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HL 178 F



HL 178 F

COMUNICAZIONI - NOTE

*I ricambi **EVIDENZIATI in GRASSETTO** sono quelli disponibili presso il Ns magazzino e reperibili/spedibili in 24/48 ore.*

La COSPET SRL si riserva sui ricambi non evidenziati negli esplosi di reperirli con tempistiche che andranno dai 60 ai 120 giorni.

Su tutte le urgenze e i via Aerea richiesti, per anticipare i tempi di consegna del materiale non disponibile sugli esplosi, verranno addebitate le Spese di trasporto.

HL 178 FA / HP 6,7



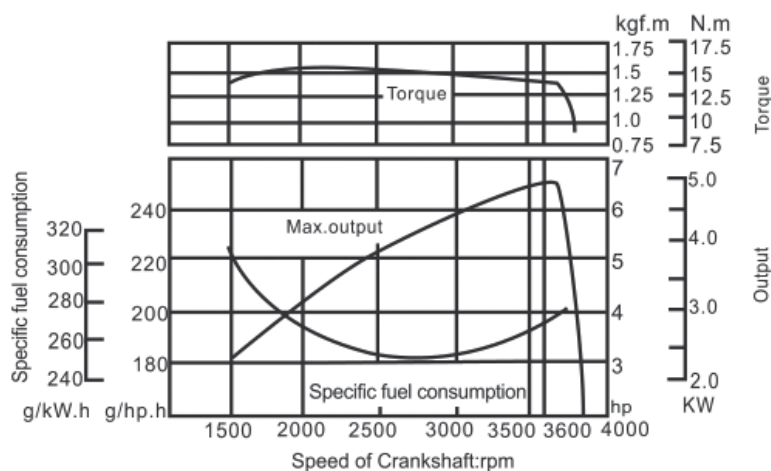
MOTORE / ENGINE

MODEL 178 FA HP 6,7 HAILIN

Singolo cilindro, raffreddamento ad aria / Single cylinder, air cooled

Alesaggio corsa / Bore Stroke	78 x 64 mm
Cilindrata / Displacement	306 cc
Max potenza resa / Max output	7 Hp
Potenza uso continuo / Continuous output	6,7 Hp
Giri motore / Engine speed	3600 r.p.m.
Carburante / Fuel	Diesel
Capacità Serbatoio / Fuel Capacity (Lt)	3,5 Lt
Capacità Serbatoio Olio / Fuel Oil Capacity (Lt)	1,1 Lt
Avviamento Standard / Starting System	Manuale / Recoil
Tipo Olio / Lube oil type	10W40
Dimensioni / Dimension	383 x 421 x 450
Peso a secco / Dry Weight	38 Kg

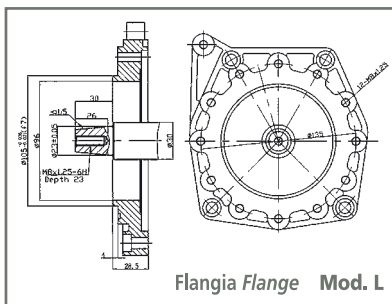




VERSIONE / VERSIONS



Albero conico D. 23 - Type shaft

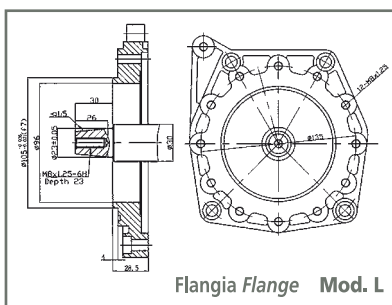


HL 178 FA-G4 L cod. WP2290480

- Albero Conico D.23
- Avviamento Manuale
- Filtro Aria bagno olio



Albero conico D. 23 - Type shaft

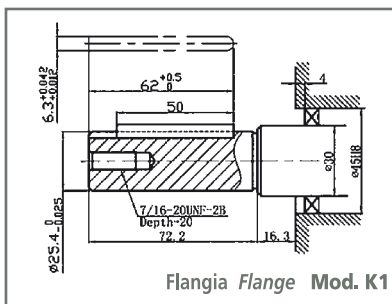


HL 178 FA-E G4 L cod. WP2290450

- Albero Conico D.23
- Avviamento Elettico
- Filtro Aria bagno olio



Albero cilindrico D.25.4
Cilindric shaft

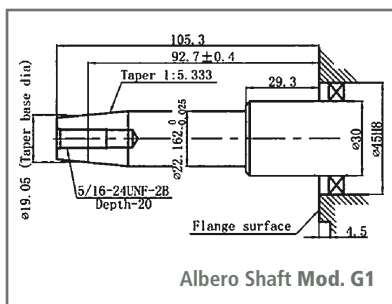


HL 178 FA-E K1 cod. WP2290520

- Albero Cilindrico D.25.4
- Avviamento Elettico
- Filtro Aria secco



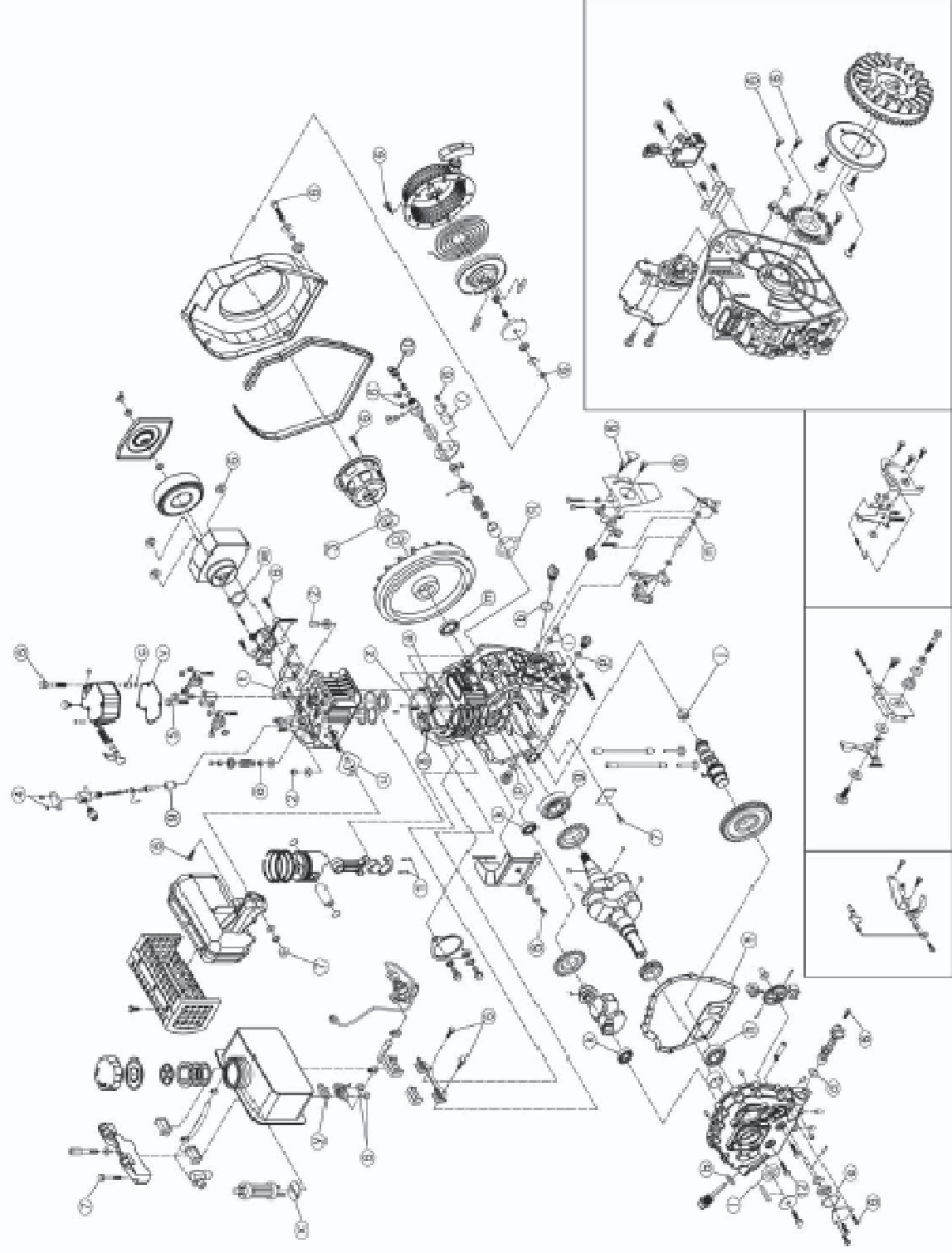
Albero lungo generatore
Generator shaft



HL 178 FA-E G1 cod. WP2290440

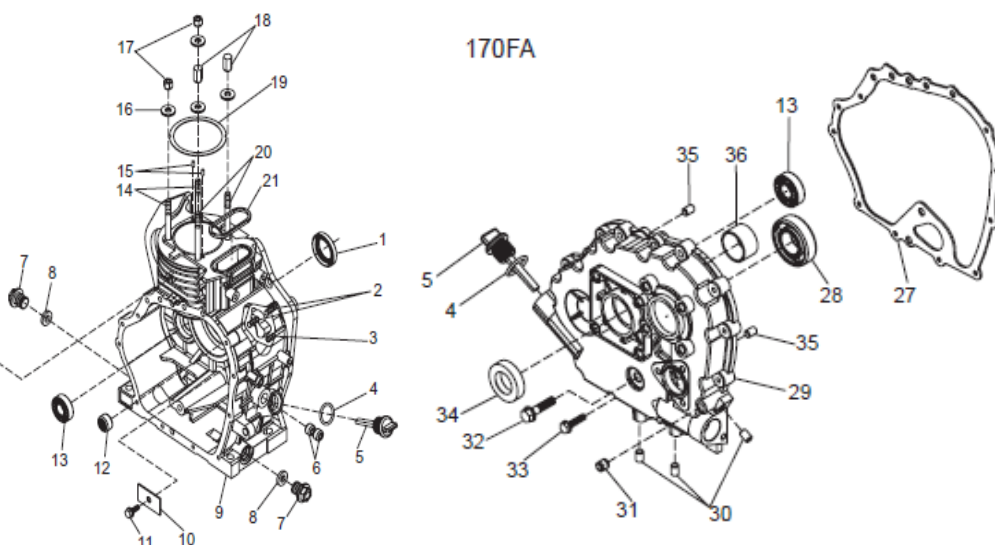
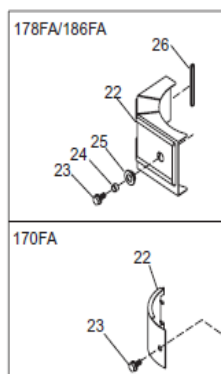
- Albero lungo generatore
- Avviamento Elettico
- Filtro Aria secco

14. 178FA Diesel Engine Assembly



HL 178 FA

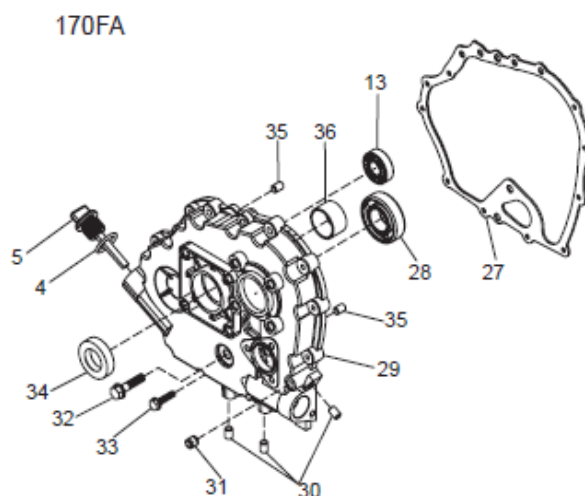
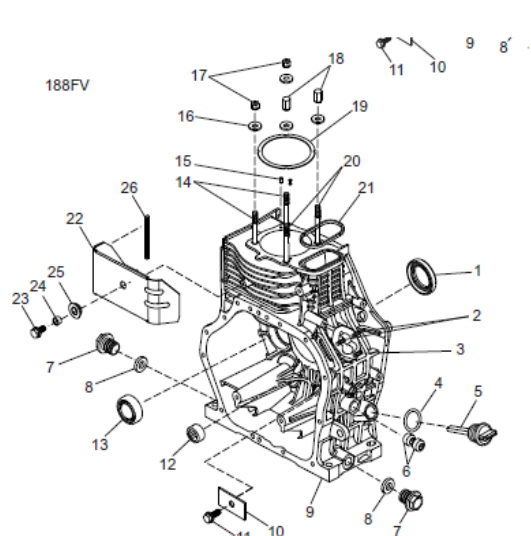
170FA/178FA/186FA/188FV



BLOCCO CILINDRO - CYLINDER BLOCK ASS.

1	CODICE - CODE	DESCRIZIONE - DESCRIPTION	QT
1	HL 9877.1-304508	OIL SEAL 30X50X8	1
2	HL 170F-01011	STUD M 6x24	2
3	HL 170F-01012	STUD M 6x18	1
4	HL 3452.1-190265	O RING 19X2,65	2
5	HL 178F-01002	TAPPO - TUBE OIL FILLER CAP	2
6	HL 290-HKH0810	NEEDLE BEARING 081410	2
7	HL 170F-01017	TAPPO - DRAIN PLUG M16X,5	2
8	HL 170F-01100	OIL PLUG SEAL ASSY	2
9	HL 178FA-01001	BLOCCO CILINDRO - CYLINDER BLOCK	1
10	HL 170F-01009	RETAINER	1
11	HL 5789-08014A2	BOLT M8X14	1
12	HL 290-HK1512	NEEDLE BEARING HK 152112	1
13	HL 276-6202P6	BEARING 6202P6	2
14	HL 178F-01003	CYLINDER HEAD STUD (SHORT)	2
15	HL 119.1-04008	PIN 4 X 8	2
16	HL 178F-01005	FLAT WASHER	4
17	HL 178F-01004	DADO CORTO - CYLINDER HEAD NUT SHORT	2
18	HL 178F-01007	DADO LUNGO - CYLINDER HEAD NUT LONG	2
19	HL 178FA-01013	GUARNIZIONE - CYLINDER HEAD NUT GASKET	1
20	HL 178F-01006	CYLINDER HEAD STUD LONG	2
21	HL 178F-01008	GUARNIZIONE - RECTANGLE RING	1
22	HL 178F-01204	AIR COVER	1
23	HL 5789-06016A2	BOLT M 6X12	1

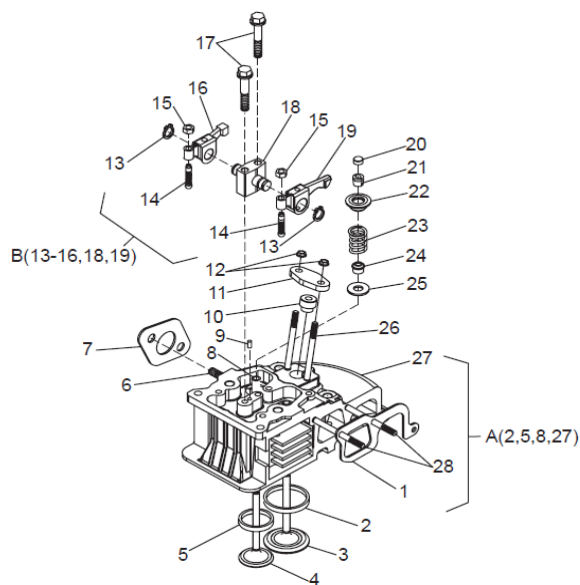
HL 178 FA



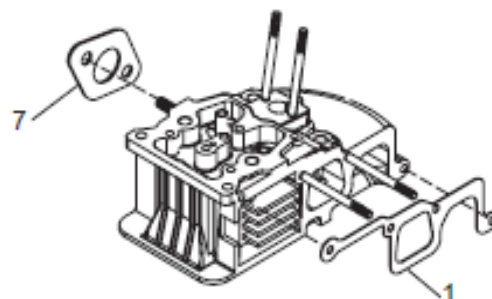
BLOCCO CILINDRO - CYLINDER BLOCK ASS.

2	CODICE - CODE		DESCRIZIONE - DESCRIPTION	QT
24	HL 178F-01202		COLLAR	1
25	HL 178F-01201		CUSHION - RUBBER	1
26	HL 178F-01203		SEAL - RUBBER	1
27	HL 178F-01015		GUARNIZIONE - CRANK CASE GASKET	1
28	HL 276-6206P5		BALL BEARING 6206P5	1
29	HL 178F-01016		COVER - CRANK CASE COVER	1
30	HL 170F-01021		INSERTO - PLUG M8X10 ALLUMINIUM	3
31	HL 170F-01018		INSERTO - PLUG NTP 1/8"	1
31-1	HL 170F-01300B		SENSORE OLIO - OIL PRESSURE SENSOR	1
31-2	HL 170F-01300A		OIL PRESSURE SENSOR	1
32	HL 5789-08033A1		BOLT M 8X33,5	15
33	HL			
34	HL 9877.1-304510		OIL SEAL 30X45X10	1
35	HL 119.1-08012		PIN 8X12	2
36	HL 178F-01014		CUSCINETTO GUIDA - MAIN BEARING	1
37	HL 170F-01310		WASHER RUBBER	1
1-1	HL 9877.1-304508S		SEAL 30X45X8 s	1
29-1	HL 178FS-01016		CRANK CASE COVER	1
34-1	HL 178FS-01022		PLUG 45	1
38	HL 9877.1-304510		SEAL 30X415X10	1

HL 178 FA



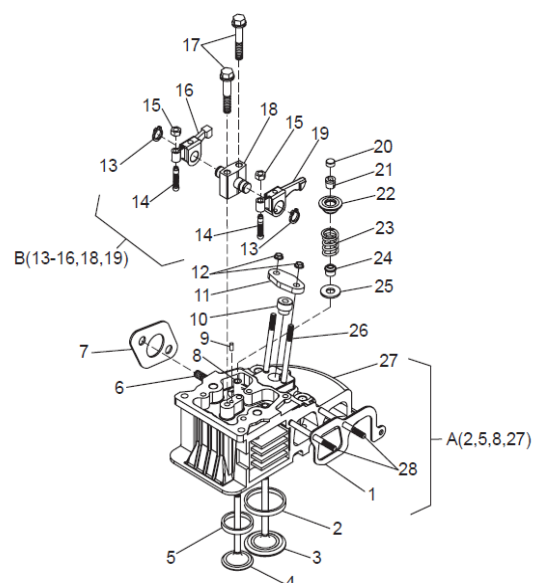
178FA



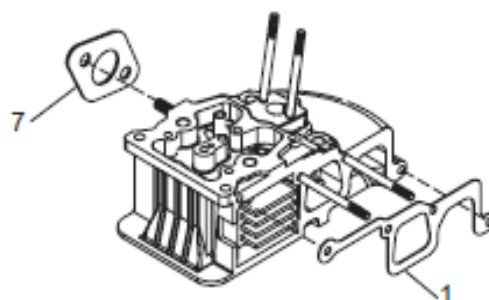
TESTA CILINDRO - CYLINDER HEAD ASSEMBLY

3	CODICE - CODE	DESCRIZIONE - DESCRIPTION	QT
1	HL 178F-02011	GUARNIZIONE - AIR INTAKE GASKET	1
A	HL 178FA-02200	CYLINDER HEAD ASSY	1
2	HL 178F-02203	INTAKE VALVE RETAINER	1
3	HL 178F-02004	VALVOLA ASPIRAZIONE - INTAKE VALVE	1
4	HL 178F-02003	VALVOLA - EXHAUST VALVE	1
5	HL 178F-02204	EXHAUST VALVE RETAINER	1
6	HL 899-08020A2	STUD M8X20	2
7	HL 170F-02012	MUFFLER GASKET	1
8	HL 178F-02201	VALVE GUIDE	2
9	HL 119.1-04008	PIN 4X8	1
10	HL 170FA-02009	SPACER	1
11	HL 170F-02008	NOZZLE RETAINER	1
12	HL 6177.1-06000A2	NUT M6	2
B	HL 170FA-02100	ROCKER ARM ASSY	1
13	HL 894.1-12B	RETAINER RING	2
14	HL 170F-02105	ADJUSTING SCREW	2
15	HL 170F-02107	NUT M6	2
16	HL 170FA-02103	EXHAUST VALVE ROCKER ARM	1
17	HL 170FA-02106	VITI - BOLT M 6X45	2
18	HL 170FA-02102	ROCKER ARM SUPPORT	1
19	HL 170FA-02104	INTAKE VALVE ROCKER ARM	1
20	HL 178F-02013	VALVE ADJUSTING	2

HL 178 FA



178FA

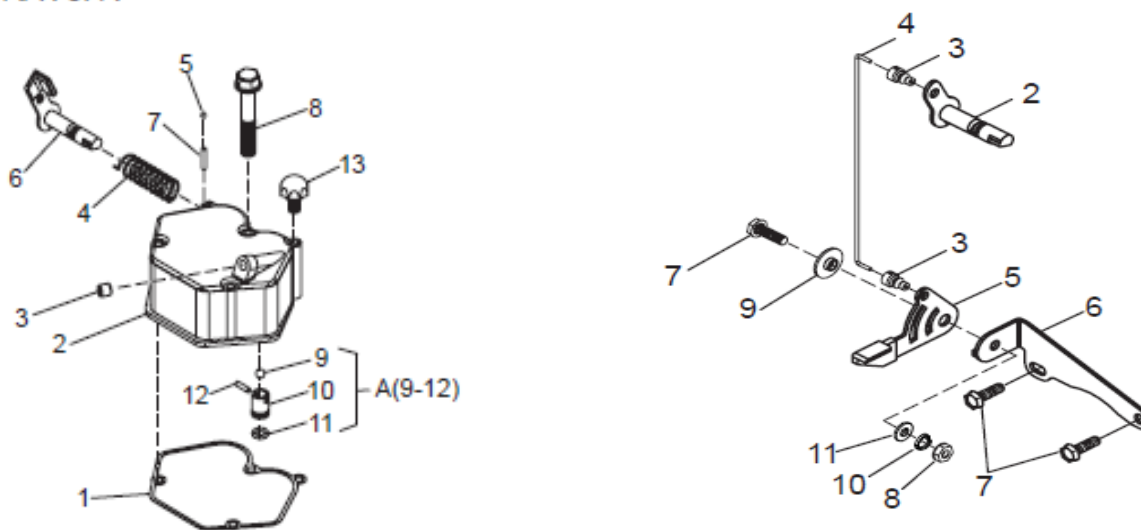


TESTA CILINDRO - CYLINDER HEAD ASSEMBLY

4	CODICE - CODE		DESCRIZIONE - DESCRIPTION	QT
21	HL	178F-02001	INSERTO VALVOLA - VALVE COLLET	2
22	HL	178F-02002	MOLLA VALVOLA RITORNO - VALVE SPRING RETAINER	2
23	HL	178F-02005	MOLLA VALVOLA - VALVE SPRING	2
24	HL	178F-02006	INSERTO VALVOLA - VALVE STEM SEAL	2
25	HL	170F-02007	VALVE SPRING WASHER	2
26	HL	900-06055A2	STUD M6X55	2
27	HL	178FA-02202	TESTA CILINDRO - CYLINDER HEAD	1
28	HL	900-06060A2	STUD M6X20	2

HL 178 FA

170FA/178FA

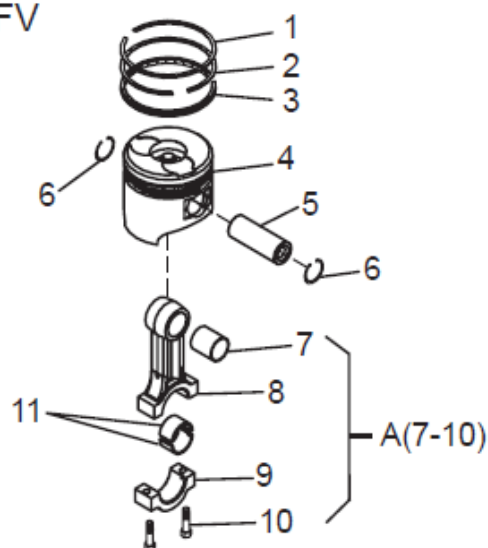


COPERCHIO - CYLINDER HEAD BONNET ASS.

4	CODICE - CODE	DESCRIZIONE - DESCRIPTION	QT
1	HL 170FA-03003	GUARNIZIONE - BONNET GASKET	1
2	HL 170FA-03001	TESTA CILINDRO - CYLINDER HEAD BONNET	1
3	HL 170F-03006	CONNETTORE - PLUG 8X8 ALUMINIUM	1
4	HL 170F-03004A	MOLLA DECOMPRESSIONE - DECOMPRESSION	1
5	HL 308-03175	PALLA D ACCIAIO - 1/8" - STEEL BALL 1/8"	1
6	HL 170F-03100A	LEVA DECOMPRESSIONE - DECOMPRESSION SHAFT ASSY	1
7	HL 119.1-03016	INSERTO - PIN 3X16	1
8	HL 5789-06055A2	BOLT M6X55	3
A	HL 170F-03200A	SFIATO - BREATHER ASSY	1
9	HL 170F-03201A	SFIATO - BREATHER BALL	1
10	HL 170F-03202A	SFIATO - BREATHER SEAT	1
11	HL 3452.1-093150	O RING - O RING 9,3 X 1,5	1
12	HL 170F-03203	SFIATO - BREATHER PIN	1
13	HL 170F-03002	OIL SCREW PLUG	1
W - MODEL			
2	HL 170F-03100W	DECOMPRESSION SHAFT ASSY	1
4	HL 178F-03011W	DECOMPRESSION PULLING STRING	1
5	HL 170F-03009W	DECOMPRESSION HANDLE	1
6	HL 170F-03008W	DECOMPRESSION	1
7	HL 5789-06014A2	BOLT M6X14	3
8	HL 6170-06000A2	NUT M6	1
9	HL 170F-03013W	DECOMPRESSION HANDLE COLLAR	1
10	HL 93-06A	WASHER 6	1
11	HL 97.1-06A	FLAT WASHER 6	1

HL 178 FA

170FA/178FA/186FA/188FV

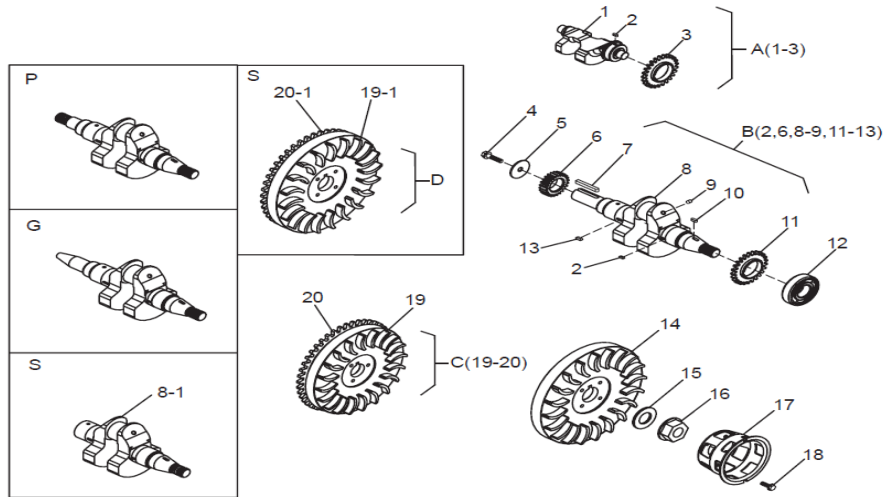


PISTONE E BIELLA - PISTON & ROD

5	CODICE - CODE		DESCRIZIONE - DESCRIPTION	QT
1			FIRST GAS RING	1
2	HL	178F-04100	SECOND GAS RING	1
3			OIL RING SET	1
4	HL	178FA-04003	PISTONE - PISTON	1
5	HL	178F-04004	INSERTO PISTONE - PISTON PIN	1
6	HL	893.1-21B	CIRCLIP 19	2
A	HL	178F-04200	BIELLA - CONNECTING ROD ASSY	1
7	HL	178F-04204	FIRST GAS RING	1
8	HL	178F-04201	SECOND GAS RING	1
9	HL	178F-04202	OIL RING SET	1
10	HL	178F-04203	CONNECTING ROD SCREW	2
11	HL	178F-04005	BRONZINE - CONNECTING ROD BEARING	1
			178 - FS 186 - FS	
4-1	HL	178FS-04003	PISTON	1

HL 178 FA

170FA/178FA/186FA/188FV

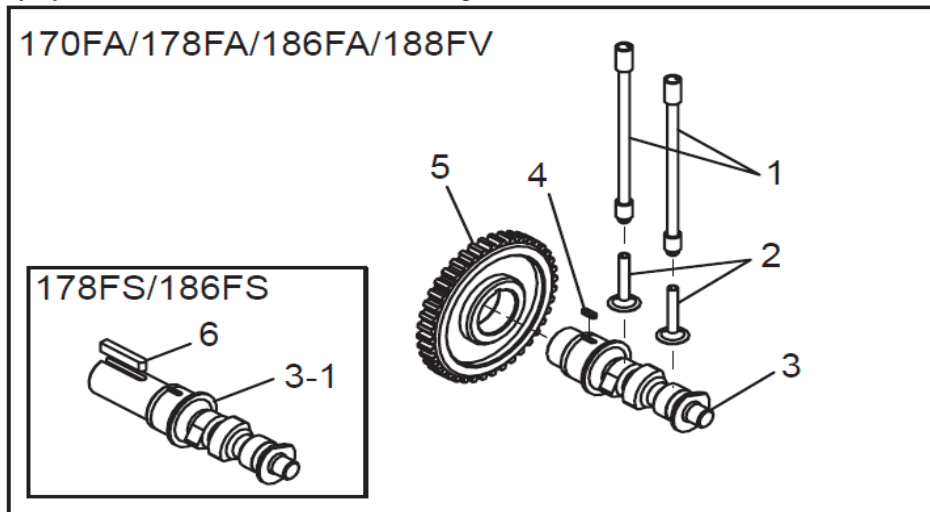


ALBERO E VOLANO - CRANKSHAFT & FLYWHEEL

6	CODICE - CODE	DESCRIZIONE - DESCRIPTION	QT
A	HL 178F-05300	BALANCER SHAFT ASSY	1
1	HL 178F-05301	ALBERO BILANCIAMENTO - BALANCER SHAFT	1
2	HL 170F-05303	CHIAVETTA - KEY 5X7	2
3	HL 178F-05302	INGRANAGGIO BILANCIAMENTO - BALANCER GEAR	1
4	HL 178F-05006	VITE - BOLT	1
5	HL 178F-05005	GUARNIZIONE - WASHER	1
B	HL 178F-05200	CRANKSHAFT ASSY	1
6	HL 178F-05203	INGRANAGGIO - CRANKSHAFT TIMING GEAR	1
7	HL 1096-A06056	KEY 5X45	1
8	HL 178FA-05201	CRANKSHAFT	1
9	HL 308-06350	STEEL BALL 1/4"	1
10	HL 1096-A05012	KEY 5X14	1
11	HL 178F-05004	INGRANAGGIO GUIDA - BALANCER DRIVE GEAR	1
12	HL 276-6307P5	6308P5	1
13	HL 1096-A05012	KEY 5X12	1
14	HL 178F-05101	VOLANO - FLYWHEEL	1
15	HL 170F-05003	GUARNIZIONE VOLANO - FLYWHEEL NUT WASHER	1
16	HL 170F-05002	DADO VOLANO - FLYWHEEL NUT	1
17	HL 178F-05001	TAZZA AVVIAMENTO - STARTER PULLEY	1
18	HL 5789-06012A2	BOLT MX12	3
C	HL 178FE-05100	FLYWHEEL ASSY (ELECTRIC)	1
19	HL 178FE-05101	FLYWHEEL (ELECTRIC)	1
20	HL 178FE-05102	FLYWHEEL GEAR (ELECTRIC)	1
		178 FS 186 FS	
8-1	HL 178FS-05201	CRANKSHAFT	1
D	HL 178FSE-05100	FLYWHEEL ASSY (ELECTRIC)	1
19-1	HL 178FSE-05101	FLYWHEEL (ELECTRIC)	1
20-1	HL 178FSE-05102	FLYWHEEL GEAR (ELECTRIC)	1

HL 178 FA

(6) Camshaft Assembly

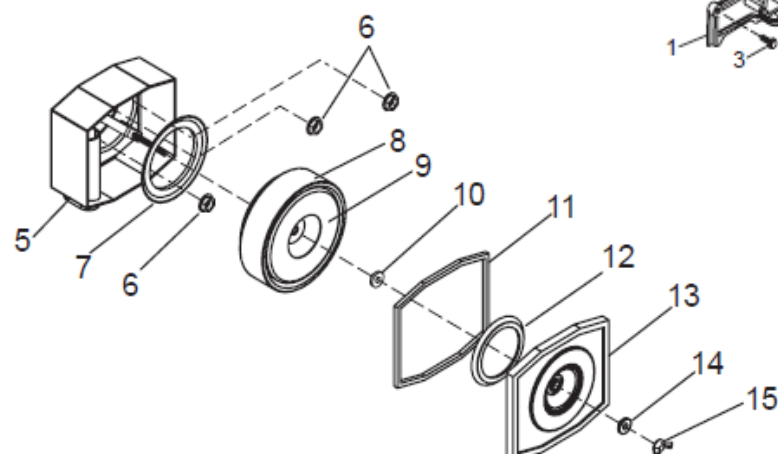


ALBERO - CAMSHAFT ASSEMBLY

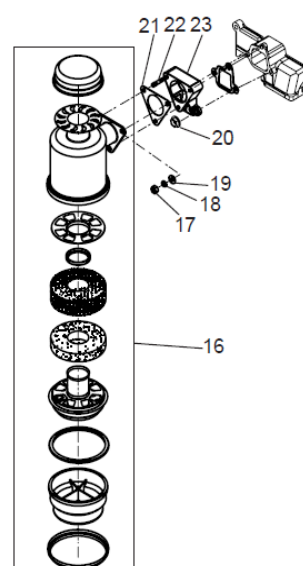
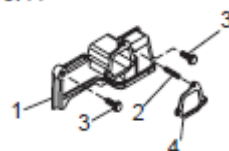
7	CODICE - CODE		DESCRIZIONE - DESCRIPTION	QT
1	HL	178F-06100	VALVOLA - VALVE ROD ASSY	2
2	HL	170F-06003	VALVOLA - VALVE TAPPET	2
3	HL	178FA-06001	ALBERO - CAMSHAFT	1
4	HL	1096-A04012	KEY 4 X 12	1
5	HL	178F-06002	INGRANAGGIO - CAMSHAFT TIMING GEAR	1
			178 FS 186 FS	
6	HL	1096-A08045	KEY 8X45	1
3-1	HL	178FS-06001	CAMSHAFT	1

HL 178 FA

170FA/178FA



178FA

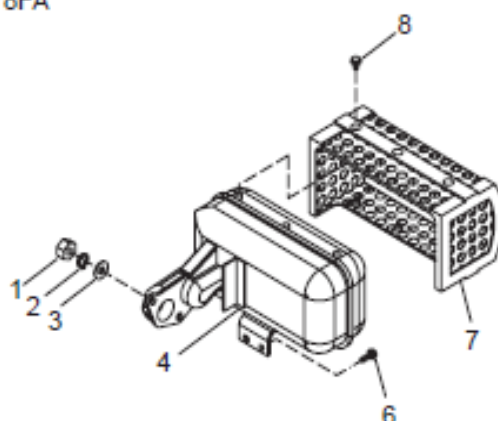


FILTRO ARIA - AIR CLEANER

8	CODICE - CODE	DESCRIZIONE - DESCRIPTION	QT
1	HL 178F-07401	TUBO ASPIRAZIONE - INTAKE PIPE	1
2	HL 170F-07402	AIR CLEANER STUD	1
3	HL 5789-06022A2	BOLT M6X22	2
4	HL 170F-07001	GUARNIZIONE FILTRO - AIR CLEANER GASKET	1
5	HL 170F-07300	AIR CLEANER BODY ASSY	1
5-1	HL 178F-07300D	AIR CLEANER BODY ASSY	1
6	HL 6187.1-06000A2	NUT M6	3
7	HL 170F-07303	SHAKEPROOF SEAL RING II	1
8	HL 170F-07108	PREFILTRO - PREFILTER	1
9	HL 170F-07100	ELEMENTO FILTRO - AIR CLENAER ELEMENT ASSY	1
10	HL 170F-07101	VIBRATION PROOF PAD	1
11	HL 170F-07201	GUARNIZIONE - SEAL RING	1
12	HL 170F-07203	SHAKEPROOF SEAL RING I	1
13	HL 170F-07200	AIR CLEANER COVER ASSY	1
14	HL 170F-07210	SHAKEPROOF SEAL RING ASSY	1
15	HL 62-06000C	FLY NUT M6	1
17	HL 6170-06000A2	NUT M6	3
18	HL 93-06A	WASHER 6	3
19	HL 97.1-06A	FLAT WASHER 6	3
20	HL 6177.1-06000A2	NUT M6	3
21	HL 178FS-07501	OIL BATH AIR CLEANER GASKET	1
22	HL 170F-01012	STUD M 6X18	3
23	HL 178FS-07502	OIL BATH AIR CLEANER SPACER FLANGE	1

HL 178 FA

178FA

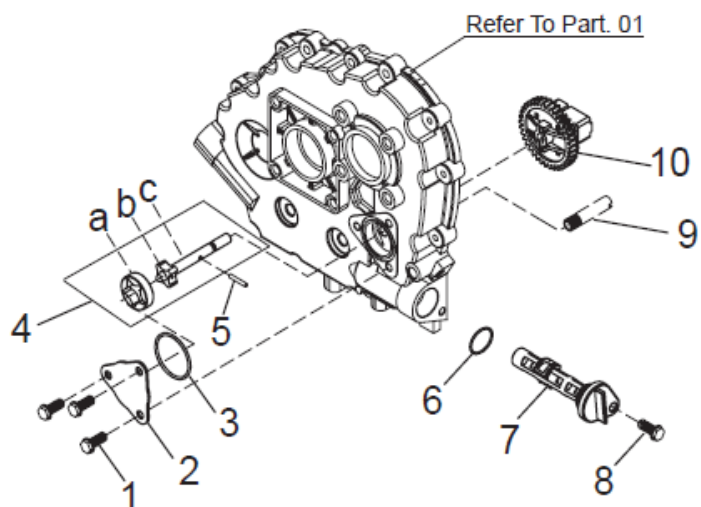


MARMITTA - MUFFLER

9	CODICE - CODE		DESCRIZIONE - DESCRIPTION	QT
1	HL	3170-08000A2	NUT M8	2
2	HL	93-08A	WASHER 8	2
3	HL	97.1-08A	FLAT WASHER 8	2
4	HL	178F-08200	MARMITTA - MUFFLER	1
5	HL			
6	HL	5789-08016A2	BOLT M 6X16	2
7	HL	178F-08100	COVER MARMITTA - SILENCER CASE WELDED ASSEMBLY	1
8	HL	5789-06008A2	BOLT M6X8	6

HL 178 FA

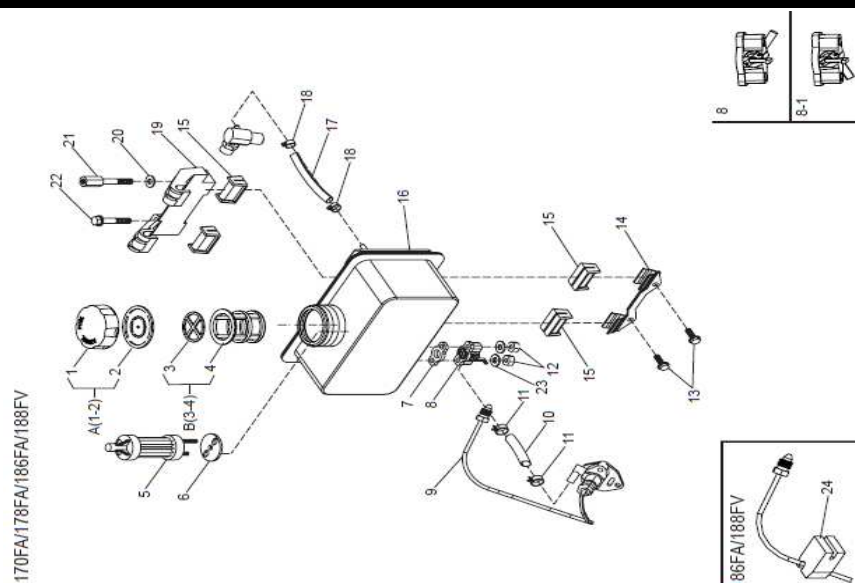
170FA/178FA/186FA/188FV



LUBRIFICATORE - LUBE OIL ASSEMBLY

10	CODICE - CODE		DESCRIZIONE - DESCRIPTION	QT
1	HL	5789-06012A2	BOLT M 6X12	3
2	HL	170F-09001	COVER OLIO - OIL PUMP COVER	1
3	HL	3452.1-345180	O RING 34,5 X 1,8	1
4	HL	170F-09100	LUBRIFICATORE - LUBE OIL PUMP ASSY	1
A	HL	170F-09103	OUTER ROTOR	1
B	HL	170F-09101	INNER ROTOR	1
C	HL	170F-09102	OIL PUMP SHAFT	1
5	HL	GBT119.1-00C	CONNETTORE - PIN 3X16	1
6	HL	3452.1-190265	O RING 19X2.65	1
7	HL	170F-09200	FILTRO LUBRIFICATORE - LUBE OIL FILTER ASSY	1
8	HL	5789-06014A2	BOLT M 6X14	1
9	HL	170F-09003	TUBO LUBRIFICATORE - LUBE OIL PIPE	1
10	HL	178F-09002	INGRANAGGIO LUBRIFICATORE - OIL PUMPS GEAR	1

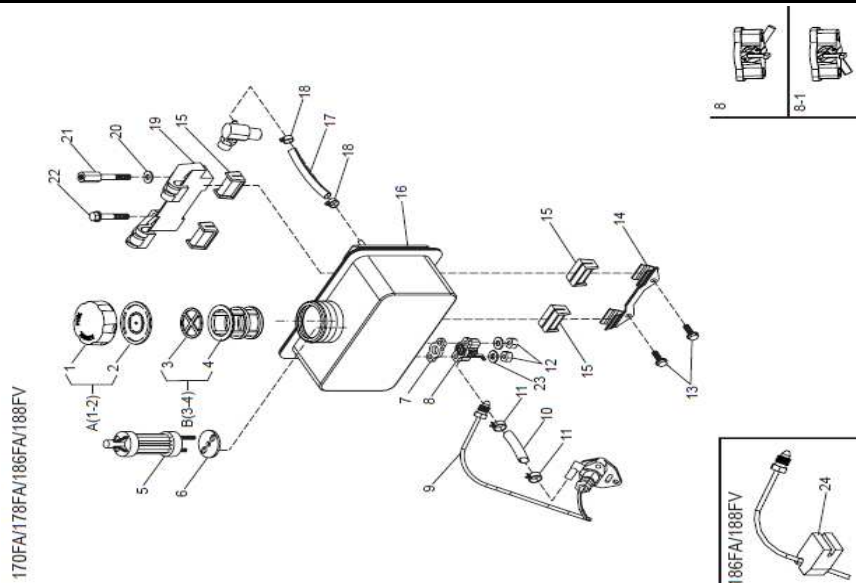
HL 178 FA



SERBATOIO - FUEL TANK & FUEL PIPE ASS.

10	CODICE - CODE		DESCRIZIONE - DESCRIPTION	QT
A	HL	170F-10100P	FUEL TANK CAP ASSY	1
1	HL	170F-10101P	FUEL TANK CAP	1
2	HL	170F-10102P	FUEL TANK CAP GASKET	1
B	HL	170F-10020A	FUEL CAP ASSY	1
3	HL	170F-10022	LIVELLO - FUEL LEVEL MARK	1
4	HL	170F-10021	FILTRO - FILTER CUP	1
5	HL	178F-10300	ELEMENTO FILTRO - FILTER ELEMENT ASSY	1
6	HL	170F-10007	GUARNIZIONE FILTRO - FILTER GASKET	1
7	HL	170F-10405	GUARNIZIONE - FUEL TANK COCK GASKET	1
8	HL	170F-10400	RUBINETTO - FUEL TANK COCK ASSY	1
8-1	HL	170F-10400A	FUEL TANK COCK ASSY	1
9	HL	178FA-10500	FUEL INJECTION PIPE ASSY (for small fuel tank)	1
10	HL	170F-10009	FUEL OIL PIPE	1
11	HL	170F-10011	CLAMP	2
13	HL	5789-06014A2	BOLT M 6X14	2
14	HL	170F-10014	SUPPORTO - LOWER STAY ASSY	1
15	HL	170F-10002	ANTIVIBRANTI - DAMPER	4
16	HL	178F-10200	SERBATOIO - FUEL TANK ASSY	1

HL 178 FA

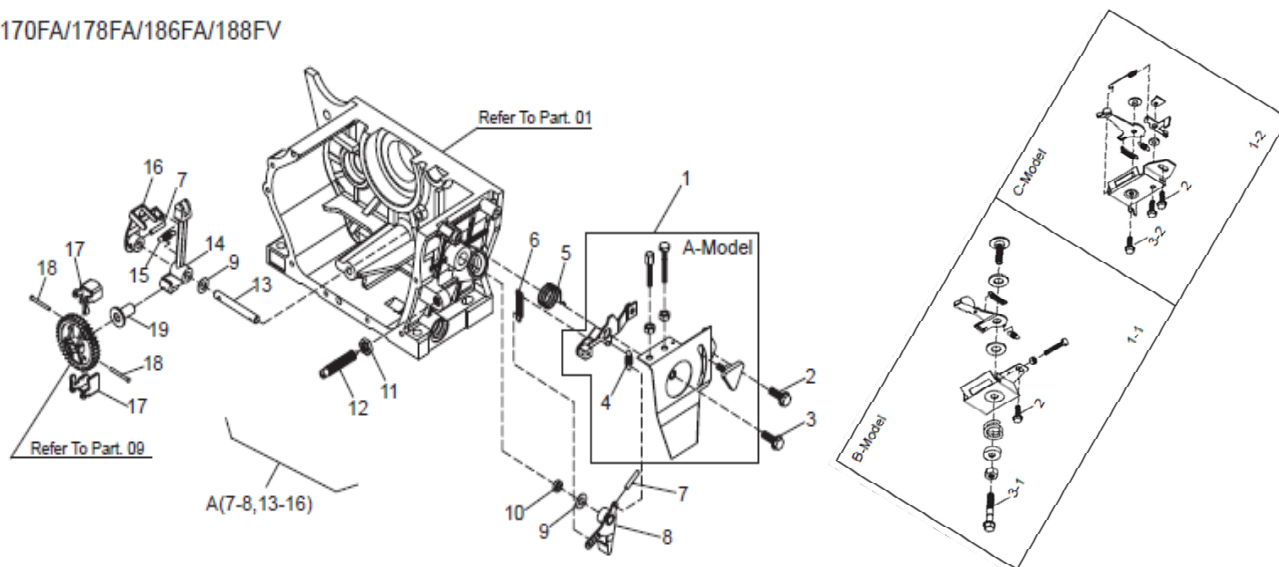


SERBATOIO - FUEL TANK & FUEL PIPE ASS.

11	CODICE - CODE		DESCRIZIONE - DESCRIPTION	QT
17	HL	170F-10012	TUBO RITORNO - FUEL OIL RETURN PIPE	1
18	HL	170F-10013	FASCETTA - CLAMP	2
19	HL	178F-10001	FISSAGGIO SUPERIORE - UPPER STAY	1
20	HL	97.1-08A	FLAT WASHER 8	1
21	HL	170F-10003	LIFTING BOLT	1
22	HL	5789-08045A2	BOLT M 8X45	1
23	HL	97.1-06A	FLAT WASHER 6	2

HL 178 FA

170FA/178FA/186FA/188FV

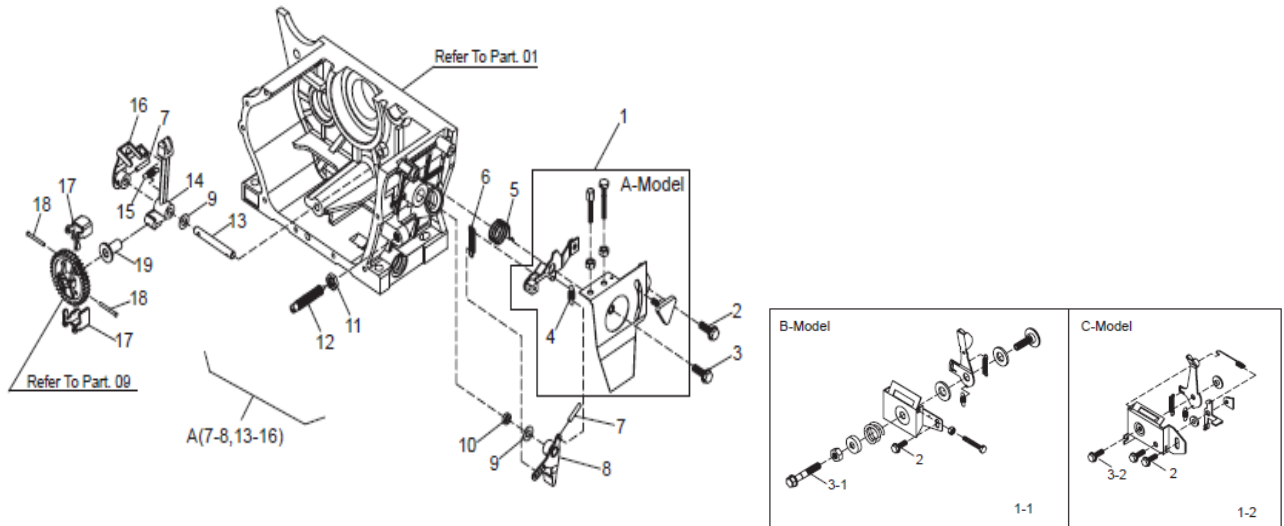


SIST.CONTROLLO - GOVERNOR & CONTROL S.

12	CODICE - CODE	DESCRIZIONE - DESCRIPTION	QT
1	HL 170FA-11300AM	LEVA - HANDLE BRACKET ASSY	1
1-1	HL 170FA-11300BM	LEVA - HANDLE BRACKET ASSY	1
1-2	HL 170FA-11300CM	LEVA - HANDLE BRACKET ASSY	1
2	HL 5789-06014A2	BOLT M 6X14	1
3	HL 5789-06020A2	BOLT M 6X20	1
3-1	HL 5789-06045A2	BOLT M 6X45	1
3-2	HL 5789-06025A2	BOLT M 6X25	1
4	HL 170F-11006	MOLLA RITORNO - RETURN SPRING II	1
5	HL 170F-11005	MOLLA RITORNO - RETURN SPRING I	1
6	HL 170F-11007	GOVERNOR SPRING	1
A	HL 178FA-11100	LEVER FORK ASSY	1
7	HL 170-03012	TAPER PIN 3X12	2
8	HL 170F-11110	LEVER FORK PART	1
9	HL 170F-11003	GUARNIZIONE - LEVER SHAFT WASHER	2
10	HL 170F-11008	PARAOILIO - LEVER SHAFT OIL SEAL	1
11	HL 6173-10125A2	NUT M 10X1,25	1
13	HL 170FA-11102	LEVER SHAFT	1
14	HL 178FA-11101	LEVER FORK	1
15	HL 170FA-11103	MOLLA - SPRING	1

HL 178 FA

170FA/178FA/186FA/188FV

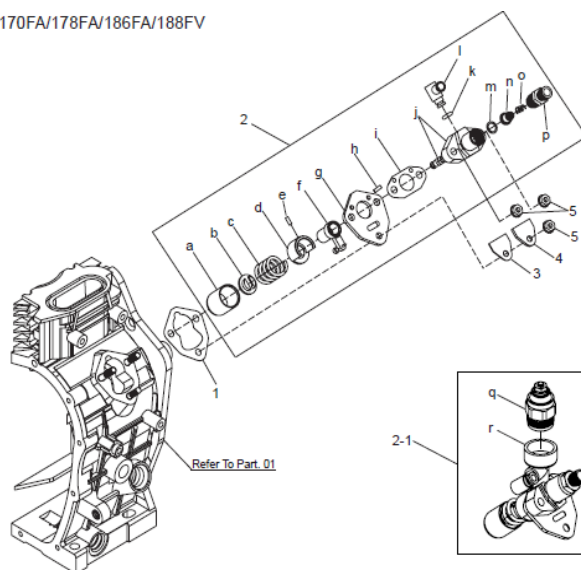


SIST.CONTROLLO - GOVERNOR & CONTROL S.

12	CODICE - CODE		DESCRIZIONE - DESCRIPTION	QT
16	HL	170FA-11120	BALANCER	1
17	HL	170F-11001	BILANCIATORE - GOVERNOR WEIGHT	2
18	HL	170F-11002	PIN	2
19	HL	170FA-11004	TAPPET SPEED REGULATOR	1

HL 178 FA

170FA/178FA/186FA/188FV

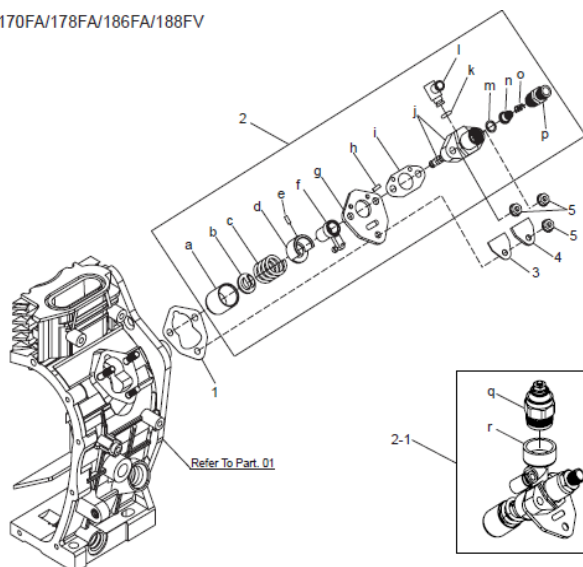


POMPA INIEZIONE - FUEL INJECTION PUMP A.

13	CODICE - CODE		DESCRIZIONE - DESCRIPTION	QT
1	HL	170F-12001	GUARNIZIONE - SHIM SET	1-3
2	HL	178F-12000	POMPA INIEZIONE - FUEL INJECTION PUMP ASSY (Motor)	1
2-1	HL	178F-12000D	FUEL INJECTION PUMP ASSY (Generator)	1
A	HL	170F-12300	TAPPET	1
B	HL	170F-12009	SPRING SEAT	1
C	HL	170F-12008	PLUG SPRING	1
D	HL	170F-12007	SPRING SUPPORTING MASS	1
E	HL	879.1-03008	SPRING PIN 3X8	1
F	HL	170F-12006	FUEL CONTROL LEVER ASSY	1
G	HL	170F-12005	CONNECTING BOARD	1
H	HL	879.1-02006	SPRING PIN 2X6	2
I	HL	170F-12004	GASKET	0-1
J	HL	178F-12200	FUEL OIL PUMP BODY & PLUGGER ASSY	1
K	HL	3452.1-057150	O RING 5,7 X 1,5	1
L	HL	170F-12400	IN-LINE JOINT ASSY	1
M	HL	170F-12011	DELIVERY VALVE SEAT GASKET	1
O	HL	170-F-12012	DELIVERY VALVE SPRING	1
P	HL	170F-12013	DELIVERY VALVE HOLDER	1
Q	HL	170F-12500	VALVOLA ELETTR. - ELECTROMAGNETIC VALVE	1

HL 178 FA

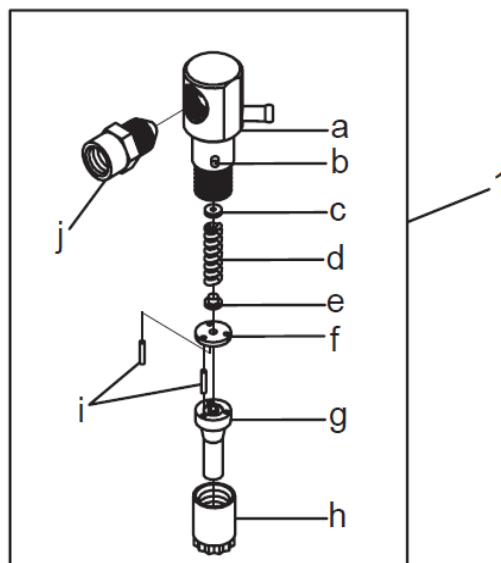
170FA/178FA/186FA/188FV



POMPA INIEZIONE - FUEL INJECTION PUMP A.

13	CODICE - CODE	DESCRIZIONE - DESCRIPTION	QT
R	HL 170F-12601D	SOLENOID VALVE SEAT	1
3	HL 170F-12003	GUARNIZIONE - SEAL GASKET	1
4	HL 170F-12002	GUARNIZIONE - SEAL PLATE	1
5	HL 6177.1-06000A2	NUT M6	3

HL 178 FA

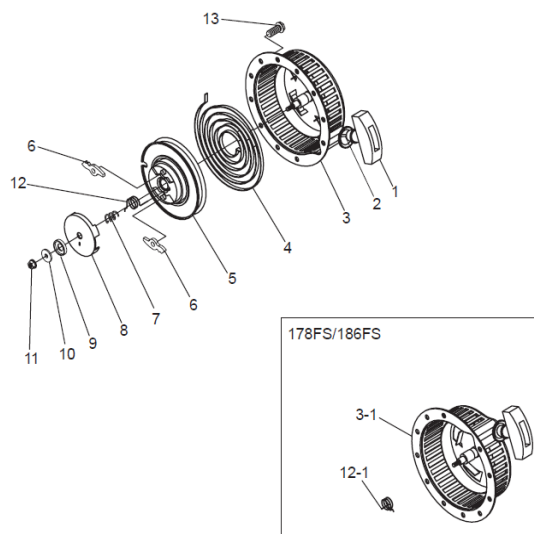


INIETTORE - FUEL NOZZLE ASSEMBLY

14	CODICE - CODE	DESCRIZIONE - DESCRIPTION	QT
1	HL 178FA-13000	INIETTORE - FUEL NOZZLE ASSY	1
A	HL 170FA-13200	FUEL NOZZLE HOLDER ASSY	1
B	HL 879.1-03005	SPRING PIN 3X5	1
C	HL 170FA-13007	PRESSURE REGULATION SHIM	1-3
D	HL 170FA-13006	NOZZLE SPRING	1
E	HL 170FA-13005	SPRING SEAT	1
F	HL 170FA-13003	VALVE SPACER	1
G	HL 178FA-13100	POLVERIZZATORE - NOZZLE VALVE	1
H	HL 170FA-13002	NOZZLE NUT	1
I	HL 170FA-13004	PIN	2
J	HL 170F-13300	FILTER ASSY	1

HL 178 FA

170FA/178FA/186FA/188FV

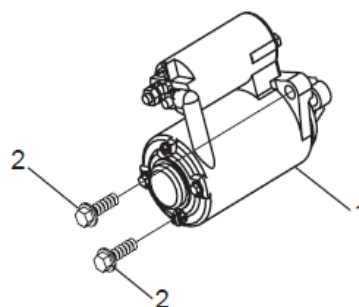
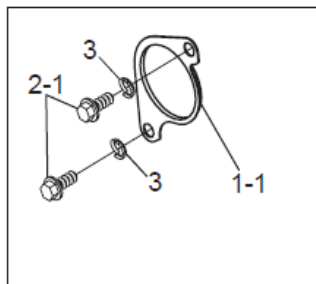


AUTOAVVOLGENTE - RECOIL STARTER ASSEMBLY

15	CODICE - CODE		DESCRIZIONE - DESCRIPTION	QT
1	HL	178F-14007	STARTER HANDEL	1
2	HL	178F-14005	STARTER ROPE	1
3	HL	178F-14100	CASE ASSY	1
4	HL	178F-14006	SPIRAL SPRING	1
5	HL	178F-14001	REEL	1
6	HL	178F-14008	STARTING CLAW	2
7	HL	178F-14009	FRICTION SPRING	1
8	HL	178F-14004	GUIDE OF STARTING CLAW	11
9	HL	178F-14002	FRICTION PLATE	1
10	HL	178F-14003	WASHER	1
11	HL	6187.1-06000A2	NUT M6	1
12	HL	178F-14011	RETURN SPRING	1
13	HL	5789-06008A2	BOLT M 6X8	4
14	HL	HL 178F-14000	AUTOAVVOLGENTE - RECOIL STARTER COMPLETE	1
			178 FS 186 FS	
3-1	HL	178FS-14100	CASE ASSY	1

HL 178 FA

170FA/178FA/186FA/188FV

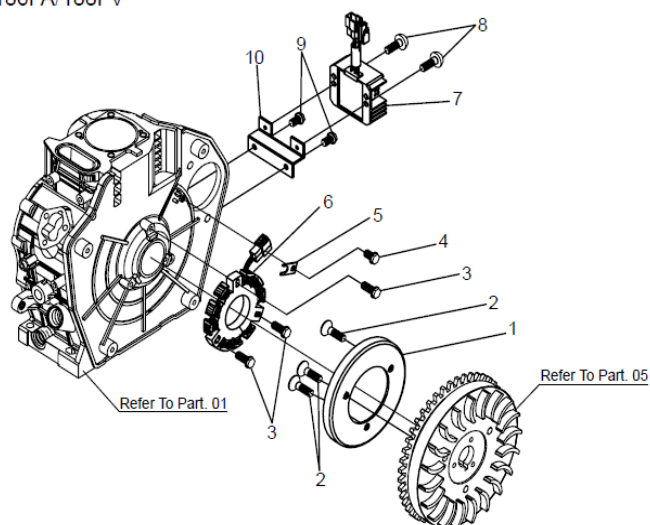


MOTORINO AVV.EL. - STARTER ASSEMBLY

16	CODICE - CODE		DESCRIZIONE - DESCRIPTION	QT
1	HL	170FE-15100A	STARTER MOTOR ASSY (0,80 KW)	1
	HL	170F-15100B	MOTORINO AVV.EL. - STARTER MOTOR ASSY (0,90 KW)	1
1-1	HL	170F-15200	COPRIFORO - COVER OF STARTING MOTOR HOLE	1
2	HL	5789-10030A2	BOLT M 10X30	2
2-1	HL	5783-10020A2	BOLT M 10X20	2
3	HL	93-10A	WASHER 10	2
4	HL	170FE-15000	STARTING MOTOR ASSY COMPLETE	1

HL 178 FA

170FA/178FA/186FA/188FV

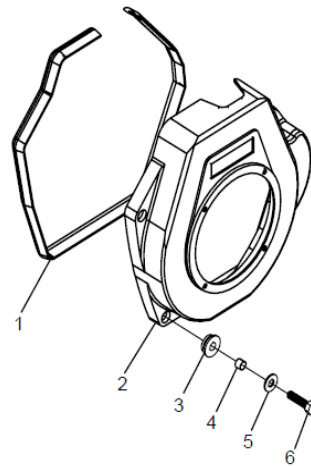


DINAMO - DYNAMO ASSEMBLY

17	CODICE - CODE	DESCRIZIONE - DESCRIPTION	QT
1	HL 170F-16100	ROTOR PARTS OF THE DINAMO	1
2	HL 819.1-06014A3	SCREW PART M 6X14	3
3	HL 5789-06020A2	BOLT M 6X20	3
4	HL 5783-06012A2	BOLT M 6X12	1
5	HL 170F-16001	FERMO - CORD CLAMP	1
6	HL 170F-16200	STATOR PARTS OF THE DINAMO	1
7	HL 170F-16400A	REGUALTOR	1
	HL 170F-16400B	REGUALTOR	1
8	HL 823-06012A3	SCREW M 6X12	2
9	HL 5789-06014A2	BOLT M 6X14	2
10	HL 170F-16301	SUPPORTO REGOLATORE - REGULATED RECTIFIER STAY	1

HL 178 FA

170FA/178FA/186FA/188FV



CONVOGLIATORE - COOLING DEVICE ASSEMBLY

18	CODICE - CODE	DESCRIZIONE - DESCRIPTION	QT
1	HL 178F-17003	GUARNIZIONE - FAN CASE SEAL	1
2	HL 178F-17100	COVER - FAN CASE ASSY	1
2-1	HL 178F-17100D	FAN CASE ASSY	1
3	HL 170F-17002	CUSCHION RUBBER	4
4	HL 170F-17001	COLLAR	4
5	HL 96.1-06A	FLAT WASHER 6	4
6	HL 5783-06022A2	BOLT M 6X22	4
		178 FS 186 FS	
2	HL 178FS - 17100	FAN CASE ASSY	1

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