERSCHLUß	PLUG SCREW	HSR03_05_21_010	1	
10	STIFTSCHRAUBE ZILINDERKOPF	HEAD STUD BOLT	HSR03_05_26_010	8	
11	BUCHSE	BUSHING	HSR03_05_26_011	2	



12	VERSCHLUß	ADAPTER, OIL LINE BOLT	HSR03_05_26_013	1	
13	UNTERLEGSCHIEBE	WASHER	HSR03_05_26_014	8	
14	SCHELLE	RUBBERIZED CLAMP	HSR03_05_21_070	1	

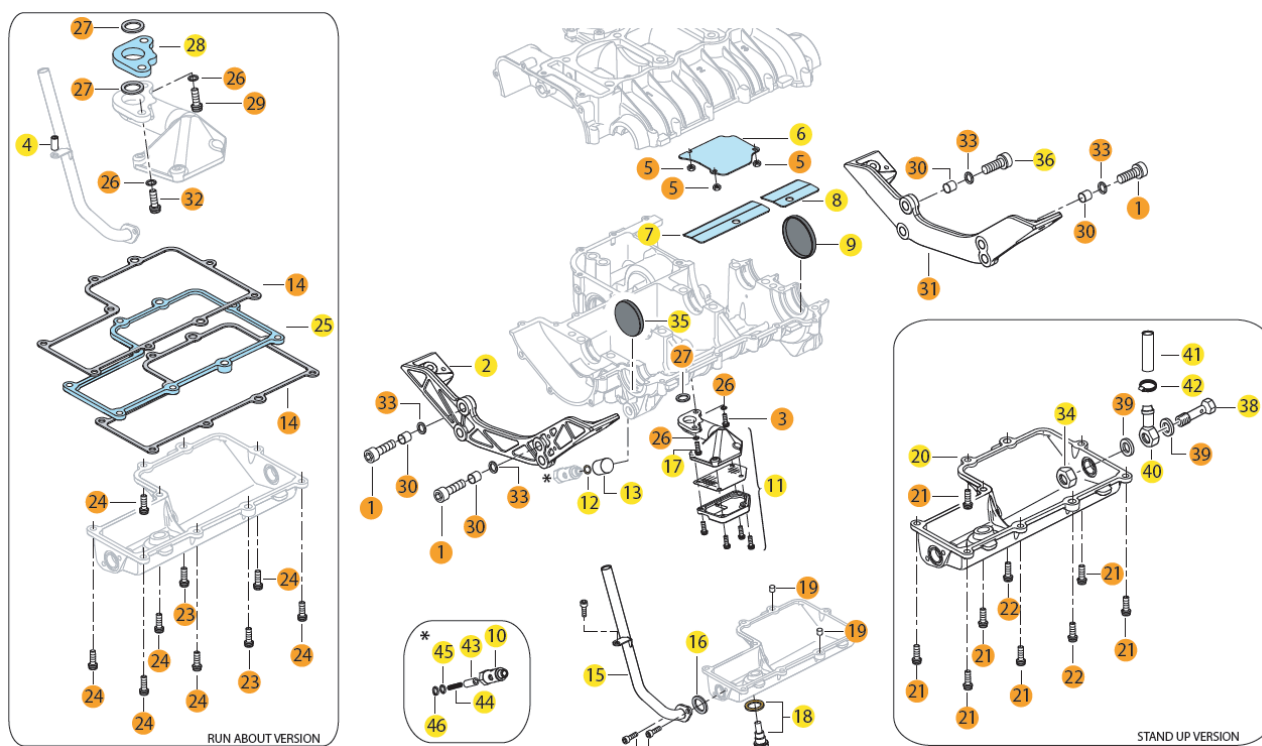
BOTTOM END OF THE ENGINE:



#	Bennenung	PART DESCRIPTION	Part number	Q-ty	TORQUE
1	HALBLAGER ROT	PLAINBEARING HALFS READ	HSR03_05_27_001	2	
1	HALBLAGER BLAU	PLAINBEARING HALFS BLUE	HSR03_05_27_002	2	
1	HALBLAGER GELB	PLAINBEARING HALFS YELLOW	HSR03_05_27_003	2	
2	ANTRIEBWELLE	CRANKSHAFT	HSR03_05_27_004	1	
3	SPRENGRING	SNAP RING	HSR03_05_27_005	1	
4	ROLLENLAGER	ROLLER BEARING	HSR03_05_27_006	1	
5	RING	RING	HSR03_05_27_007	1	

6	BALANCE WELLE	BALANCE SHAFT	HSR03_05_27_008	1	
7	RULLO	LOCATION ROLLER	HSR03_05_27_009	1	
8	SEEGERRING	CIRCLIP	HSR03_05_27_010	1	
9	KUGELLAGER	BALL BEARING	HSR03_05_27_011	1	
10	SPRENGRING	SNAP RING	HSR03_05_27_012	1	
11	KOLBENSTANGE	CONNECTING ROD ASSY: (INKL. PLAIN BEARING; SCREWS)	HSR03_05_27_013	1	
12	SPEZIALSCHRAUBE	CON ROD SCREWS	HSR03_05_27_014	2	
13	HALBLAGER (BLAU)	PLAIN BEARING CON ROD HALFS BLUE	HSR03_05_27_015	2	
13	HALBLAGER (GELB)	PLAIN BEARING CON ROD HALFS YELLOW	HSR03_05_27_016	2	
13	HALBLAGER (ROT)	PLAIN BEARING HALFS CON ROD RED	HSR03_05_27_017	2	

OIL PUMP AND ENGINE SUPPORT OF THE ENGINE:

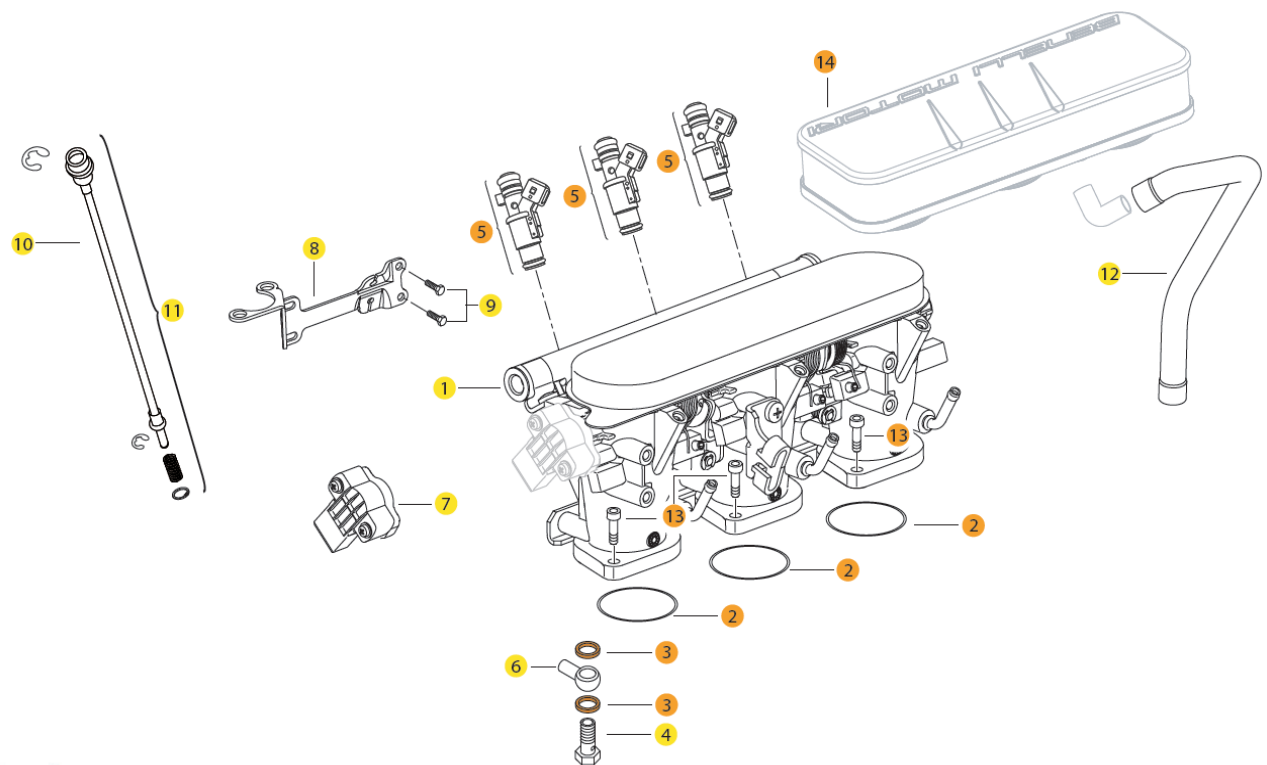


#	Bennenung	PART DESCRIPTION	Part number	Q-ty	TORQUE
1	SCHRAUBE	ENGINE SUPPORT SCREW	HSR03_05_28_001	3	
2	PLATTE Vorne	ENGINE SUPPORT FRONT	HSR03_05_28_025	1	
3	SCHRAUBE	SCREW	HSR03_05_24_017	2	
4	ABSTANDSRING	SHIM	HSR20_05_28_001	2	
5	MUTTER	NUT	HSR03_05_20_025	3	
6	PL TTCHEN	PLATE	HSR03_05_28_005	1	
7	PL TTCHEN	PLATE	HSR03_05_28_006	1	
8	PL TTCHEN	PLATE	HSR03_05_28_007	1	
9	DECKEL	PLASTIC OOVER	HSR03_05_28_008	1	
10	VENTIL KÖRPER	OIL PRESURE REGULATOR	HSR03_05_28_009	1	
11	ANSAUGFILTER	OIL SIEVE	HSR03_05_28_010	1	
12	DICHTUNG OR	O-RING	HSR03_05_28_011	1	
13	STOESSEL	OIL PRESURE REGULATOR VALVE	HSR03_05_28_012	1	
14	DICHTUNG	GASKET	HSR03_05_28_013	2	
15	ROHR	DIP STICK TUBE	HSR03_05_28_014	1	
16	DICHTUNG	GASKET	HSR03_05_20_014	1	
17	SCHRAUBE	SCREW OILPUMP SIEVE	HSR03_05_21_029	1	
18	MAGNETDECKEL	PLUGSCREW (MAGNETIC)	HSR03_05_28_017	1	
19	BUCHSE	BUSHING	HSR03_05_28_018	2	
20	ÖLWANNE	OIL SUMP	HSR03_05_28_019	1	
21	SCHRAUBE	SCREW	HSR03_05_23_002	7	
22	SCHRAUBE	SCREW	HSR03_05_21_029	2	
23	SCHRAUBE	SCREW	HSR20_05_28_002	2	
24	SCHRAUBE	SCREW	HSR20_05_28_003	7	
25	ABSTANDSRINGÖLWANNE	OIL SUMP SHIM	HSR20_05_28_004	1	
26	UNTERLEGSCHEIBE	WASHER	HSR03_05_25_030	3	
27	DICHTUNG	O-RING	HSR03_05_28_023	3	
28	ABSTANDSRINGANSAUGFILTER	INTAKE FILTER SHIM	HSR03_05_26_003	1	
29	SCHRAUBE	SCREW	HSR20_05_28_006	2	
30	BUCHSE, FUEHRUNG	BUSHING GUIDE	HSR03_05_28_024	4	



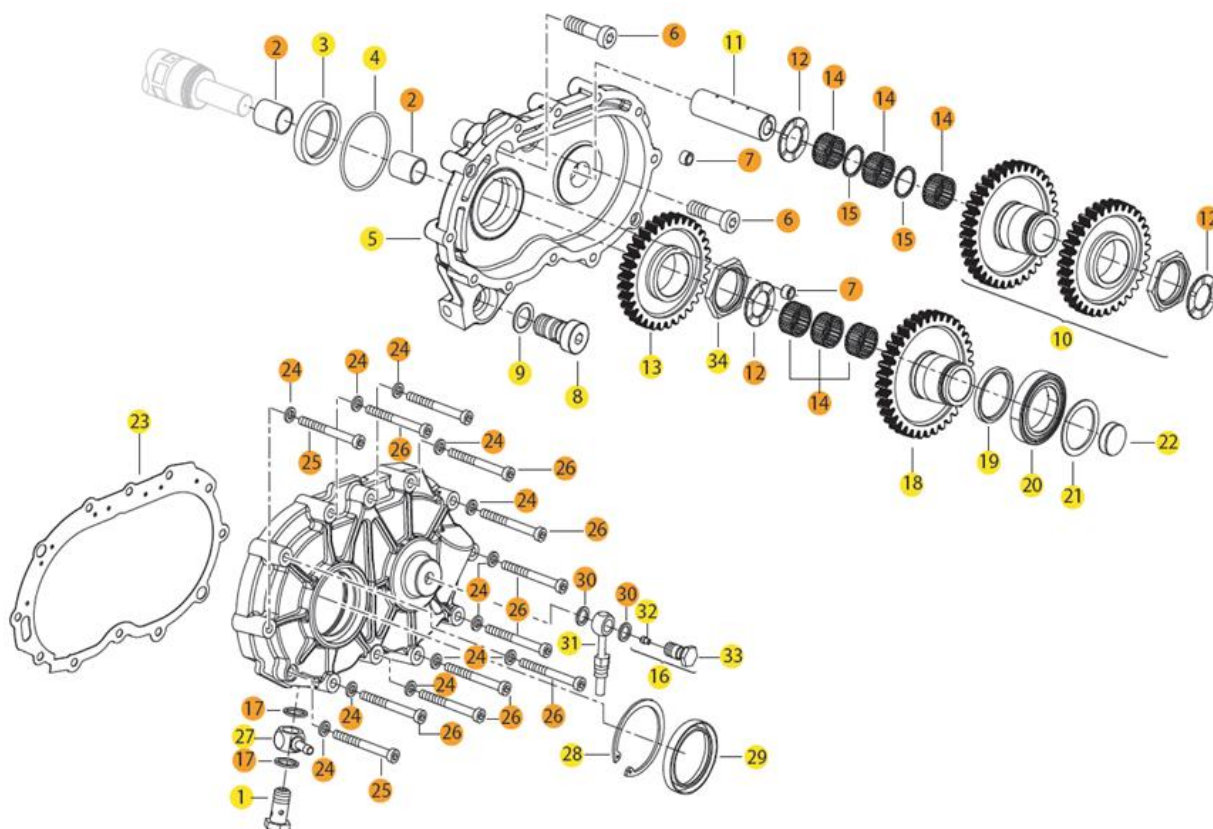
31	PLATTE hinten	ENGINE SUPPORT REAR	HSR03_05_28_030	1	
32	SCHRAUBE	SCREW	HSR20_05_28_007	1	
33	UNTERLEGSCHIEBE	WASHER	HSR03_05_28_026	4	
34	MUTTER	NUT	HSR03_05_24_041	1	
35	DECKEL	BALLANCE SHAFT COVER	HSR03_05_28_028	1	
36	SCHRAUBE	ENGINE SUPPORT SCREW	HSR05_05_28_031	1	
37	SCHRAUBE	SCREW	HSR03_05_22_009	2	
38	SPEZIALSCHRAUBE	BANJO BOLT,	HSR03_05_12_024	1	
39	DICHTUNG	GASKET	HSR00_99_03_039	3	
40	ANSCHLUß	UNION	HSR03_05_12_026	1	
41	Schlauch 0,5m	TUBE	HSR00_99_09_088	1	
42	SCHELLE	CLAMP	HSR00_99_09_089	1	
43	ETUI	CASE	HSR03_05_28_032	1	
44	FEDER	SPRING	HSR03_05_28_033	1	
45	UNTERLEGSCHIEBE	WASHER	HSR03_05_28_034	1	
46	SEEGERRING	CIRCLIP	HSR03_05_28_035	1	

THROTTLEBODY/AIRFILTER/INJEKTORS:



#	Bennenung	PART DESCRIPTION	Part number	Q-ty	TORQUE
1	DROSSELKÖRPER	THROTTLE BODY	HSR03_05_29_001	1	
2	DICHTUNG OR	O-RING	HSR03_05_22_016	3	
3	UNTERLEGSCHIEBE	WASHER	HSR03_05_29_003	2	
4	ANSCHLUß	HOLE SCREW	HSR03_05_29_004	1	
5	EINSPRITZDÜSE	INJECTOR	HSR03_05_29_005	3	
6	ANSCHLUß	HOLE FITTING	HSR03_05_29_006	1	
7	POTENTIOMETER	THROTTLE BODY POTENTIOMETER (TPS)	HSR03_05_29_007	1	
8	SPEZIALPLÄTTCHEN	BRACKET SUPPORT	HSR03_05_29_008	1	
9	SCHRAUBE	SCREWS BRACKET SUPPORT	HSR03_05_24_017	2	
10	KABEL FÜR EINSTELLUNG	IDLING ADJUSTING CABLE	HSR03_05_29_010	1	
11	KABEL FÜR EINSTELLUNGKIT	IDLING ADJUSTING CABLE ASSY	HSR03_05_29_011	1	
12	ROHR	BLOW BY HOSE	HSR03_05_29_012	1	
13	SCHRAUBE	SCREW THROTTLE BODY	HSR03_05_29_013	3	
14		ASM AIRBOX 3Z	HSR03_05_09_000	1	

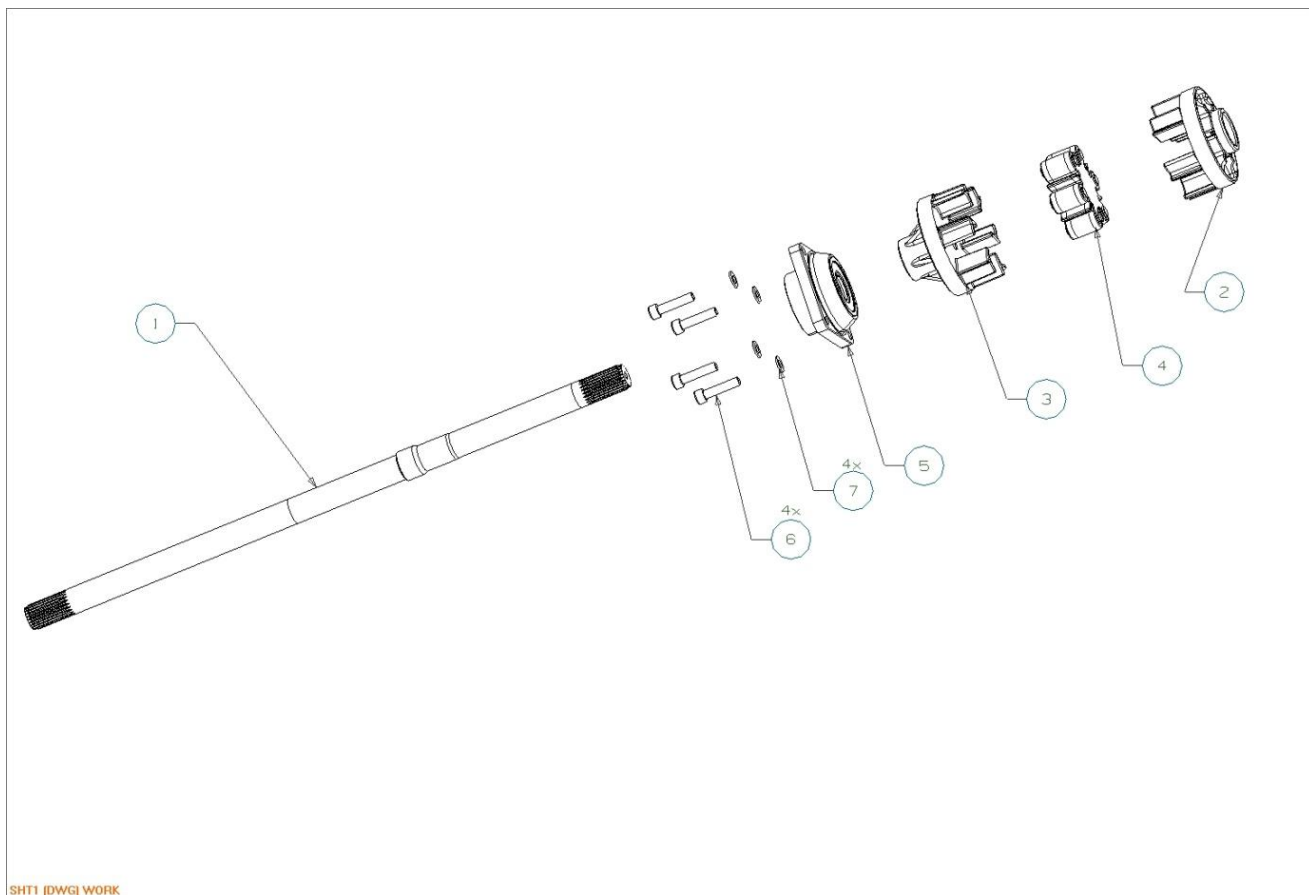
TRANSMISSION:



#	Bennennung	PART DESCRIPTION	Part number	Q-ty	TORQUE
1	SPEZIALSCHRAUBE	BANJO BOLT, OIL LINE	HSR03_05_12_024	1	
2	Innenring	INNER RING 17 X 20 X 20,5	HSR03_05_12_020	2	
3	WellendICHTRING	SEAL RING 35x47x7	HSR03_05_12_015	1	
4	DICHTUNG OR	O-RING 55 X 2,5	HSR00_99_03_031	1	
5	GEARBOX	GEARBOX CASE	HSR03_05_12_001	1	
6	SCHRAUBE	SCREW M 10 X 35; DIN 7984	HSR00_99_01_129	2	
7	BUCHSE	CENTRE SLEEVE 10H6 X 6,65	HSR03_05_12_021	2	
8	Hohlschraube	BANJO BOLT M16 X 1,5	HSR03_05_12_016	1	
9	UNTERLEGSCHIEBE	COPPER SEALING RING	HSR00_99_03_040	1	
10	ZAHNRAD Z33/Z36	GEAR Z33/Z36	HSR03_05_12_025	2	
11	KOLBENBOLZEN	GEAR SHAFT D 20	HSR03_05_12_013	1	

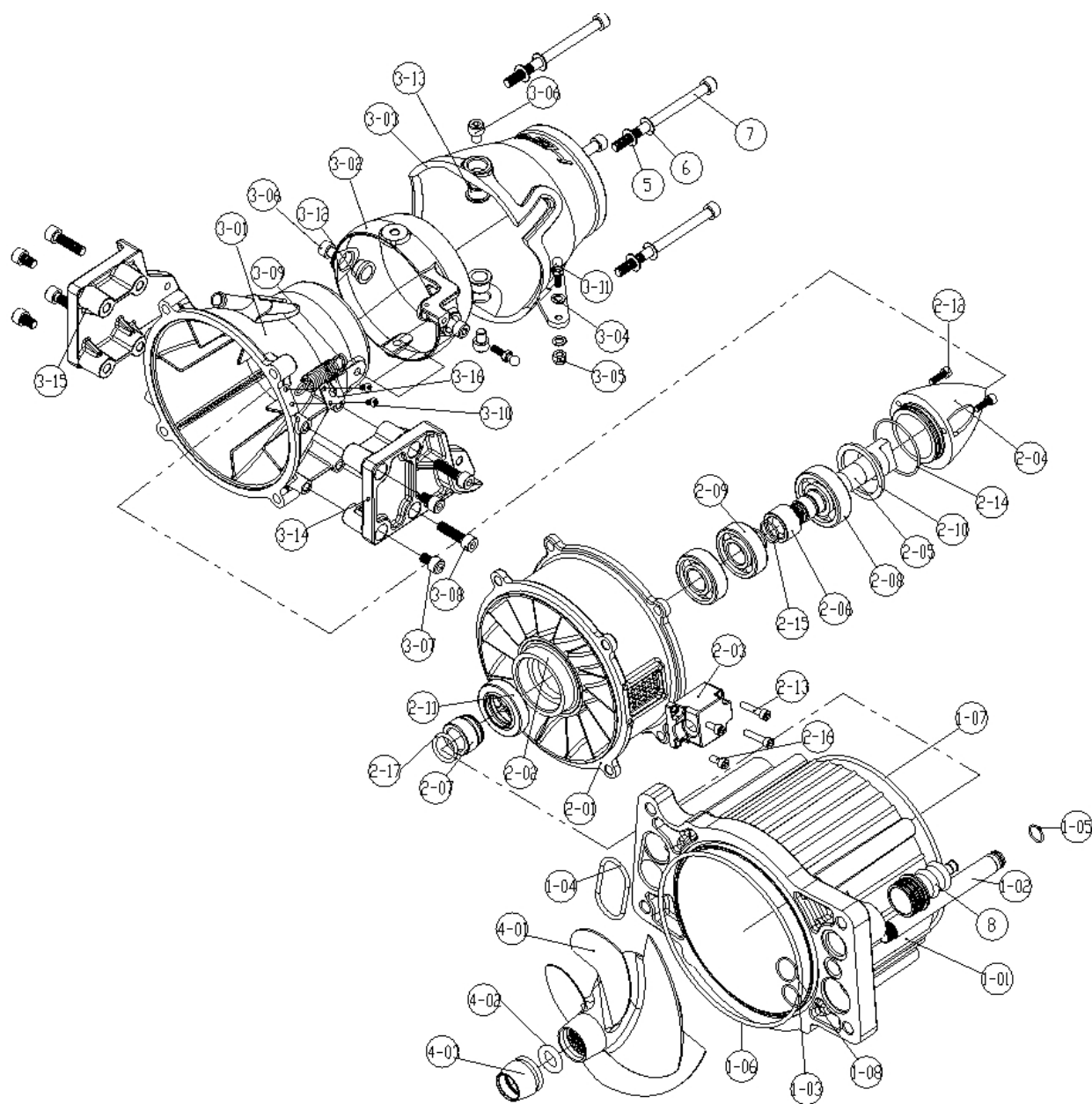
12	SPEZIALUNTERLEGSCHIEBE	SPECIAL WASHER	HSR03_05_12_008	3	
13	ZAHNRAD Z31	GEAR Z31	HSR03_05_12_003	1	
14	NADELKÄFIG	NEEDLE BEARING	HSR03_05_12_011	6	
15	DISTANZSTÜCK	SPACER	HSR03_05_12_009	2	
16	KIT SPEZIALSCHRAUBE	SPECIAL SCREW KIT	HSR03_05_12_028	1	
17	DICHTUNG	COPPER SEALING RING	HSR00_99_03_039	2	
18	ZAHNRAD Z34	GEAR Z34	HSR03_05_12_004	1	
19	DISTANZSTÜCK	SPACER 4,5 mm	HSR03_05_12_010	1	
20	LAGER	BEARING 61907	HSR03_05_12_012	1	
21	DISTANZSTÜCK	SPACER 1.5mm	HSR03_05_12_027	1	
22	VERSCHLUß	PLUG AlMg3	HSR03_05_12_019	1	
23	DICHTUNG	GASKET GEARBOX	HSR03_05_12_017	1	
24	UNTERLEGSCHIEBE	WASHER A 6.4 DIN 125	HSR00_99_01_036	12	
25	SCHRAUBE	SCREW M6x50	HSR00_99_01_127	2	
26	SCHRAUBE	SCREW M6x55	HSR00_99_01_128	10	
27	ANSCHLUß	BANJO BOLT, OIL LINE	HSR03_05_12_026	1	
28	DICHTRING	LOCKING RING 55X2 DIN472	HSR03_05_12_018	1	
29	SIMMERING	OIL SEAL 42X56X7	HSR03_05_12_014	1	
30	UNTERLEGSCHIEBE	COPPER SEALING RING	HSR00_99_03_033	2	
31	ROHR	OILINE HOSE	HSR03_05_24_007	1	
32	ÖLSTRAHL	INJECTION NOZZLE 44- 031/1,0	N/A,ONLY#16	1	
33	SPEZIALSCHRAUBE	BANJO BOLT M10x1	N/A,ONLY#16	1	
34	MUTTER	NUT M32 x 1,5	HSR03_05_12_007	1	

DRIVESHAFT, COUPLER:



#	Bennennung	PART DESCRIPTION	Part number	Q-ty	
1	Antriebswelle 3Z	DRIVESHAFT 3Z	HSR20_06_02_001	1	
2	Kupplungsklaue eng	SPIDER COUPLER ENG	HSR03_06_02_005	1	
3	Kupplungsklaue drs kpl.	SPIDER COUPLER DRS ASM	HSR03_06_02_006	1	
4	Dämpfer Kuppler	DAMPER COUPLER	HSR03_06_02_007	1	
5	Flanschlager	FLANGE BEARING	HSR03_06_03_000	1	
6	Schraube Zyl.kopf M8x30 6er Inbus ISO4762	SCREW	HSR00_99_01_013	4	
7	Scheibe A 8,4 DIN 125	WASHER	HSR00_99_01_062	4	

JET PUMP



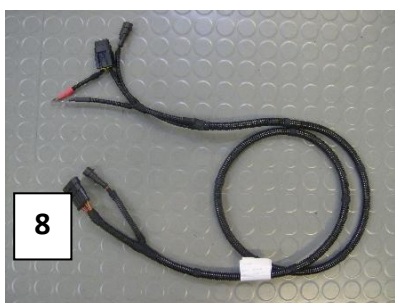
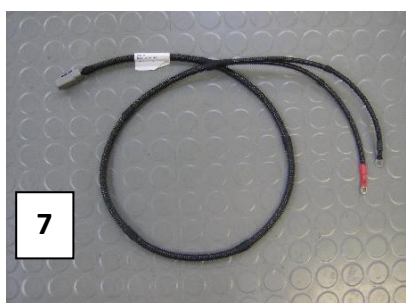
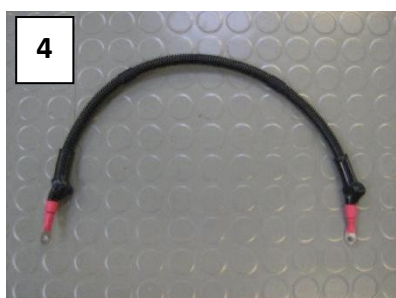
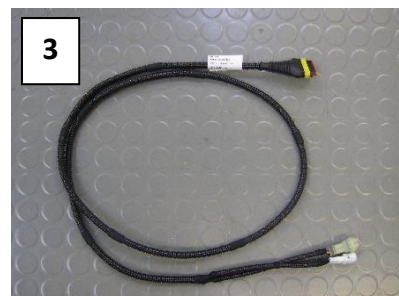
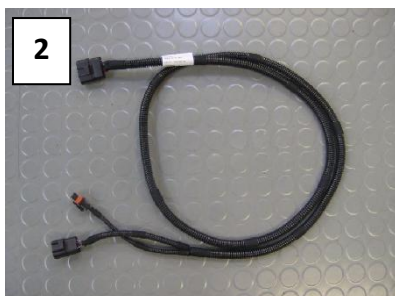
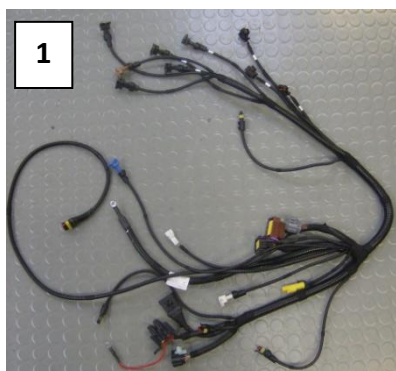
#	Bennenung	PART DESCRIPTION	Part number	Q-ty	
PUMP HOUSING					
1-01		HOUSING	HSR20_06_00_000	1	
1-02		WATER PIPE, HS COMP	HSR20_06_00_104	1	
1-03		O-RING S 18	HSR00_05_21_215	1	
1-04		O-RING, P-048	HSR03_06_00_108	1	
1-05		O-RING, S14	HSR03_06_00_105	1	
1-06		O-RING, AS-258	HSR20_06_00_107	1	
1-07		O-RING, AS-260	HSR20_06_00_109	1	
1-08		O-RING, S26	HSR03_06_00_110	1	
STATOR SET					
2-01		14VANE, STATOR COMP, HSR R08	HSR20_06_00_211	1	
2-02		HUB, STATOR COMP, HSR R08	HSR20_06_00_201	1	
2-03		CAP, SV COMP, HSR S08 PUMP	HSR20_06_00_202	1	
2-04		CONE, STAT COMP, HSR D140	HSR00_05_21_213	1	
2-05		IMPL SHAFT, STAT COMP	HSR20_06_00_205	1	
2-06		SPACER, STAT COMP, HSR R08	HSR20_06_00_207	1	
2-07		IMPL SPACER, STAT COMP, HSR R08	HSR03_06_00_206	1	
2-08		RADIAL BALL BEARING	HSR00_05_21_209	1	
2-09		RADIAL BEARING	HSR03_06_00_204	2	
2-10		BACKUP RING, BRT 52X42X3	HSR00_05_21_219	1	
2-11		OIL SEAL 50x30x11	HSR03_06_00_203	1	
2-12		SOCKET HEAD CAP SCREW M5x15	HSR00_05_21_214	3	
2-13		SOCKET HEAD CAP SCREW M5x25	HSR00_05_21_212	2	
2-14		O-RING S48	HSR00_05_21_216	1	
2-15		O-RING S18	HSR03_06_00_208	2	
2-16		SOCKET HEAD CAP SCREW, M5x12L	HSR20_06_00_210	2	
2-17		O-RING AS 907	HSR00_05_21_217	1	
NOZZLE SET					
3-01		ASSY, NOZZLE, SERIES R	HSR20_06_00_301		
3-02		TRIM RING, NOZZ COMP, HSR R08	HSR20_06_00_310		
3-03		STEERING NOZZLE, 92	HSR21_06_00_311		
3-04		WASHER D10	HSR00_05_21_307		
3-05		TORQUE NUT, M6	HSR00_05_21_309		
3-06		SOCKET HEAD CAP SCREW M8x10	HSR00_05_21_306		



3-07		SOCKET HEAD CAP SCREW M8x12	HSR00_05_21_318		
3-08		SOCKET HEAD CAP SCREW M8x30L	HSR21_06_00_312		
3-09		SPRING, AUS16-055	HSR00_05_21_316		
3-10		SOCKET HEAD CAP SCREW M4x8L	HSR00_05_21_315		
3-11		BALL JOINT, SN COMP	HSR00_05_21_308		
3-12		BUSHING, TRIM COMP, HSR D140	HSR00_05_21_303		
3-13		BUSHING, STRG COMP, HSR D140	HSR00_05_21_305		
3-14		REV BRACKET, NOZZLE COMP, R08	HSR21_06_00_313		
3-15		REV BRACKET, NOZZLE COMP, R08	HSR21_06_00_314		
3-16		BACK SPRING HOOK, NOZZLE COMP, R08	HSR21_06_00_317		
IMPELLER					
4-01		IMPELLER, 11/19 XL	HSR21_06_00_400		
4-02		O - RING AS 312	HSR20_06_00_401		
4-03		NOSE SEAL	HSR03_06_00_419		
5		WASHER D8	HSR00_05_21_500		
6		SPRING WASHER, M8	HSR00_05_21_600		
7		HEX BOLT, M8x110	HSR00_05_21_700		
8		TRIM CABLE SEAL	HSR03_06_00_800		



WIRING HARNESS:



#	Bennenung	PART DESCRIPTION	Part number	Q-ty	TORQUE
1		WIRE HARNESS ECUB SERIES R	HSR20_05_02_001	1	
2		WIRE HARNESS DASHBOARD EXTENSION SERIES R	HSR20_05_02_002	1	
3		WIRE HARNESS START/STOP EXTENSION SERIES R	HSR20_05_02_003	1	
4		WIRE HARNESS STARTRELAY/BATTERY SERIES R	HSR20_05_02_004	1	
5		WIRE HARNESS ENGINE GND SERIES R	HSR20_05_02_005	1	
6		WIRE HARNESS STARTRELAY/STARTER MOTOR SERIES R	HSR20_05_02_006	1	
7		WIRE HARNESS VOLTAGE REGULATOR/BATTERY SERIES R	HSR20_05_02_007	1	
8		WIRE HARNESS SERIES R REVERS	HSR21_03_01_013	1	