



COSTRUZIONI
MECCANICHE E
APPLICAZIONI
TECNOLOGICHE

Trimming machine for green and dry trees

YEAR 2015



- USER MANUAL
- SPARE PARTS

-UPDATING
18/05/2015 - A.06

CE

FLHD900

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PREMISE

The company B.M.V. S.n.c. first of all would like to thank you for the happy choice made in buying a machine of his own production, ensuring that has put the best of himself to make it more and more up-to-date and functional every day.

- This manual contains the indications for the maintenance and regular use of the machine to avoid situations which might damage the machine and its functions.
- While the manufacturer is willing to place its technical assistance at your disposal at any time, it cannot be held responsible for problems deriving from failure to observe the indications given in this booklet.
- This machine has been built to perform agricultural operations. Should the owner use it for other purposes he will be held responsible for the results. Any use other than that for which the machine was originally intended is to be considered improper.
- In the event of failure the machine must be repaired by qualified operators with extensive knowledge of the safety conditions so that the safety standards and regulations governing technical safety, circulation in traffic and working safety are respected.
- Upon receipt of the machine check that the equipment has not been damaged during transportation and that all accessories are included. Complaints will only be accepted if made within *eight days* of delivery.

CONFORMITY DECLARATION CE
according to 2006/42/EU directives
and following modifications.

The constructor:



S.n.c.

Regione Rondò – Strada Forcellini, 5 12051 ALBA (CN)

Declares that the machine described down here:

Type :

N° :

Construction year:

**PRUNING MACHINE FOR
GREEN AND DRY TREES**

It corresponds to the essential requirements of safety and wealth guardianship according to 2006/42/EU directives, together with its following modifications.

In order to verify all these requirements, we have consulted the following harmonized rules: EN 294

Safety person in charge :

Borio p.i. Valerio

Alba (CN) date :

SAFETY MEASURES

THE FOLLOWING SAFETY MEASURES WILL ENSURE YOUR SAFETY: IT IS NECESSARY TO READ THEM CAREFULLY, MEMORISE THEM AND APPLY THEM AT ALL TIMES.

Use the machine, carry out regular checks and maintenance in accordance with what provided for by current safety standards.

This symbol together with the words indicated below:



**DANGER
ATTENTION
WARNING**

is used in this manual to call your attention to the safety and correct operation of the machine. It is necessary to observe all the rules given.

The cutter machine has been created exclusively for the pruning of green and dry orchards.

B.M.V. cannot be held responsible for any damaged caused by using the machine in incorrect or unsuitable conditions.

The machine must only be used by authorised, specially trained operators with extensive knowledge of its functions and inherent dangers. All the instructions given herewith must be carefully observed.

Any alterations to the tool or removal of the safety guards are strictly forbidden.

GENERAL SAFETY STANDARDS



**THE MAJORITY OF WORKING ACCIDENTS
ARE DUE TO FAILURE TO OBSERVE THE
MOST ELEMENTARY SAFETY STANDARDS.**



- ◇ **Fundamental rule: always check the tool and the tractor before use.**
- ◇ **Observe all general safety and accident-prevention standards as well as the warnings given in this manual.**
- ◇ **The signs applied to the machine provide a series of important indications: your safety depends on their observance.**
- ◇ **When circulating in public traffic, follow the Highway Code.**
- ◇ **Before starting to use the machine it is necessary to familiarise with all the devices, controls and functions.**
- ◇ **Avoid wearing loose clothing.**
- ◇ **Before starting up the pruning machine, ensure that there are no people, animals or objects within its operating range.**
- ◇ **Do not climb onto the machine.**
- ◇ **When taking bends allow for the straddle.**
- ◇ **Only start up the tool when all the safety devices are applied and are correctly positioned.**
- ◇ **Before descending from the tractor engage the parking brake, switch off the engine and remove the key from the ignition. Then release the pressure from the system using a piston control lever, remembering that the rotating blades continue their turning for inertia still some seconds.**
- ◇ **If during the cutting a danger situation happens, it is necessary to immediately push the emergency button, remembering that the rotating blades continue their turning for inertia still some seconds.**
- ◇ **Remove the cutter guards just before starting work. Only carry out this operation with the engine off; when work is over replace the guards immediately following the same procedure.**
- ◇ **No one must approach the pruning machine when the cutters are rotating.**

MODEL IDENTIFICATION

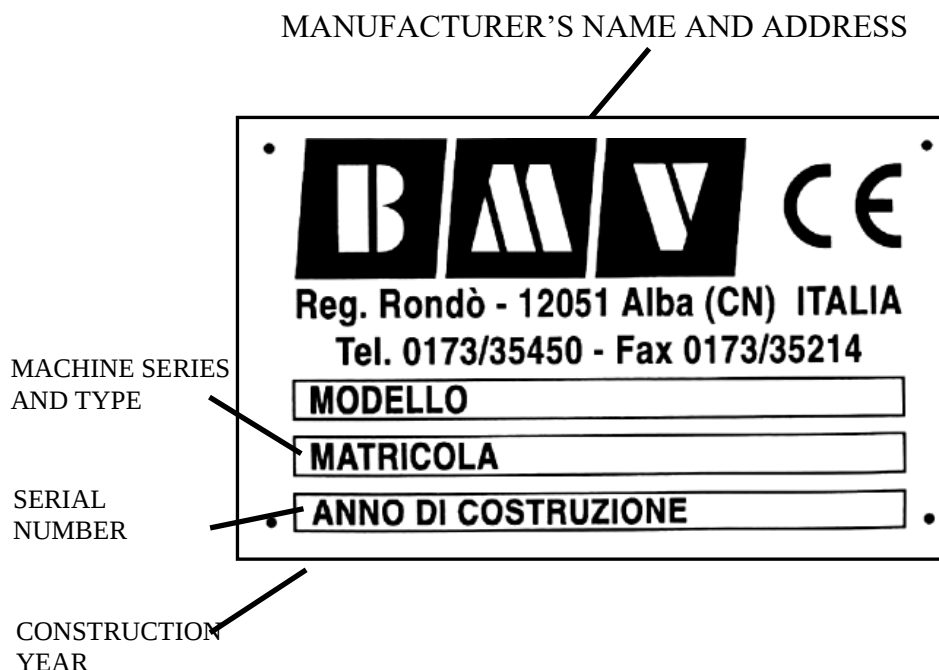
The mark and a plate bearing the manufacturer's details, the model and the serial number, as well as the year in which the machine was manufactured, are attached to the chassis of every machine.

(Drawing 01)

Upon receipt of the machine, check the marking on it.

The EU declaration is made in compliance with EEC directive 2006/42 and subsequent amendments.

Fig. 01



SAFETY SIGNS

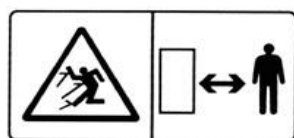
The machine is equipped with ranger signs (adhesive labels):



DANGER! DUE TO THE PRESENCE OF ROTATING PARTS.



ATTENTION! OPERATION WITHOUT SAFETY GUARDS IS FORBIDDEN.



DANGER! CAUSED BY FLYING OBJECTS. KEEP OUT OF THE DANGER AREA.



DANGER! WE RECOMMEND THAT YOU READ THE INSTRUCTION BOOKLET CAREFULLY BEFORE STARTING THE MACHINE AND BEFORE CARRYING OUT REPAIRS OR ADJUSTMENTS.



IT IS COMPULSORY TO PROTECT THE EYES



EAR-DEFENCERS MUST BE WORN

MAIN INSTRUCTION FOR USE

TRIMMING MACHINE

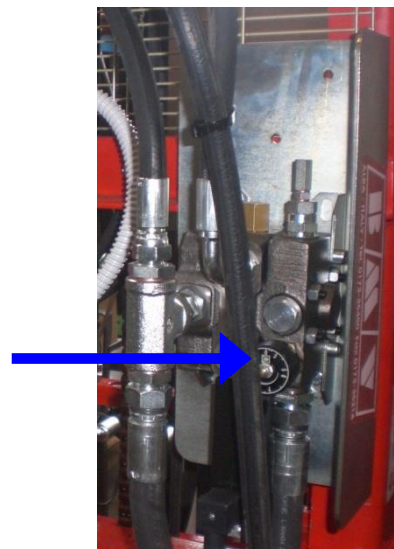
With electrohydraulic distributor:

Before using **DISCS** the regulation knob of the distributor on the right (*BELOW PHOTO*) must be **completely open**.

For the use of **KNIVES** instead, it should be kept open for $\frac{3}{4}$ of tour only.

The distributor on the left activates the pistons and it is feeded by the oil taken from the intakes of the tractor itself (**rubbers with red and blue cap**).

The indicated knob is useful for regulating the speed of movements



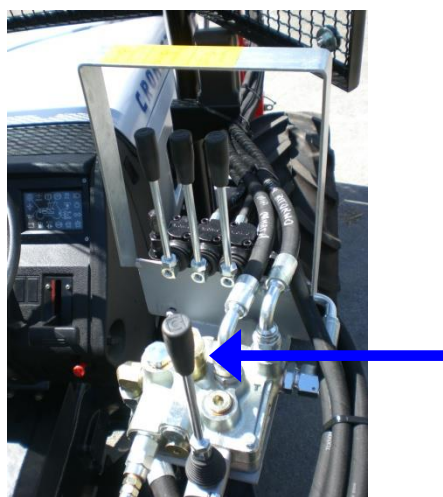
With mechanic distributor:

Before using **DISCS** the regulation knob of the distributor with 1 lever (*BELOW PHOTO*) must be **completely open**.

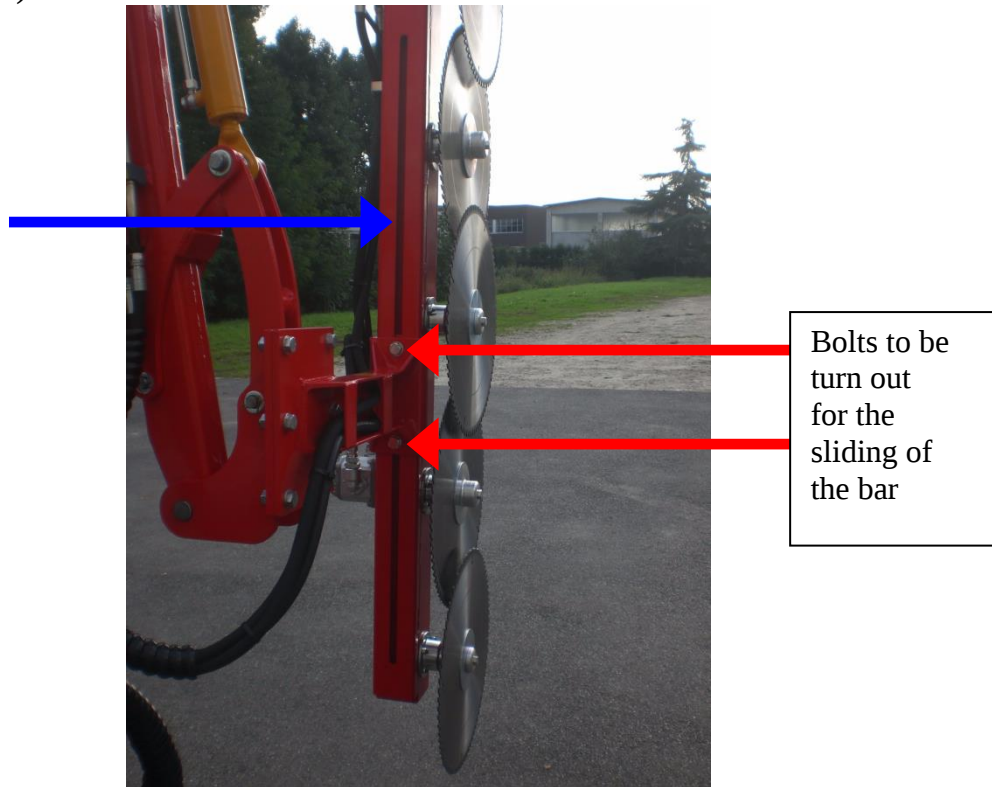
For the use of **KNIVES** instead, it should be kept open for **1 tour** only.

The knives and discs rotation must be always in **COUNTERCLOCKWISE sense**.

The distributor up ahead activates the pistons and it is feeded by the oil taken from the intakes of the tractor itself (**rubbers with red and blue cap**).



It is possible to vary mechanically the position of the cutting bar by turning the 2 bolts out and letting the bar sliding through the hole .
(*BELOW PHOTO*).



The replacement operation *disc-knife* or *knife-disc* is very easy and it takes only few minutes:

Ex. Replacement knife-disc (SEE THE SEQUENCE DOWN HERE).

A) UNSCREW THE BOLT IN CLOCKWISE AND TAKE THE ALLUMINIUM CLOSING WASHER OFF.



B) WITH A SCREWDRIVER TAKE THE SAFETY RADIAL RING OFF AND PULL THE KNIFE OUT



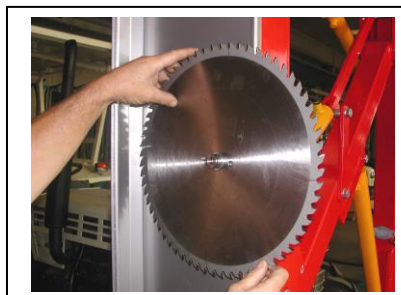
C) TAKE THE ALLUMINIUM SPACERS OFF



D) PUT THE IRON PLATE ON



E) INSERT THE SAW DISC



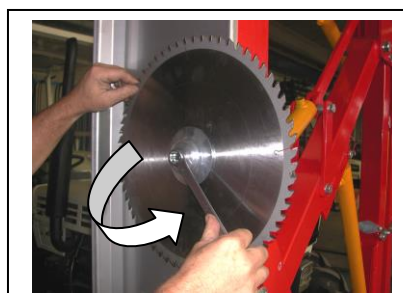
F) PUT THE CLAMPING PLATE ON



G) PUT THE SAFETY RADIAL RING ON AGAIN WITH THE HELP OF PLIERS

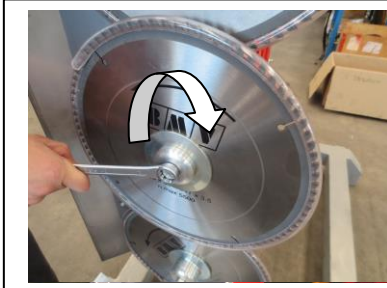


H) PUT THE ALLUMINIUM CLAMPING WASHER AGAIN AND SCREW THE BOLT IN COUNTERCLOCKWISE.



2) Replacement disc-knife (SEE THE SEQUENCE DOWN HERE).

A) UNSCREW THE BOLT IN CLOCKWISE AND TAKE THE IRON DISC OFF



B) WITH A SCREWDRIVER TAKE THE SAFETY RADIAL RING OFF AND PULL THE KNIFE OUT



C) PULL THE IRON DISC OUT



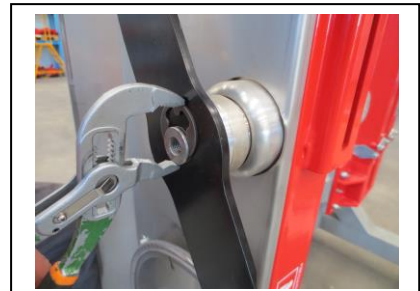
D) PUT ONE OR TWO ALLUMINIUM SPACERS ACCORDING TO THE KNIFE



E) INSERT THE KNIFE



F) PUT THE SAFETY RADIAL RING ON AGAIN WITH THE HELP OF PLIERS



G) PUT THE ALLUMINIUM CLOSING WASHER



H) SCREW THE BOLT IN COUNTERCLOCKWISE



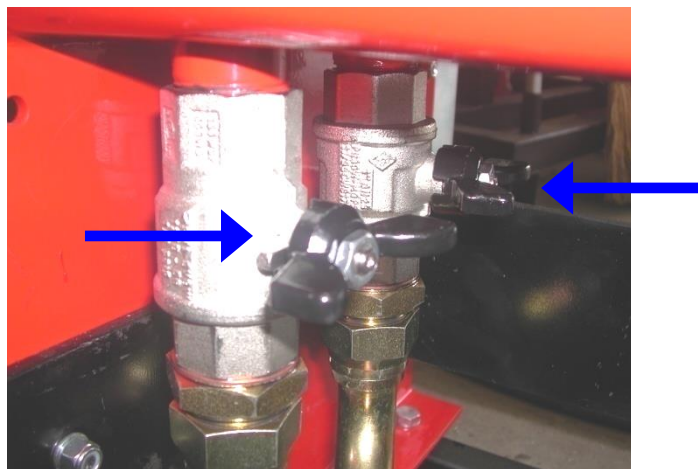
TRACTOR

The power take off (P.T.O.) must be put at **540 t/min.**

During the using of machine, maintain the tractor conditions at **1500-1600 t/min.**

INDIPENDENT HYDRAULIC UNIT

Before driving the P.T.O., check that the 2 suction cocks are both open (*THE BELOW PHOTO SHOWS BOTH THE COCKS CLOSED*)

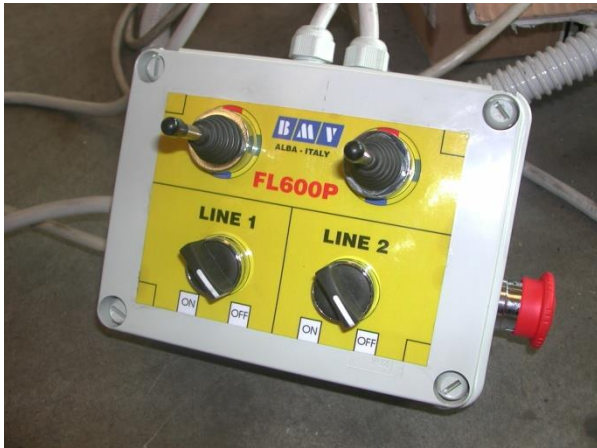


On the radiator there is a 10 AMPER safety fuse.

IMPORTANT

- 1. Filter the hydraulic oil, even if taken from new sealed containers, with a filter of 10 micron before introducing it inside the tank.**
- 2. Replace the filter cartridge after the first 50 hours of working and, subsequently, after 250 hours of functioning, or after one year (however at least once per year)**
- 3. When the machine is new, please execute the testing that is: let the machine running for 20-30 minutes not under stress, at low turns, and if it's possible, without discs or knives.**

CONTROL BOX



Each of the two higher levers control the two hydraulic movements.

The two switches drive the engine lines:

- *LINE 1 = DRIVING 1 OR 2 MOTORS IN SERIES*
- *LINE 2 = DRIVING A 3rd MOTOR (IF PRESENT)*

The red button on the right, if pushed, takes any current off in case of emergency; in order to start it up again, turn it in counterclockwise sense.

Inside the control box there is a 10 AMPER safety fuse: in order to substitute it because burnt, unscrew the 4 screws on the corners.

It is recommended to connect the 12 VOLT feeding wire directly to the tractor battery in order to have the maximum available tension.

ATTENTION

**TO HAVE A GOOD WORKING
of the electric plant, you are
completely obliged to connect:**

- + with Brown wire**
- with Blue wire**

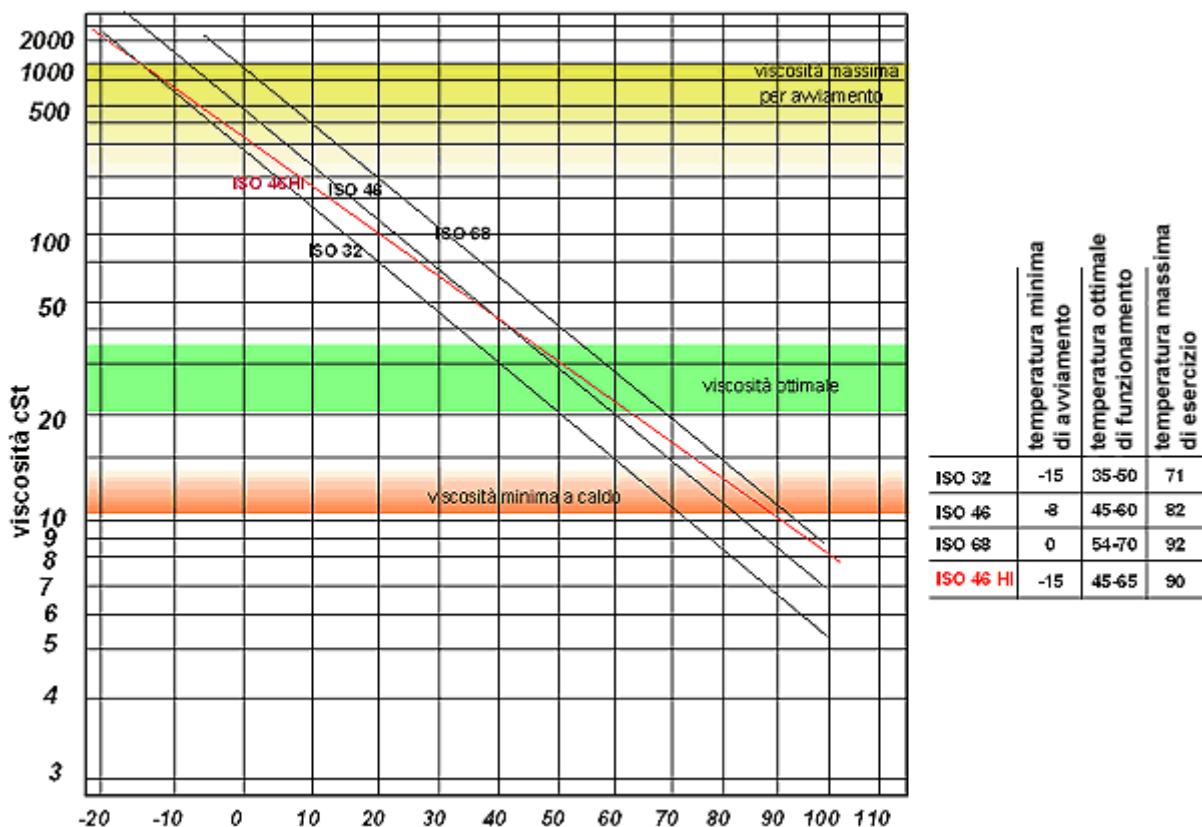
If the connection is wrong, it does not work and the electric installation can be damaged.

HYDRAULIC OIL (SUGGESTED TYPE “ISO 46”):

Figure 2 – Designation of lubricant viscosity, according to rule I.S.O. 3448

GRADAZIONI ISO	Gradaz. ISO	Viscosità cinematica cSt @ 40°C			viscosità media °E/50°C (I.V.=95)
		valore minimo	valore max.	valore medio	
	VG 2	1,98	2,42	2,2	1,10
	VG 3	2,88	3,52	3,2	1,17
	VG 5	4,14	5,06	4,6	1,29
	VG 7	6,12	7,48	6,8	1,40
	VG 10	9	11	10	1,60
	VG 15	13,5	16,5	15	1,90
	VG 22	19,8	24,2	22	2,30
gradazioni usate per gli oli idraulici	VG 32	28,8	35,2	32	3
	VG 46	41,4	50,6	46	4
	VG 68	61,2	74,8	68	5,7
	VG 100	90	110	100	8
	VG 150	135	165	150	12
	VG 220	198	242	220	16,5
	VG 320	288	352	320	24
	VG 460	414	506	460	32
	VG 680	612	748	680	45
	VG 1000	900	1100	1000	66
	VG 1500	1500	1350	1650	100

Figure 3 – Table of temperature /viscosity of using



TECHNICAL DATAS

PISTONS TECHNICAL FEATURES

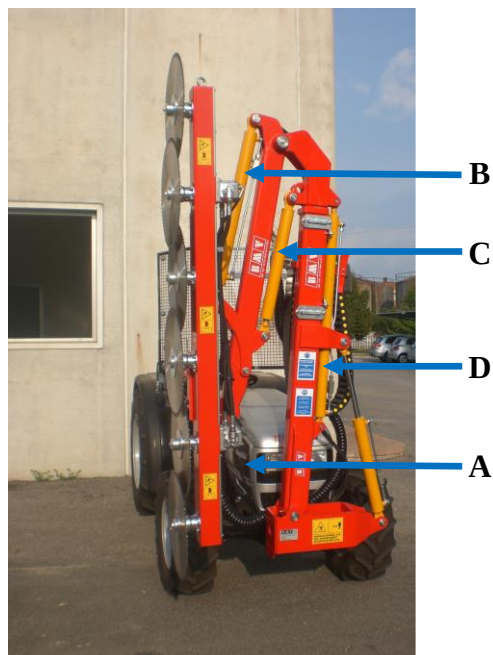
MAXIMUM PRESSURE 80/100 BAR

A)PISTON RUNNING 450
BORE 60 mm-SHAFT ϕ 30 mm

B)PISTON RUNNING 700
BORE 60 mm-SHAFT ϕ 30 mm

C)PISTON RUNNING 560
BORE 60 mm-SHAFT ϕ 30 mm

D)PISTON RUNNING 1000
BORE 50 mm-SHAFT ϕ 30 mm



MOTOR TECHNICAL FEATURES

TYPE	MARZOCCHI with gear ALM2-R-22-E1
CUBIC CAPACITY	16 cm ³ /g
MAXIMUM RUNNING POWER	100 BAR
MOTOR SPEED WITH DISCS	Max 3500 t/min
MOTOR SPEED WITH KNIVES	Max 2200-2300 t/min

DISTRIBUTORS FEATURES	
DISTRIBUTORS FOR MOTORS OPERATION	<u>For electric version</u> "DINOIL" type BONDOLI & PAVESI group D06D651VGNZ160002 DNC65/1 GZ (160) Terv EE3R ELETTR. DIR. 12V PT - SOLENOIDI ITALMAGNETI
	<u>For mechanic version</u> "BLB" type BFV 701/1 RFS GKC/M0D9/
DISTRIBUTOR FOR PISTONS OPERATION	<u>For electric version</u> "MOVECO" type W.511/8 C.I. C/N.4 ELETTROV.+VM+VP X FL600
	<u>For mechanic version</u> "DINOIL" type DO6DE4BACDZ180051 ML4 GZ A1X4 PP1TT1T4

INDIPENDENT HYDRAULIC UNIT – TECHNICAL FEATURES		
TANK	"BMV" tuye Capacity 80 lt	HYDRAULIC OIL ISO 46
OVER GEAR GR.2	"BORELLI" type with male connection	
OVER GEAR GR.3	"BORELLI" type with male connection	
SIMPLE PUMP GR.2	"MARZOCCHI" type ALP2-D-40	
SIMPLE PUMP GR.3	"MARZOCCHI" type ALP3-D-66	
DOUBLE PUMP GR.2	"MARZOCCHI" type A2D40+2PD40+KIT-650130	
HYDRAULIC FILTER DISCHARGE	"SOFIMA" type CRE025CV1	
HYDRAULIC FILTER SUCTION	"SOFIMA" type AMF302CV1AB610XX	
RADIATOR	"IRA" type RAL30/2F15V12ST506 with THERMOSTATE 50-60°	

KNIFE TECHNICAL FEATURES	
KNIFE TYPE ON GROUP i=380	L=400 mm HOLE Ø 25 mm
KNIFE TYPE ON GROUP i=560	L=505 mm HOLE Ø 30 mm

DISCS TECHNICAL FEATURES		
NORMAL DISC	ON GROUP i=380	CIRCULAR BLADE Ø500 X 3,6 HOLE Ø30 Z80
	ON GROUP i=506	-
DISCO WIDIA	ON GROUP i=380	CIRCULAR BLADE Ø500 WIDIA Z80 HOLE Ø30
	ON GROUP i=506	CIRCULAR BLADE Ø600 WIDIA Z48 HOLE Ø30

TRANSMISSION TECHNICAL FEATURES		
BELT	ON GROUP i=380	"POLY-V" 380 J 10
	ON GROUP i=506	"POLY-V" 1222 J 10

MAINTENANCE

The **B.M.V. pruning machine** does not require any special maintenance.

Always remember to:

PRUNING MACHINE

- clean the machine thoroughly after use and store it in an area protected against atmospheric agents.
- grease all joints at the beginning of the season, and use grease to frequently lubricate the telescopic runners.
- before starting to work, check if there are clearances in the runners. To eliminate them, screw nuts put on the silver plates: each one pushes a round nylon lining.
- allow the machine to run for a short while before starting to prune
- check, with the engine switched off and every 4 hours of working, the screws that hold the cutters in place, the general conditions of the machine and, above all the oil, in order to avoid leakage. Should any of the former occur, stop work and carry out

INDIPENDENT HYDRAULIC UNIT

- Filter the oil, even if taken from sealed container, with a 10µm filter before introducing it inside the tank.
- Replace the oil filter cartridge after the first 50 hours of working and, subsequently, after 250 hours of functioning, or after one year (however at least once per year)
- The hydraulic oil of the tank must be replaces after 2000 hours of working or after two years.
- When the machine is new, please execute the testing that is: let the machine running for 20-30 minutes not under stress, at low turns, and if it's possible, without discs or knives.
- Verify that the radiator tank is always free from impurities.

HYDRAULIC PLAN

MOTORS LINE

DESCRIPTION		RUBBER TYPE
1	ASPIRATION FROM REGULATION TAP 1 – PUMP 1	1" SAE 100 R4
2	DELIVERY FROM PUMP TO MOTOR DISTRIBUTOR	¾" SAE 100 R2AT -SPELATA-
3	DELIVERY FROM MOTOR DISTRIBUTOR TO 1° MOTOR ON CUTTING GROUP	½" SAE 100 R1AT -SPELATA-
4	CONNECTION AMONG MOTORS	½" SAE 100 R1AT -SPELATA-
5	OIL DRAIN FROM LAST MOTOR TO MOTOR DISTRIBUTOR	½" SAE 100 R1AT
6	OIL DRAIN FROM MOTOR DISTRIBUTOR TO RADIATOR	¾" SAE 100 R1AT
7	OIL DRAIN FROM RADIATOR TO FILTER	1" SAE 100 R4

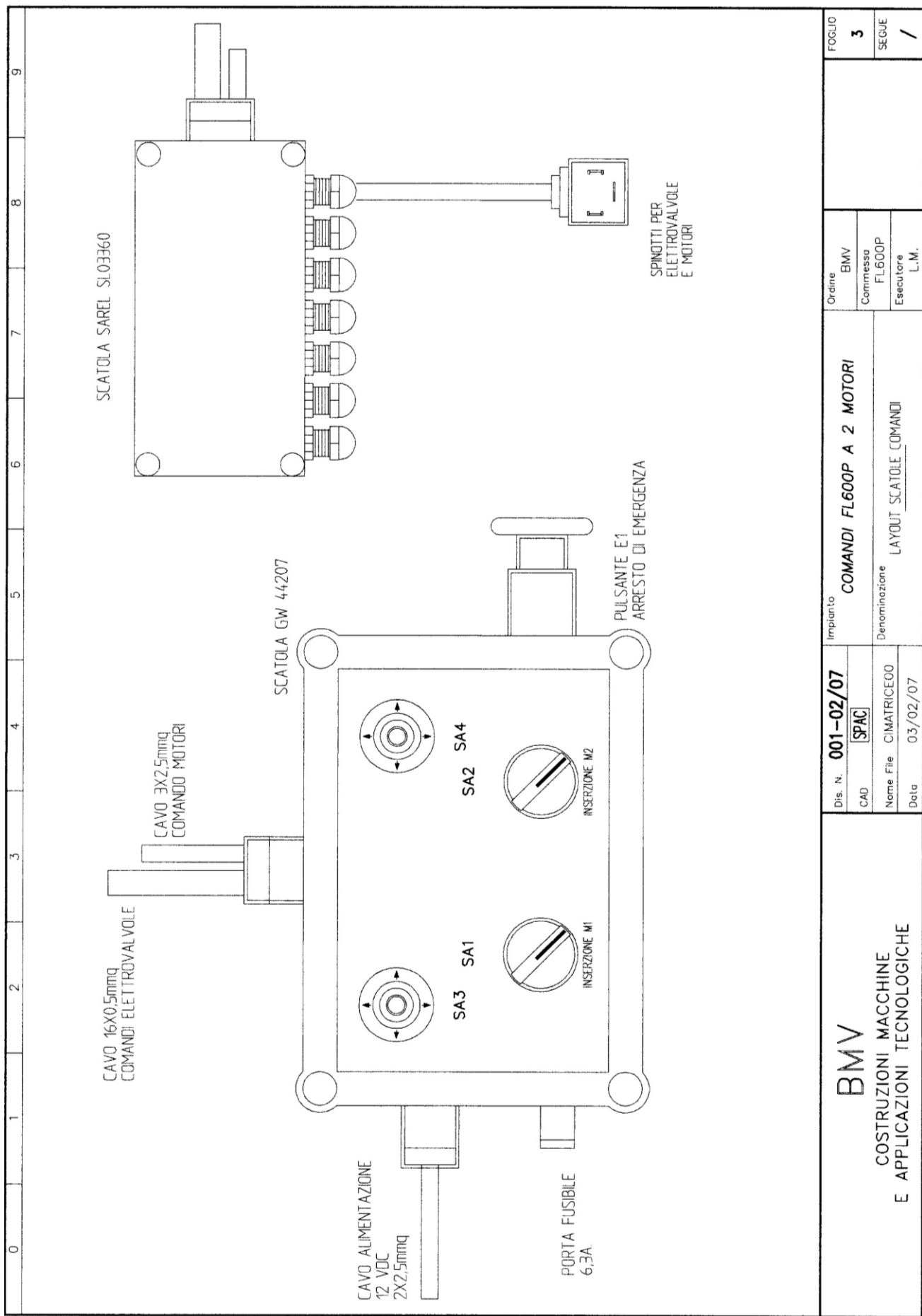
DRAINAGES LINE

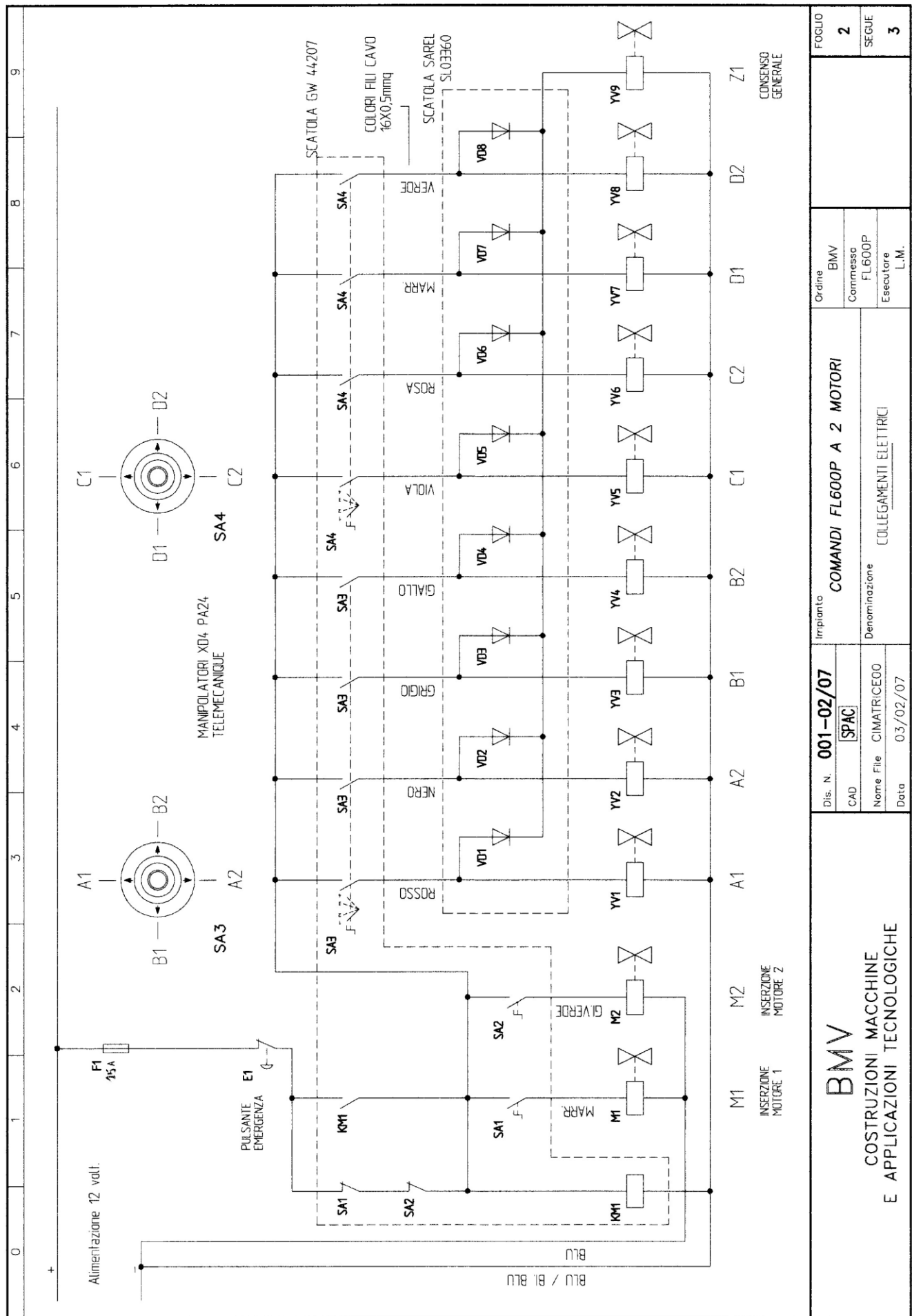
DESCRIPTION		RUBBER TYPE
1	MOTOR CONNECTION	¼" SAE 100 R1AT
2	RETURN FROM LAST MOTOR TO TANK	3/8" SAE 100 R1AT

PISTONS LINE

DESCRIPTION		RUBBER TYPE
1	DELIVERY (BLUE CAP) FROM QUICK COUPLING ON TRACTOR TO PISTONS DISTRIBUTOR	1/2" SAE 100 R1AT -SPELATA-
2	DELIVERY AND RETURN FROM PISTON DISTRIBUTOR TO PISTONS	¼" SAE 100 R1AT
3	RETURN (RED CAP) FROM PISTONS DISTRIBUTOR TO QUICK COUPLINGS ON TRACTOR	1/2" SAE 100 R1AT

ELECTRIC PLAN

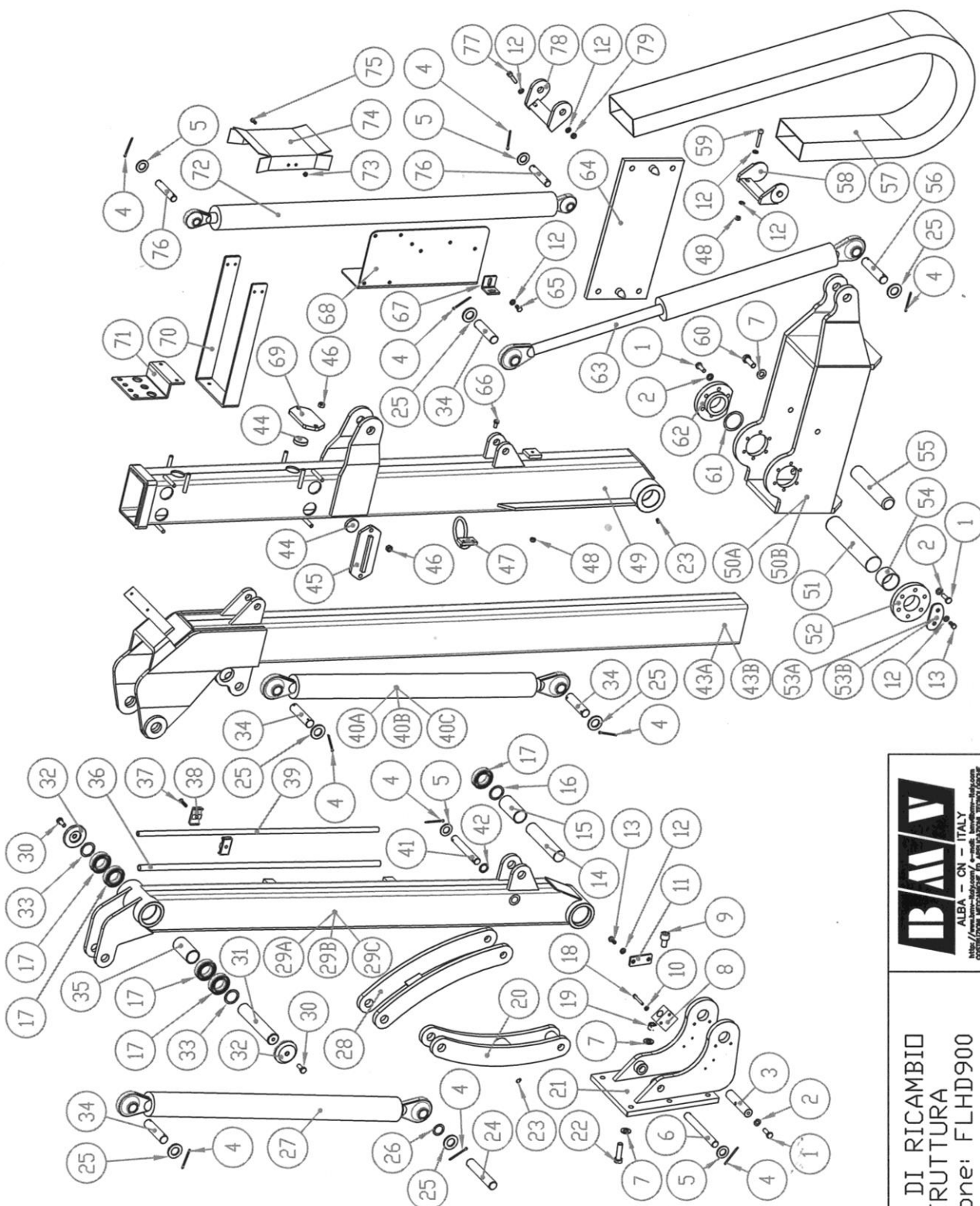




SPARE PARTS

TAV. 1A

VALID FORM SERIAL No. N°F0900201



Descrizione:
PARTI DI RICAMBIO
STRUTTURA
Versione: FLHD900


TAV. 1A

Structure – Spare Parts table
(VALID FROM SERIAL N°F0900201)

N°	DESCRIPTION	CODE	Q.TY	
1	TE M10 x 25 Zincata UNI 5739	CP0008	12	
2	Rondella M10 ZN	CP0040	12	
3	Perno di rinforzo per leva	FLHD90_139	1	
4	Copiglia 3 x 50	CP0002	20	
5	Rondella M20 ZN	CP0001	8	
6	Albero sostegno leva	FLHD90_027	1	
7	Rondella M14 ZN	CP0011	9	
8	Blocchetto scarico drenaggi	BLOK_001	1	
9	TCEI M14 x 25 Zincata UNI 5931	CP0329	2	
10	Rondella M6 ZN	CP0014	2	
11	Piastrina per bloccaggio	FLHD90_032	1	
12	Rondella M8 ZN	CP0005	14	
13	TE M8 x 20 Zincata UNI 5739	CP0006	4	
14	Perno fulcro leva	FLHD90_028	1	
15	Distanziale snodo 120	FL80_039	1	
16	Rasamento De45 di35 Sp1	CP0114	2	
17	Cuscinetto 6007	CP0009	6	
18	TCEI M6 x 45 Zincata UNI 5931	CP0342	2	
19	Dado autobloccante M14 ZN	CP0010	6	
20	Leva anteriore	FLHD90_004	1	
21	Supporto snodo gruppo taglio	FLHD90_002	1	
22	TE M14 x 50 Zincata UNI 5739	CP0015	6	
23	Ingrassatore M6	CP0112	2	
24	Albero attacco pistone - leva	FLHD90_025	1	
25	Rondella M24 ZN	CP0004	12	
26	Rasamento De35 di25 Sp0,5	CP0315	2	
27	PISTONE C=700 A=60 S=30 T=25 PA+15°	PS0005	1	
28	Leva posteriore	FLHD90_008	1	
29A	Braccio superiore inclinazione gr. taglio (TOP 5000)	FLHD90_055	1	
29B	Braccio superiore inclinazione gr. taglio	FLHD90_003	1	
29C	Braccio superiore inclinazione gr. taglio (DIST.INT.100)	FLHD90_079	1	
30	TE M10 x 25 Zincata UNI 5739	CP0008	2	
31	Albero fulcro superiore	FLHD90_030	1	
32	Rondella per perno medio diametro 35mm	FLHD90_031	2	
33	Rasamento De45 di35 Sp1	CP0114	2	
34	Albero per pistone inclinazione	FLHD90_024	4	
35	Distanziale per cuscinetto	FLHD90_047	1	
36	Tubo oleodinamico 1/2"	FLHD90_039	1	
37	TE M6 x 30 Zincata UNI 5739	CP0344	4	
38	Collare doppio D16	CP0343	8	
39	Tubo oleodinamico 3/8"	FLHD90_040	1	

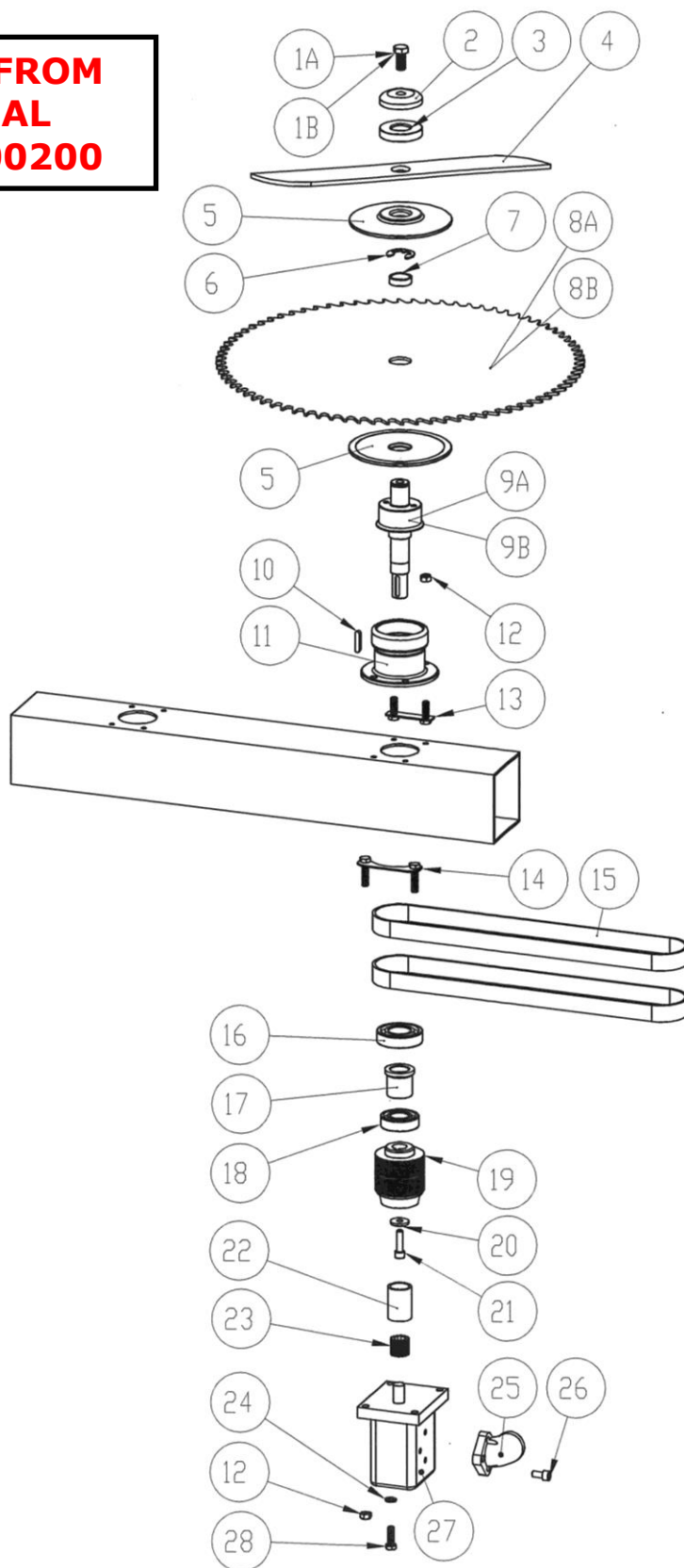
Structure – Spare Parts table
(VALID FROM SERIAL N°F0900201)

N°	DESCRIZIONE	CODICE	Q.TA'	
40A	PISTONE C=560 A=60 S=30 T=25 PA (TOP 5000)	PS0003	1	
40B	PISTONE C=500 A=60 S=30 T=25 PA	PS0004	1	
40C	PISTONE C=560 A=60 S=35 T=25 PA (C+100 DIST.INT.100)	PS0049	1	
41	Albero sostegno leva	FLHD90-026	1	
42	Rasamento De28 di20 Sp1	CP0202	2	
43A	Montante interno scorrimento verticale	FLHD90_005	1	
43B	Montante interno scorrimento verticale (TOP 5000)	FLHD90_060	1	
44	Pattino maggiorato	FLHD90_019	6	
45	Piastra frontale di registro	FLHD90_009	2	
46	Dado autobloccante M10 ZN	CP0003	8	
47	Anello per gomme	FLHD90_073	1	
48	Dado autobloccante M8 ZN	CP0023	4	
49	Montante esterno scorrimento verticale	FLHD90_006	1	
50A	Supporto	FLHD90_007	1	
50B	Attacco con boccole avvitate	FLHD90_138	1	
51	Albero fulcro inferiore	FLHD90_029	1	
52	Flangia di centraggio perno frontale	FLHD90_138-5	1	
53A	Piastrina per bloccaggio	FLHD90_018	1	
53B	Piastrina per bloccaggio	FLHD90_138-4	1	
54	Boccola DU 5040	CP0007	2	
55	Perno per fissaggio su carrello	FLHD90_101-2	1	
56	Albero per pistone inclinazione inferiore	FLHD90_023	1	
57	Catenaria-MAGLIA	CP0159	1	
58	Catenaria-TESTATA MASCHIO	CP0159-1M	1	
59	TCEI M8 x 45 Zincata UNI 5931	CP0250	2	
60	TE M14 x 40 Zincata UNI 5739	CP0345	1	
61	Rasamento De62 di50 Sp1	CP0346	2	
62	Flangia di centraggio perno posteriore	FLHD90_138-3	1	
63	PISTONE C=450 A=60 S=30 T=25 PE	PS0001	1	
64	Contropiastra per attacco FLHD900	FLHD90_168	1	
65	TE M8 x 16 Zincata UNI 5739	CP0016	2	
66	TE M8 x 16 Zincata UNI 5739	CP0016	2	
67	Angolare sostegno staffa porta distributore	FLHD90_044	1	
68	Riparo distributore	FLHD90_043	1	
69	Piastra laterale di registro	FLHD90_010	2	
70	Staffa per passacavi	FLHD90_042	1	
71	Piastra con passaparete	FLHD90_034	1	
72	PISTONE C=1000 A=50 S=30 T=19 PE	PS0002	1	
73	Dado autobloccante M6 ZN	CP0131	4	
74	Staffa sostegni catena passacavi	FLHD90_016	1	
75	TE M6 x 16 Zincata UNI 5739	CP0251	4	

[illegible]

**VALID FROM
SERIAL
N°F0900200**

TAV. 2A



Descrizione:

**PARTI DI RICAMBIO
GRUPPO TAGLIO
FLHD900**

BMV
ALBA - CN - ITALY
<http://www.bmv-italy.com/> e-mail: bmvs@bmv-italy.com
COSTRUZIONI MECCANICHE ED APPLICAZIONI TECNOLOGICHE

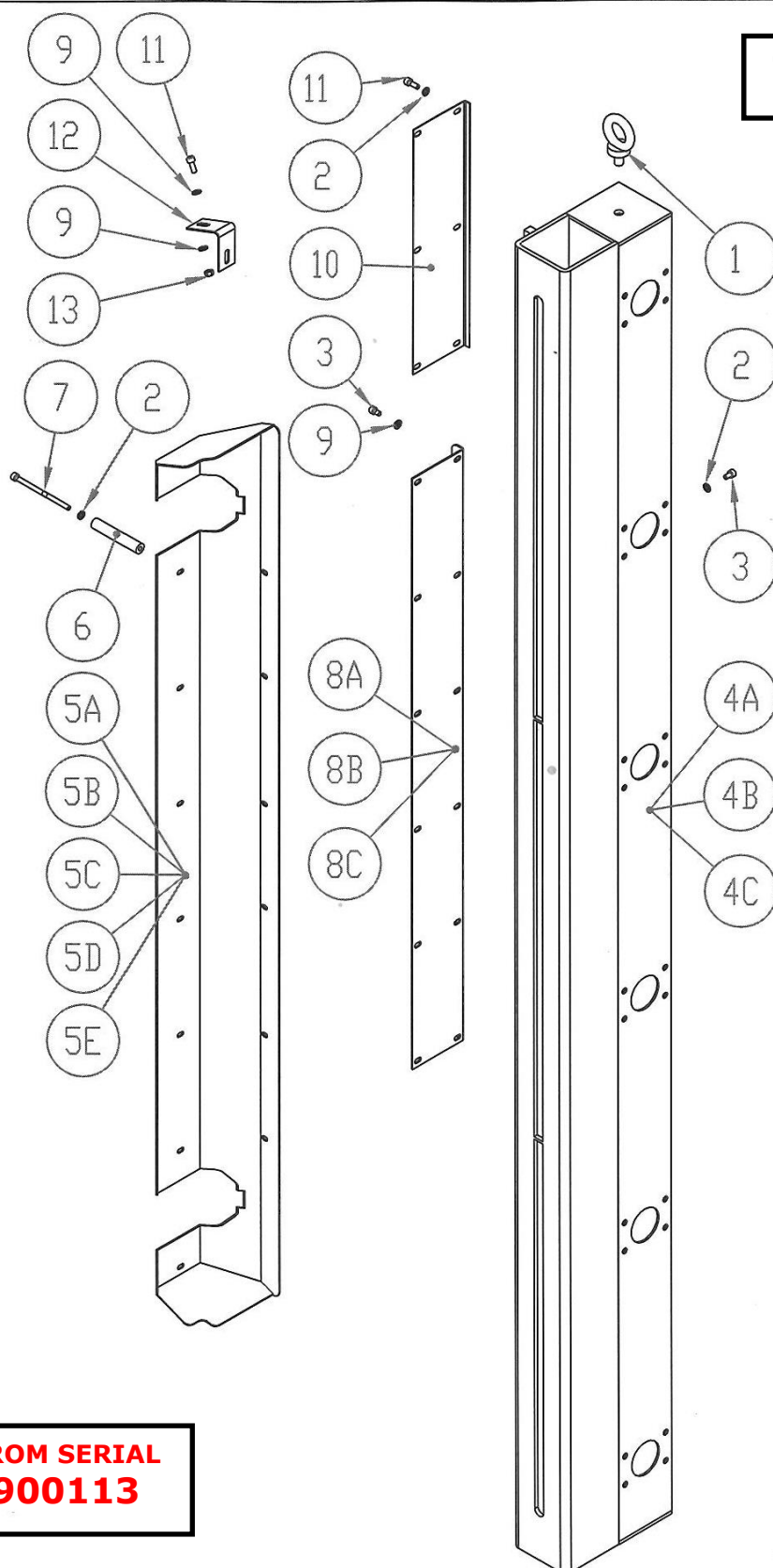

TAV. 2A

Cutting group FLHD900 I=380 – Spare parts table
(VALID FROM SERIAL N°F0900200)

N°	DESCRIZIONE	CODICE	Q.TA'	
1A	TE M12 x 25 PASSO 1,25 ZN	CP0017	1	
1B	TE M12 x 25 PASSO 1,25 ZN SINISTRA	CP0018	1	
2	Rondella maggiorata	FL80_203	1	
3	Distanziale per coltello frutta	FL60_085	1	
4	Coltello per FL destro	COLT_001	1	
5	Femmina per serraggio disco	FL80_206	2	
6	Seeger rinforzato 25	CP0019	1	
7	Anello su flangia femmina	FL60_084	1	
8A	Disco 450	CP0020	1	
8B	Disco 500	CP0021	1	
9A	Perno corto	FL60_082-1	1	
9B	Perno lungo	FL60_083-1	1	
10	Linguetta 6x6 L30	CP0279	1	
11	Supporto in ferro	FL60_065	1	
12	Dado autobloccante M8 Zincato	CP0023	4	
13	Piastrina blocca supporto	FL80_207	1	
14	Piastrina blocca motore	FL80_208	1	
15	Cinghia POLY-V 965 J 10	CP0024	2	
16	Cuscinetto 6206 2RS	CP0025	1	
17	Distanziale interno	FL80_221	1	
18	Cuscinetto 6205 2RS	CP0026	1	
19	Puleggia per POLY-V	FL80_201-2	1	
20	C-RGS 8-25 Nera	CP0027	1	
21	TCEI M8 x 30 Nera UNI 5931	CP0028	1	
22	Manicotto BFM2 Z15 ABBASSATO #	FLHD90_077-1	1	
23	Semigiunto BF 2T Z15 CH4	CP0356	1	
24	Grower M8 rinforzata zincata	CP0031	4	
25	RG40 mezzo pollice	CP0032	2	
26	TCEI M8 x 25 Zincata UNI 5931	CP0033	6	
27	Motore ALM2-R-22-E1	CP0035	1	
28	TE M8 x 25 Zincata UNI 5739	CP0036	2	

NON FORNIBILE DA SOLO, MA CON KIT CODICE : CP0365
 XXX CODICE CP0365, KIT composto da : Puleggia per poly-v FL80_201-2 + C-RGS 8-25 Nera CP0027 + Manicotto BFM2 Z15 Abbassato FLHD90_077-1

TAV. 4A



**VALID FROM SERIAL
N°F0900113**

Descrizione:

PARTI DI RICAMBIO
BARRA 6-7-8 "C" ALTO
Mod.: FLHD900 I=380



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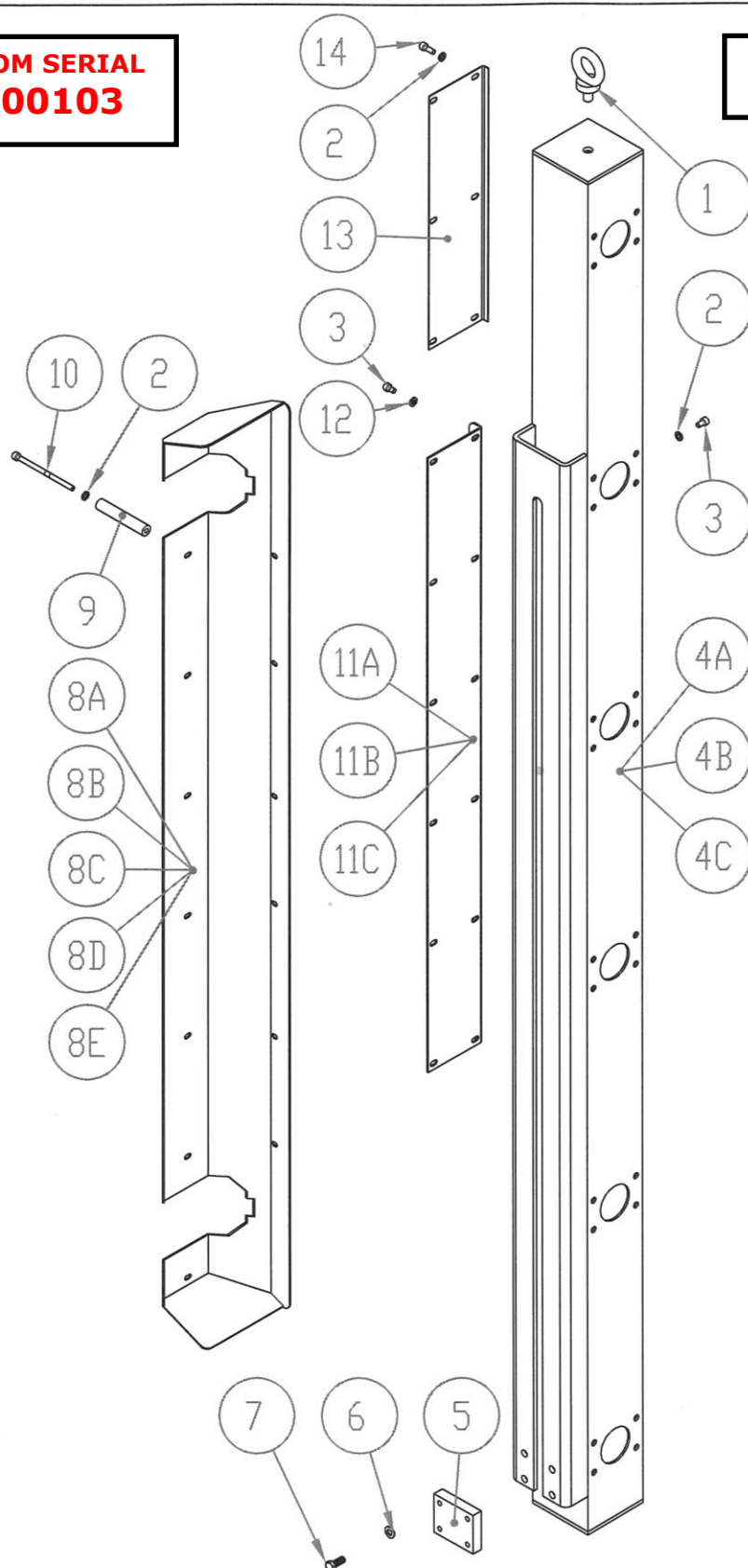
TAV. 4A

Cutting bar I=380 FLHD900 – Spare parts table
(VALID FROM SERIAL N°F0900113)

N°	DESCRIZIONE	CODICE	Q.TA'	
1	Golfare maschio M12	CP0012	1	
2	Grover M6 Zincata	CP0097	37	
3	TCEI M6 x 10 Zincata UNI 5931	CP0098	12	
4A	Barra di taglio 6 elementi	FLHD90_165	1	
4B	Barra di taglio 7 elementi	FLHD90_166	1	
4C	Barra di taglio 8 elementi	FLHD90_167	1	
5A	Carter protezione 2 motori barra 6 e 7	FLHD90_161-2	1	
5B	Carter protezione 3 motori barra 6	FLHD90_161-1	1	
5C	Carter protezione 3 motori barra 8	FLHD90_161-3	1	
5D	Carter protezione 4 motori barra 8 e 7	FLHD90_161-4	1	
5E	Carter protezione 3 motori barra 7	FLHD90_161-5	1	
6	Colonna sostegno posteriore carter	FLHD90_163	8	
7	TCEI M6 x 100 Zincata UNI 5931	CP0351	7	
8A	Riparo trasmissione portante (12 FORI)	FLHD90_162-3	1	
8B	Riparo trasmissione portante (8 FORI)	FLHD90_162-2	1	
8C	Riparo trasmissione portante (4 FORI)	FLHD90_162-1	1	
9	Grover M6 Zincata	CP0097	12	
10	Riparo trasmissione (6 FORI)	FL60_139	2	
11	TCEI M6 x 16 Zincata UNI 5931	CP0109	28	
12	Staffa provvisoria per testate carter	FLHD90_155-4	1	
13	Rondella M6 ZN	CP0014	2	

**VALID FROM SERIAL
N°F0900103**

TAV. 4B



Descrizione:

PARTI DI RICAMBIO
BARRA TAGLIO 6-7-8
Mod.: FLHD900 I=380

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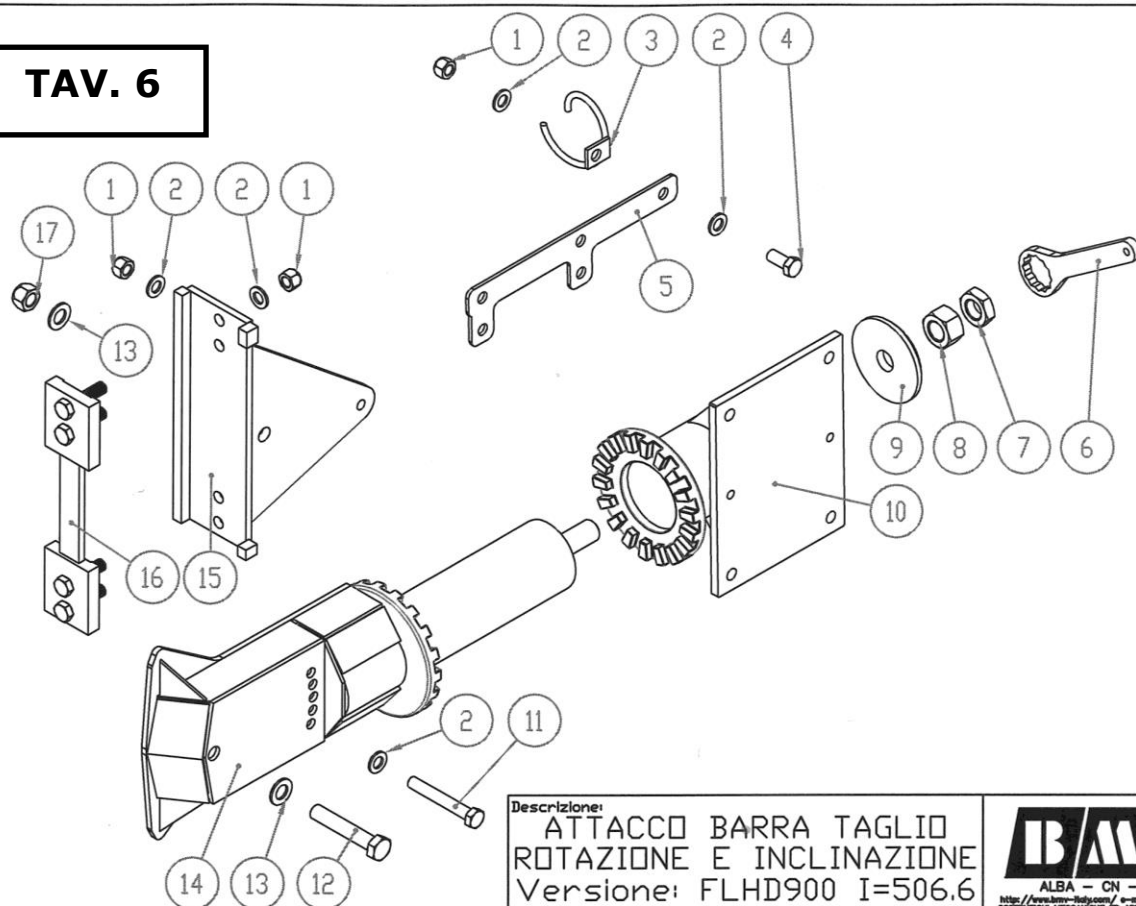


TAV. 4B

Cutting bar I=380 FLHD900 – Spare parts table
(VALID FROM SERIAL N°F0900103)

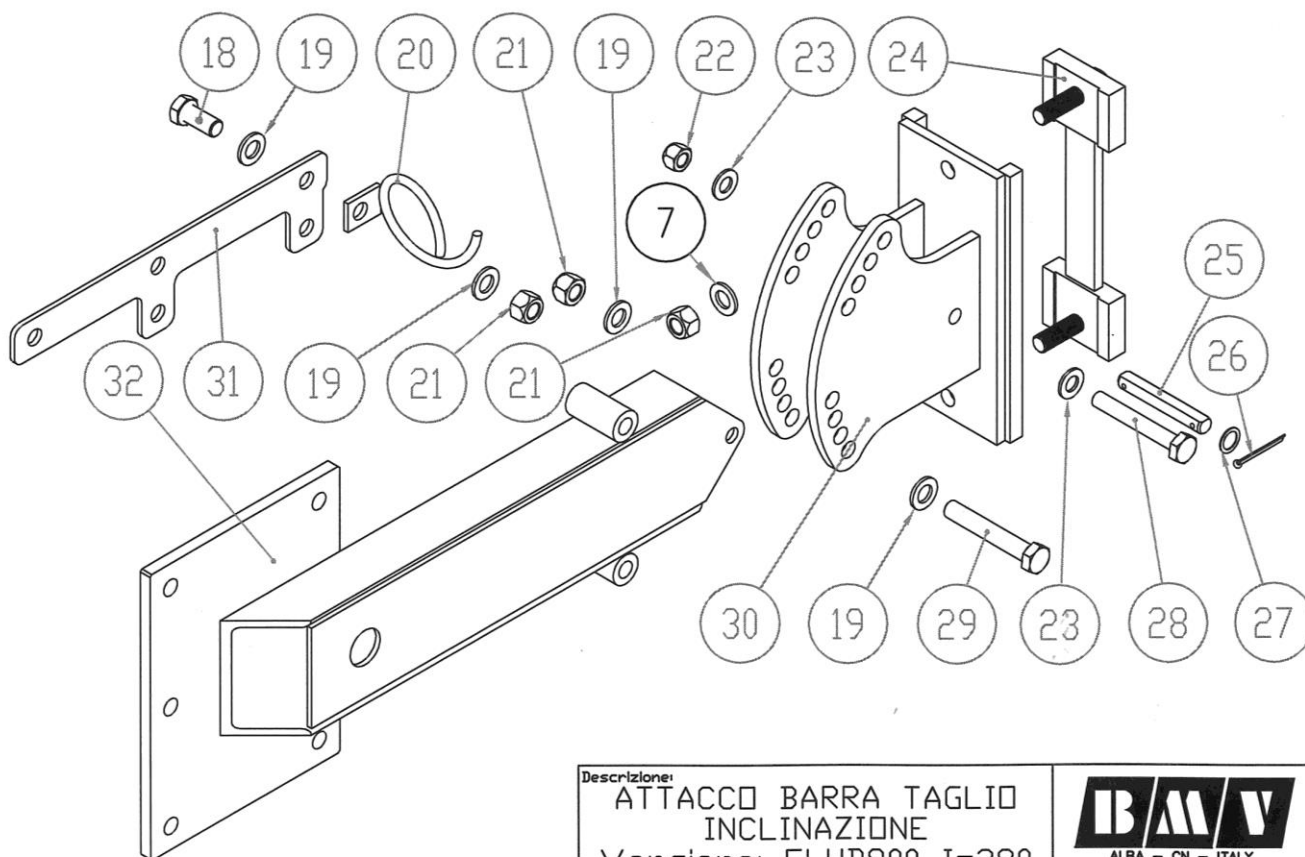
N°	DESCRIZIONE	CODICE	Q.TA'	
1	Golfare maschio M12	CP0012	1	
2	Grover M6 Zincata	CP0097	37	
3	TCEI M6 x 10 Zincata UNI 5931	CP0098	12	
4A	Barra di taglio 6 elementi	FLHD90_017	1	
4B	Barra di taglio 7 elementi	FLHD90_033	1	
4C	Barra di taglio 8 elementi	FLHD90_066	1	
5	Piatto chiusura asola	FLHD90_017-b	1	
6	Rondella M8 Zincata	CP0005	4	
7	TE M8 x 20 Zincata UNI 5739	CP0006	4	
8A	Carter protezione 2 motori barra 6 e 7	FLHD90_161-2	1	
8B	Carter protezione 3 motori barra 6	FLHD90_161-1	1	
8C	Carter protezione 3 motori barra 8	FLHD90_161-3	1	
8D	Carter protezione 4 motori barra 8 e 7	FLHD90_161-4	1	
8E	Carter protezione 3 motori barra 7	FLHD90_161-5	1	
9	Colonna sostegno posteriore carter	FLHD90_163	8	
10	TCEI M6 x 100 Zincata UNI 5931	CP0351	7	
11A	Riparo trasmissione portante (12 FORI)	FLHD90_162-3	1	
11B	Riparo trasmissione portante (8 FORI)	FLHD90_162-2	1	
11C	Riparo trasmissione portante (4 FORI)	FLHD90_162-1	1	
12	Grover M6 Zincata	CP0097	6	
13	Riparo trasmissione (6 FORI)	FL60_139	2	
14	TCEI M6 x 16 Zincata UNI 5931	CP0109	24	

TAV. 6



Descrizione:
ATTACCO BARRA TAGLIO
ROTAZIONE E INCLINAZIONE
Versione: FLHD900 I=506.6

BMV
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<http://www.bmv-italy.com/> e-mail: bmvi@bmvi-italy.com
CONSTRUTTORI MECCANICHE ED APPLICAZIONI TECNOLOGICHE



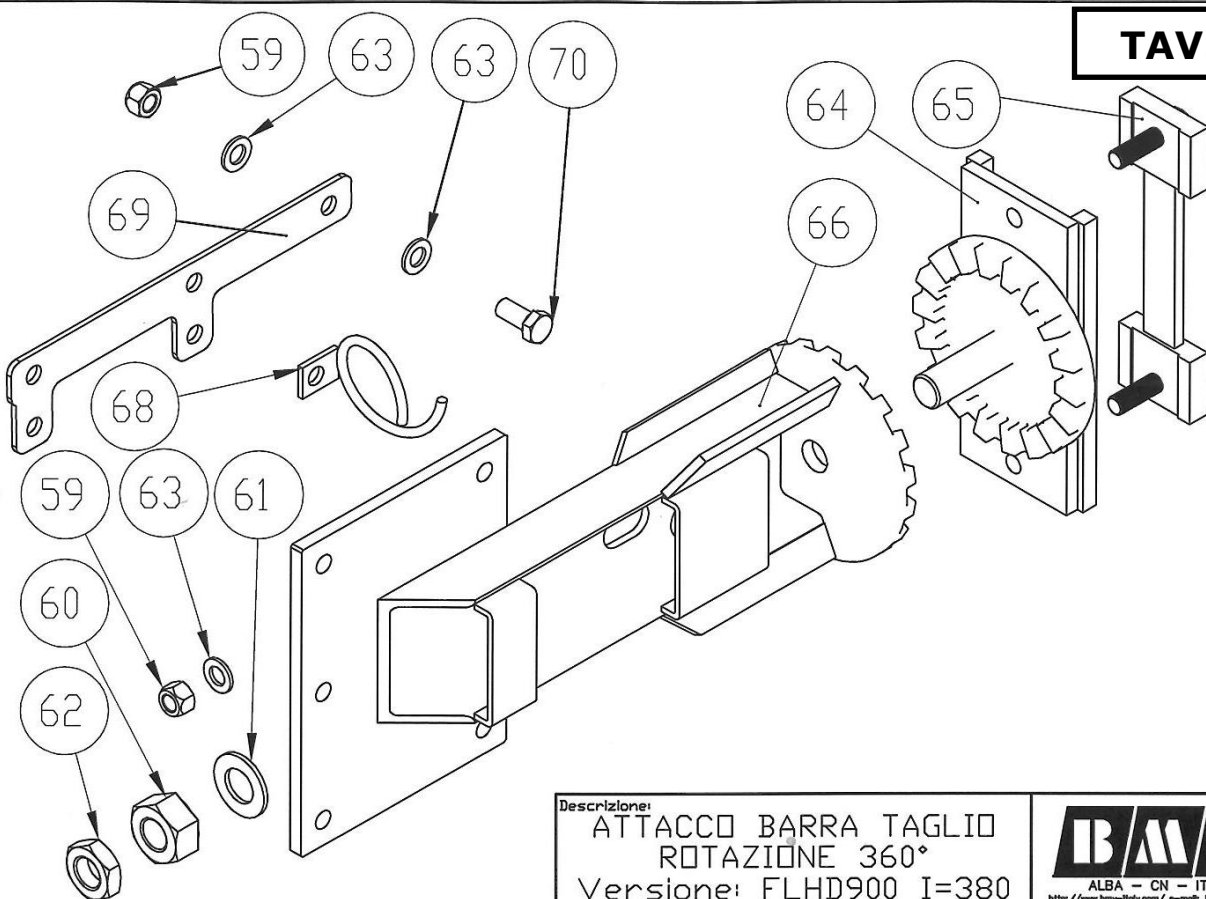
Descrizione:
ATTACCO BARRA TAGLIO
INCLINAZIONE
Versione: FLHD900, I=380

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Cutting bar FLHD900 – Spare parts table

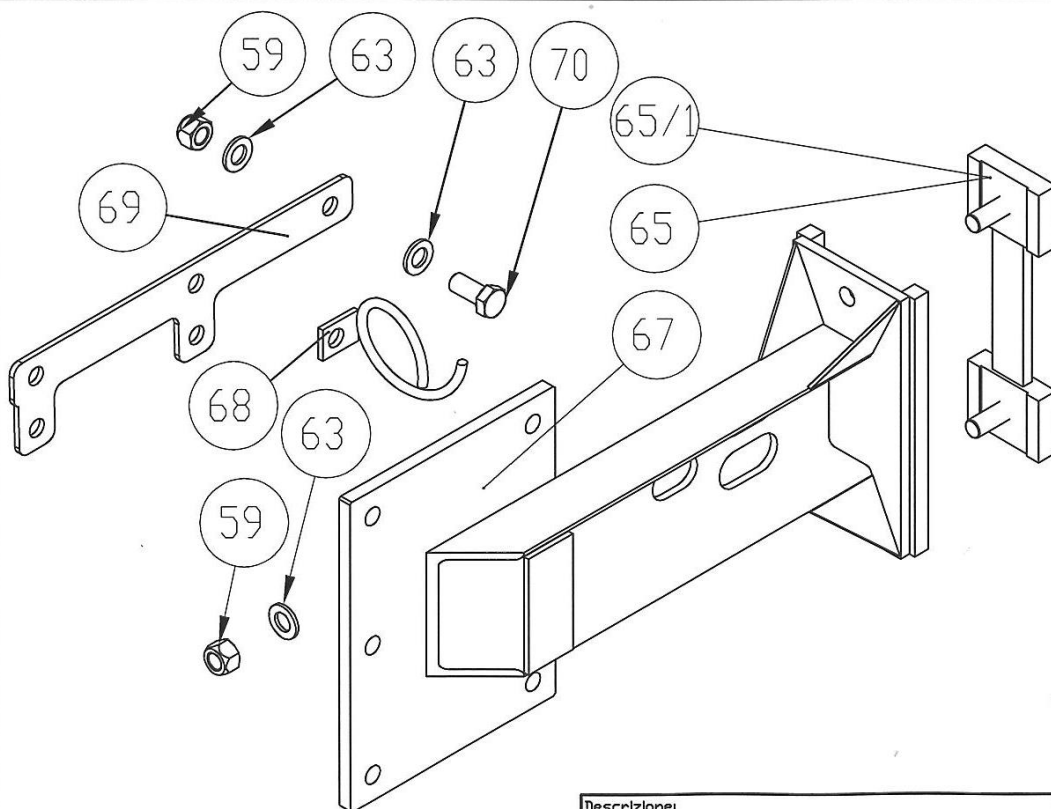
N°	DESCRIZIONE	CODICE	Q.TA'	
1	Dado autobloccante M16 ZN	CP0099	8	
2	Rondella M16 ZN	CP0100	12	
3	Anello porta gomme	FLHD90_061	3	
4	TE M16 x 35 Zincata UNI 5739	CP0347	3	
5	Staffa per ganci portagomme	FLHD90_152	1	
6	Chiave per dado M30	FLHD90_051	1	
7	Dado M30 basso ZN	CP0285	1	
8	Dado M30 ZN	CP0286	1	
9	Rondella di serraggio	FLHD90_150-2	1	
10	Supporto fisso per rotazione barra 360° I=506,6	FLHD90_151	1	
11	TE M16 x 110 Zincata UNI 5737	CP0324	1	
12	TE M20 x 110 Zincata UNI 5737	CP0348	1	
13	Rondella M20 ZN	CP0001	2	
14	Supporto mobile per rotazione barra 360° I=506,6	FLHD90_150	1	
15	Piastra traslazione e rotazione	FLHD90_132	1	
16	Guida con 4 bulloni	FLHD90_136	1	
17	Dado autobloccante M20 ZN	CP0150	1	
18	TE M16 x 35 Zincata UNI 5739	CP0347	3	
19	Rondella M16 ZN	CP0100	12	
20	Anello porta gomme	FLHD90_061	3	
21	Dado autobloccante M16 ZN	CP0099	7	
22	Dado autobloccante M14 ZN	CP0010	1	
23	Rondella M14 ZN	CP0011	2	
24	Guida (INTERASSE 240)	FLHD90_049	1	
25	Perno blocco rotazione	FLHD90_054	1	
26	Copiglia 3 x 50	CP0002	2	
27	Rasamento De24 di17 Sp1	CP0349	2	
28	TE M14 x 100 Zincata UNI 5737	CP0013	1	
29	TE M16 x 100 Zincata UNI 5737	CP0350	2	
30	Supporto snodo inclinazione barra	FLHD90_037	1	
31	Staffa per ganci portagomme	FLHD90_152	1	
32A	Supporto barra	FLHD90_053	1	
32B	Supporto barra L=+200	FLHD90_038	1	

TAV. 7



Descrizione:
ATTACCO BARRA TAGLIO
ROTAZIONE 360°
Versione: FLHD900 I=380

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Descrizione:
ATTACCO BARRA TAGLIO
FISSO
Versione: FLHD900 I=380

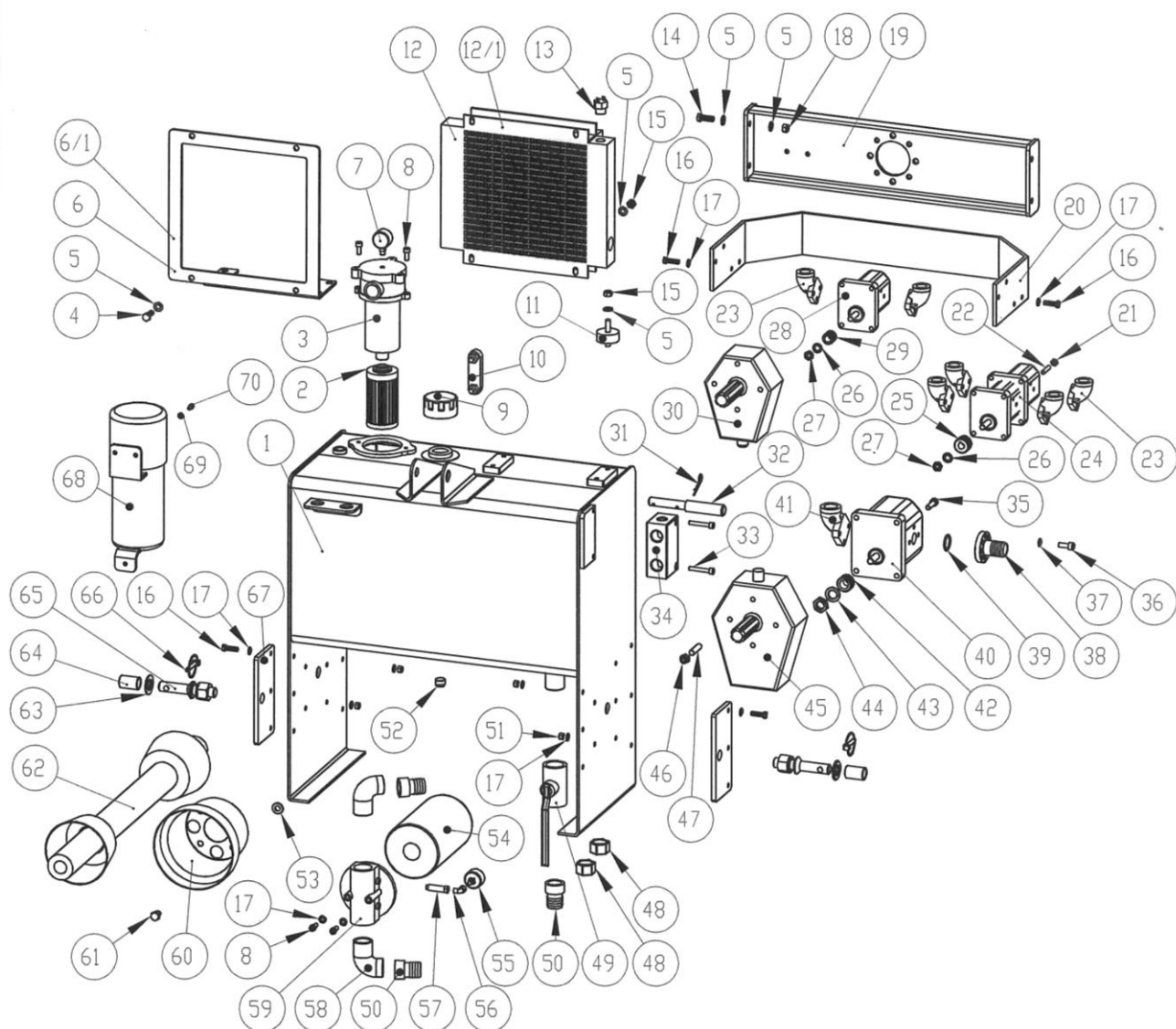
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TAV. 7

Cutting bar FLHD900 – Spare parts table

N°	DESCRIZIONE	CODICE	Q.TA'	
59	Dado autobloccante M16 ZN	CP0099	5	
60	Dado M30 Zincato	CP0286	2	
61	Rondella M30 ZN	CP0284	1	
62	Dado BASSO M30 Zincato	CP0285	1	
63	Rondella M16 ZN	CP0100	8	
64	Supporto su barra gruppo taglio versione 360°	FLHD90_046	1	
65/1	Guida (INTERASSE 210)	FLHD90_021	1	
65	Guida (INTERASSE 240)	FLHD90_049	1	
66	Supporto per barra gruppo taglio versione 360°	FLHD90_045	1	
67	Supporto barra gruppo taglio versione solo traslazione	FLHD90_020	1	
68	Anello porta gomme	FLHD90_061	3	
69	Staffa per ganci portagomme	FLHD90_152	1	
70	TE M16 x 35 Zincata UNI 5739	CP0347	3	

TAV. 8



Descrizione:

PARTI DI RICAMBIO
CENTRALINA 80 LITRI



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TAV. 8

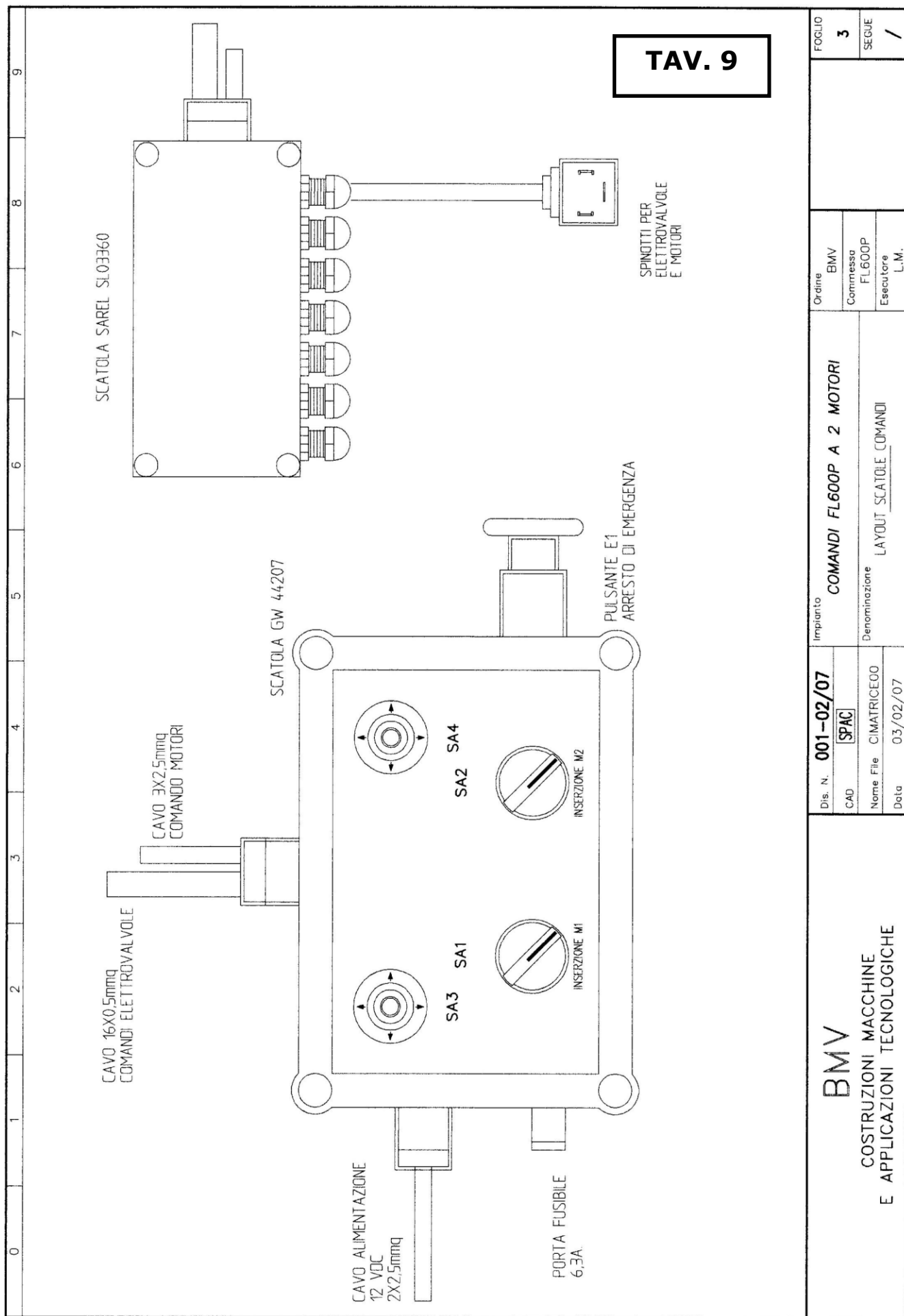
Hydraulic tank FLHD900 – Spare parts table

N°	DESCRIZIONE	CODICE	Q.TA'	
1	Serbatoio 80 litri	CENT_000	1	
2	Cartuccia filtro olio scarico 60 micron	CP0037	1	
3	Filtro olio scarico	CP0038	1	
4	TE M10 x 30 Zincato UNI 5739	CP0039	4	
5	Rondella zincata M10	CP0040	20	
6	Staffa radiatore modello A25	CENT_014	1	
6/1	Staffa radiatore modello A20	CENT_016	1	
7	Manometro filtro scarico	CP0041	1	
8	TCEI M8 x 20 Zincato UNI 5931	CP0042	4	
9	Tappo con filtro	CP0043	1	
10	Termometro e indicatore di livello	CP0044	1	
11	Antivibrante	CP0045	4	
12	Radiatore A25	CP0046	1	
12/1	Radiatore A20	CP0047	1	
13	Termostato	CP0048	1	
14	TE M10 x 30 Zincato UNI 5739	CP0039	4	
15	Dado autobloccante M10 Zincato	CP0003	8	
16	TE M8 x 30 Zincato UNI 5739	CP0051	10	
17	Rondella zincata M8	CP0005	22	
18	Dado autobloccante M10 Zincato	CP0003	1	
19	Lama supporto moltiplicatore	CENT_022	1	
20	Riparo pompa	CENT_015	1	
21	Dado autobloccante M8 Zincato	CP0023	4	
22	Prigioniero M8	CP0055	4	
23	RG40 3-4 pollice	CP0056	6	
24	Pompa doppia GR2 ALP2-D-40+40	CP0057	1	
25	Semigiunto moltiplicatore GR3 pompa GR2	CP0058	1	
26	Grover M12	CP0059	2	
27	Dado basso M12 Zincato	CP0060	2	
28	Pompa GR2 ALP2-D-40	CP0061	1	
29	Semigiunto moltiplicatore GR2 pompa GR2	CP0062	1	
30	Moltiplicatore maschio GR2 1:3,8	CP0063	1	
31	Copiglia 2,5	CP0064	1	
32	Perno universale	CP0065	1	
33	TCEI M8 x 50 Zincato UNI 5931	CP0066	2	
34	Blocchetto distributore	CENT_023	1	
35	TCEI M10 x 35 Zincato UNI 5931	CP0067	4	
36	TCEI M10 x 25 Zincato UNI 5931	CP0068	4	
37	Grover M10	CP0069	4	
38	Flangia aspirazione su pompa	CENT_031	1	
39	O-ring 30x3,55	CP0070	1	
40	Pompa GR3 ALP3-D-60	CP0071	1	
41	RG56 1"	CP0072	1	
42	Semigiunto per GR3	CP0073	1	
43	Grover M14	CP0277	1	
44	Dado basso M14 Zincato	CP0249	1	
45	Moltiplicatore maschio GR3 1:3,8	CP0076	1	
46	Dado autobloccante M12x1,25 Zincato	CP0077	4	


TAV. 8

Hydraulic tank FLHD900 – Spare parts table

N°	DESCRIZIONE	CODICE	Q.TA'	
47	Prigioniero M12	CP0050	4	
48	Tappo 1" Zincato	CP0053	2	
49	Valvola a sfera 1"e1/4 F-F	CP0054	1	
50	Portagomma maschio 1"e1/4-35mm	CP0049	3	
51	Dado autobloccante M8 Zincato	CP0023	10	
52	Tappo calamitato M22x1,5	CP0079	1	
53	Rondella di spessoramento	CENT_034	4	
54	Cartuccia filtro olio aspirazione 25 micron	CP0080	1	
55	Manometro filtro aspirazione	CP0081	1	
56	Gomito 1/8" M-F Zincato	CP0082	1	
57	Diritto 1/8" M-F Zincato	CP0083	1	
58	Gomito 1"e1/4 M-F Zincato	CP0084	2	
59	Filtro aspirazione 25 micron	CP0085	1	
60	Cuffia riparo cardano	CP0086	1	
61	TE M12x16 Zincato UNI5739	CP0087	4	
62	Cardano GR4 L=800	CP0088	1	
63	Rondella M24 Zincata	CP0004	2	
64	Boccola	CP0090	2	
65	Perno per attacco attrezzi	CP0091	2	
66	Spine a scatto	CP0092	2	
67	Piastra attacco	CENT_001	2	
68	Porta documenti	CP0272	1	
69	Rondella zincata M6	CP0014	3	
70	TCEI M6 x 12 Zincato UNI 5931	CP0130	3	



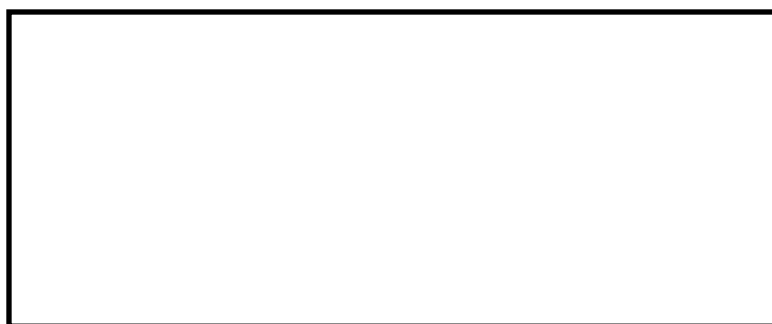
**TAV. 9*****Control box FLHD900 – Spare parts table***

N°	DESCRIZIONE	CODICE	Q.TA'	
E1	PULSANTE EMERGENZA	CP0078	1	
	MANIPOLATORE 2 VIE	CP0089	1	
SA3-SA4	MANIPOLATORE 4 VIE	CP0093	1	
M1-M2	SELETTORE ON/OFF	CP0094	2	
-	SCATOLA COMANDO	CP0095	1	
	SCATOLA DERIVAZIONE	CP0096	1	



Pruning machine for green and dry trees

REPRESENTED BY:



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