3. Horn control

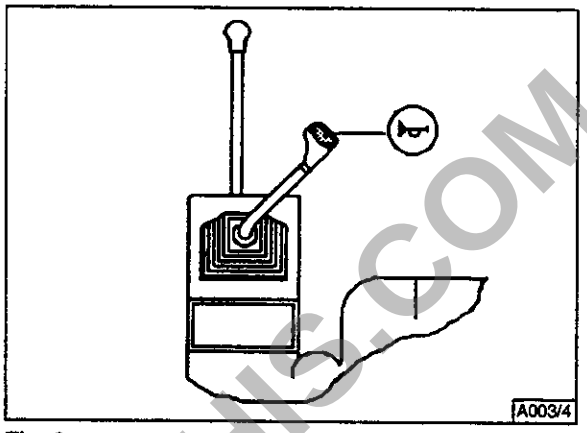


Fig. 9

4. Electronic Data Monitor (EDM)
Signals any malfunction in monitored machine components.

5. Service hour-meter
It is a mechanically operated, 5-digit totalizer reading full service hours and fractions thereof. It is activated automatically every time engine is started.

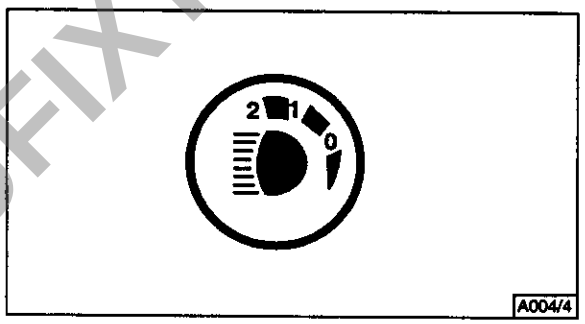


Fig. 10

6. Lighting switch
- First click (pos.1):
Right work light ON (plus EDM panel lighting)
- Second click (pos. 2):
Same as pos.1 plus boom work light ON.

NOTE On actuation of the lighting switch this warning indicator is activated.

Switch activation is possible only when lock switch key is set in position **1**.

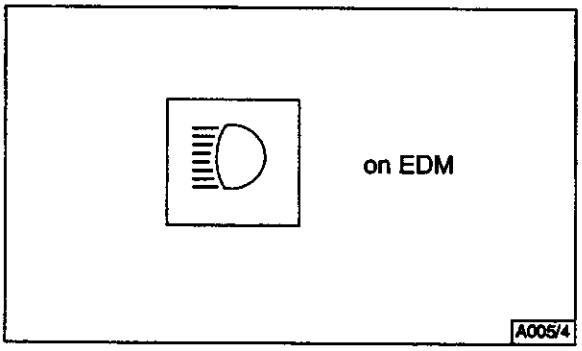


Fig. 11

Stralis tf Inside 044095 60417016

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60323007

CAMSHAFT
ALBERO AD ECCENTRICI

ARBRE A CAMES
EXZENTERWELLE
ARBOL DE LEVAS

0.120 TAV.1

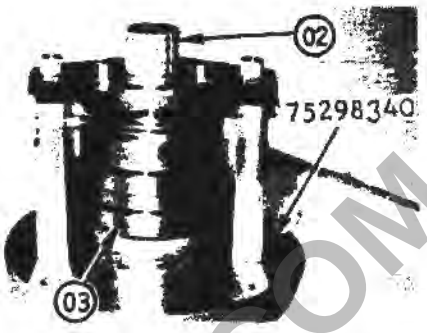
N.T.R. 126 "II-1997" (updating 01)

ITEM	PART NUMBER	QTY	TR. CO.	DESCRIPTION	DESCRIZIONE	MODIF. CO.
01	**76191498**	1	17A	CAMSHAFT	ALBERO AD ECCENTRICI	
02	**76191468**	1	50i	GEAR	INGRANAGGIO	**C3695**
03	**76191769**	1	200S	PIN	SPINA	
04	**75286115**	1	105P	PLATE	PIASTRA	**C3695**
	76192126	1	105P	PLATE	PIASTRA	**D3695**
05	**75286076**	2	40V	SCREW 8X1,25X22	VITE 8X1,25X22	
06	**76191653**	12	240P	TAPPET	PUNTERIA	
07	**76192449**	1	50I	GEAR	INGRANAGGIO	**D3695**

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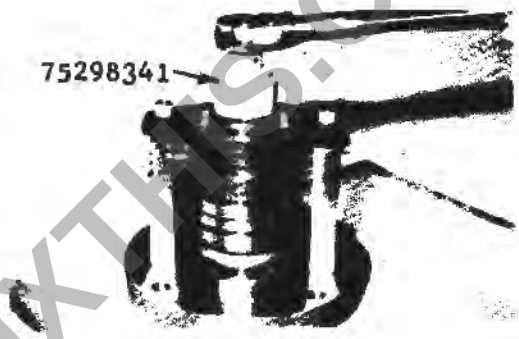
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19 Place drive disc (02) with bearings (03) on the tool 75298340 .

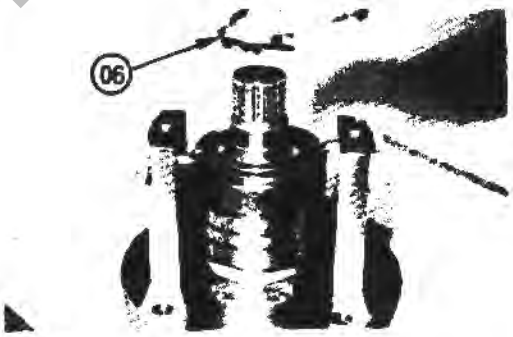


20 Install tool 75298341 on the spline of drive disk to loosen bearing nut (06).

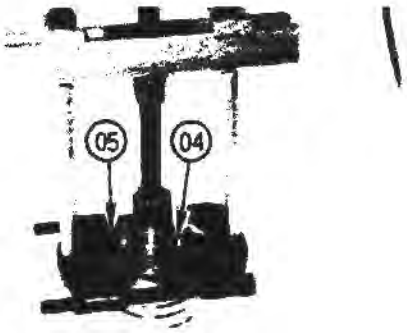
Note: Loosen the bearing nut by turning the drive disk in the direction of clockwise.



21 Remove bearing nut (06)



22 Remove both bearings (04) with spacer (05) from the drive disk using pulling attachments and puller.



23 Remove cup of bearing (03).

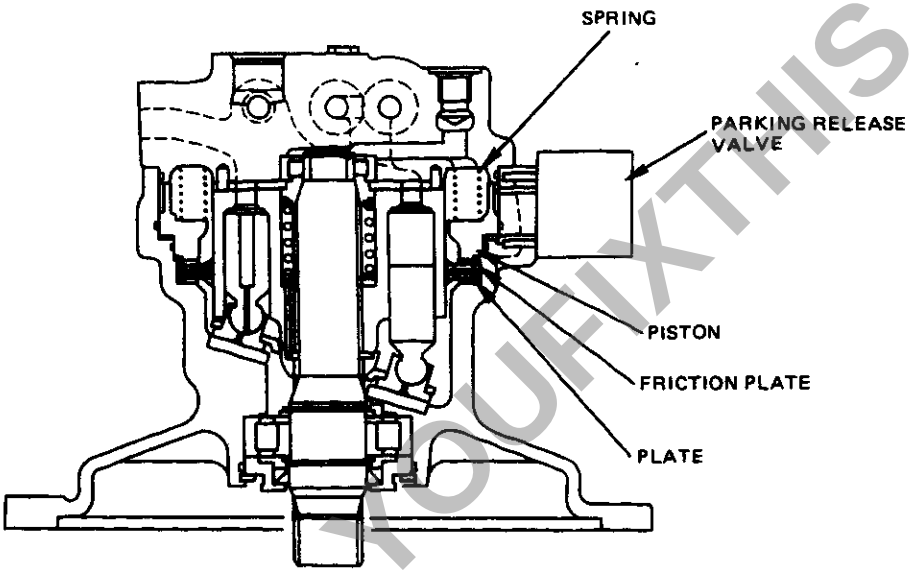


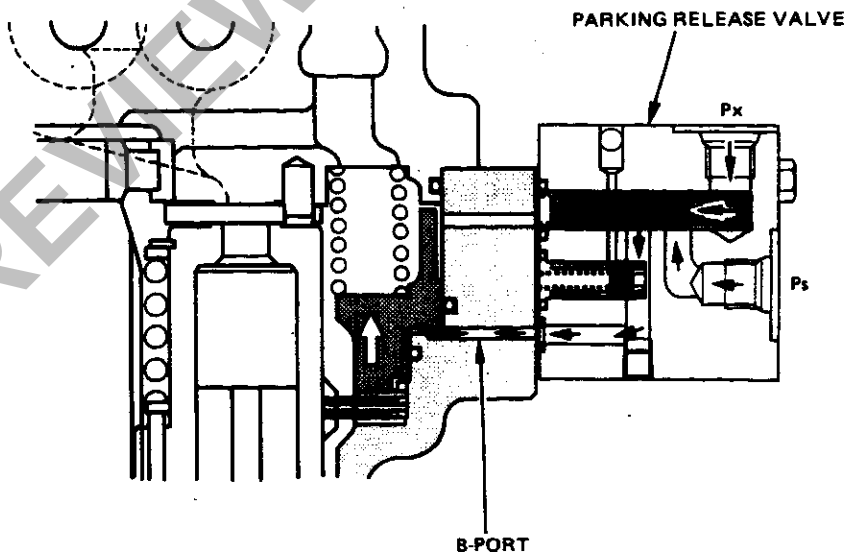
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2.4 PARKING BRAKE

Fig. shows the construction of spring-set, hydraulically-released type disc brake. In the lever neutral condition, piston is kept pressed in down ward direction by spring to press plates and friction paltes, thus obtaining braking force. In the lever operation, the pilot oil pressure is applied to B-port through the parking release valve to move the piston to the up ward against the force of the spring, thus releasing the brake force.

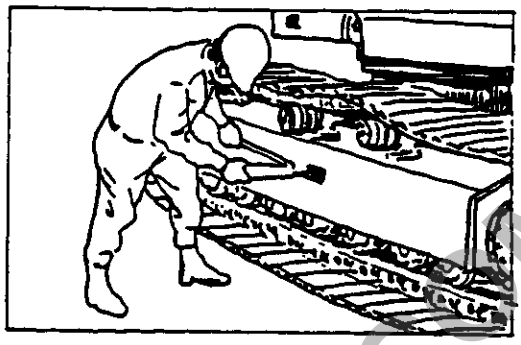




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4 Supply grease to cylinder through fitting.

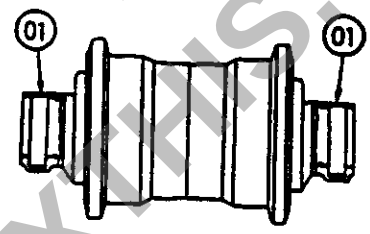


5.2.3 DISASSEMBLY & ASSEMBLY

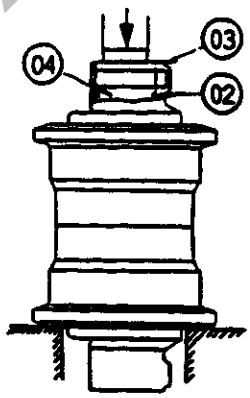
(1) ROLLER

DISASSEMBLY

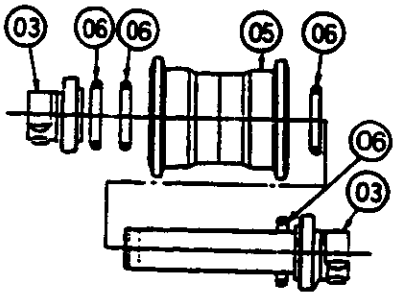
1 Remove plug from collar and drain the oil.



2 Remove pin (01).
Press axle (04) to end of collar (03).
Remove collar and O-ring.



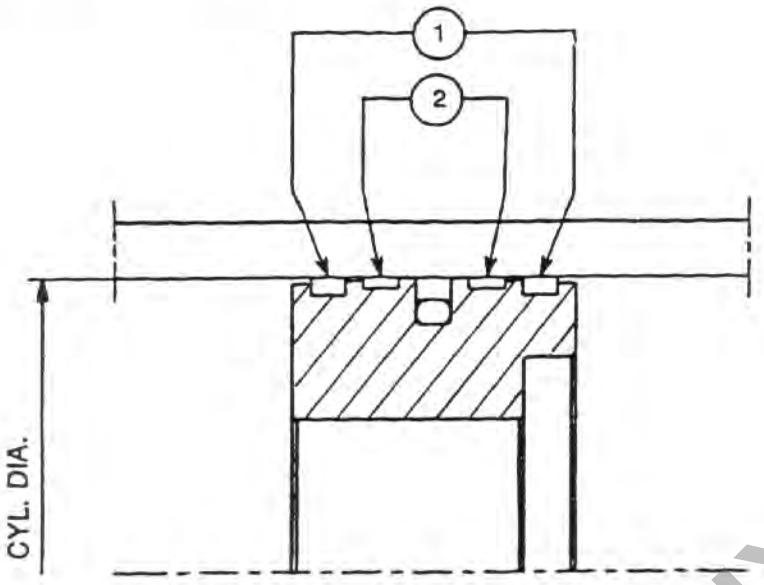
3 Remove seal groups (06) from the roller and collar (03).
The seal groups can be reused if they are not worn. Seal groups are to be kept in matched sets and to put cardbord to protect the sealing face.

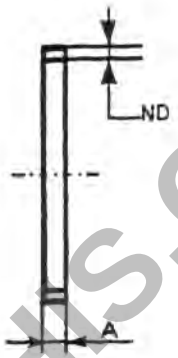


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PISTON SLIDE RING





ARM CYLINDERS
CYL DIA. 165 mm

Unit: mm

POS.	A	ND	LU	Remedy
No. 1	9.5	3.98		Replace
No. 2	9.5	2.98		Replace

BOOM and BUCKET CYLINDERS
CYL DIA. 145 mm

Unit: mm

POS.	A	ND	LU	Remedy
No. 1	7.9	3.98		Replace
No. 2	9.5	2.48		Replace

ND: NOMINAL DIMENSION
LU: LIMIT OF USE

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Stampato in Italia 04495 604172016

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BASIC MACHINE OPERATIONS

AVOID EXCESSIVELY HARD DIGGING
Do not travel the machine with the bucket thrust into the ground or dig by using the machine's weight. These operations apply excessive stresses on the machine.

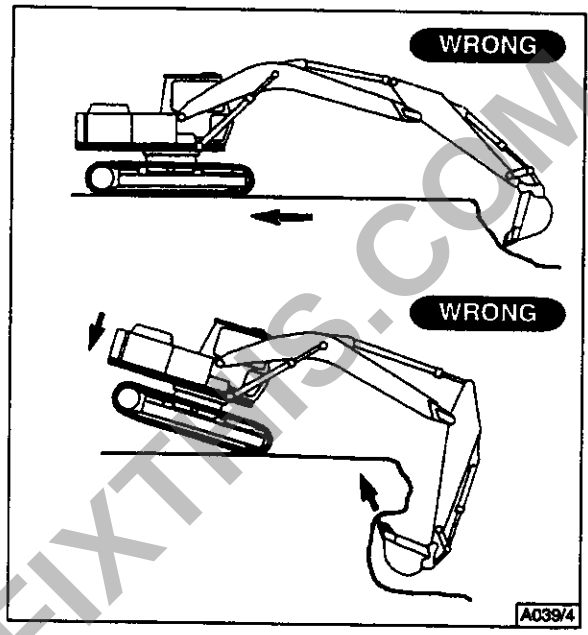


Fig. 50

AVOID HAMMERING WORK
Do not use the bucket as a hammer or pile driver. Such operation will damage the bucket and other front attachment parts.

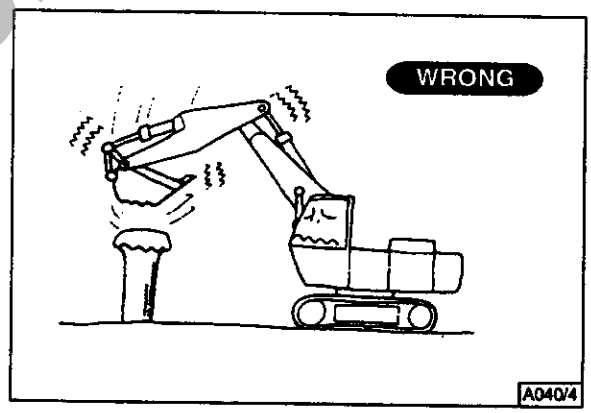


Fig. 51

SELECT CORRECT SHOES
Never use a wide shoe and marsh type shoe for rough ground (which involve rocks, sand and gravel, pebbles, etc.), as they are designed for soft and weak ground. Using these shoes on rough ground will cause bending and loosening of the shoes, and may damage other undercarriage components (links and rollers).

AVOID USE OTHER THAN SPECIFIED
The performance of the machine is defined in the manufacturer's specifications. Never use the machine for works outside the specifications.

Stampato in Italia 04/95 [604170161]

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INDICE ALFABETICO

DENOMINAZIONE	SGR.	TAV.
GANCI SOLLEVAMENTO MOTORE	0.450	1
IMPIANTO ELETTRICO	1.220	1
INIETTORI	0.149	2
INIETTORI	0.149	3
MANIGLIA-COMPONENTI	1.300	4
MANIPOLATORE-COMPONENTI	1.070	2
MODULO DI CONTROLLO	1.200	2
MOTORE TERMICO	0.021	1
MOTORE-PARTI SUPPLEMENT.	0.010	1
MOTORE-PARTI SUPPLEMENT.	0.010	2
MOTORIDUTT.TRASLAZ.-COMP.	3.010	2
MOTORIDUTTORE DI ROTAZ.	1.040	1
MOTORIDUTTORI DI TRASLAZ.	3.010	1
MOTORINO AVVIAM.-FISSAGGI	0.360	1
PISTONE MOTORE	0.082	1
POMPA ACQUA	0.320	1
POMPA ATTREZZ.-COMPONENTI	1.030	2
POMPA IMPIANTO IDRAULICO	1.030	1
POMPA INIEZIONE	0.140	1
POMPA INIEZIONE-COMANDO	0.140	2
POMPA INIEZIONE-COMANDO	0.140	2A
POMPA OLIO MOTORE	0.300	1
POMPA SERVOCOMANDO	1.030	4
POMPA TRAVASO COMBUST.	5.0160	1
POMPA TRAVASO COMBUST.	5.0161	1
RADIATORE	0.003	1
RADIATORE-COMPONENTI	0.003	2
REG.POMPA IDRAULICA-COMP.	1.030	3
RIDUTTORE ROT.-COMPONENTI	1.040	2
RISCALDATORE	1.290	1
RISCALDATORE CABINA-COMP.	1.290	2
RULLO CARRELLO CINGOLO	3.040	1
SEDILE (Bostrom)	1.250	3
SEDILE CONDUTTORE	1.250	2
SERBATOIO COMBUSTIBILE	1.010	1
SERBATOIO OLIO	1.020	1
SFIATATOIO MOTORE	0.045	1
SILENZIATORE	0.002	1
SMORZATORE ALBERO MOTORE	0.084	1
SOSPENSIONI MOTORE	0.000	1
TARGHE	4.500	1
TARGHE	4.500	1A
TARGHE RUMOROSITA'	4.530	1
TELAIO INFERIORE	3.000	1
TELAIO SUPERIORE	1.000	1
TENDICINGHIA VENTILATORE	0.345	3
TENDICINGHIA VENTILATORE	0.345	3A
TENDICINGOLO	3.020	1
TERMOSTATO E TUBAZIONI	0.326	1
TESTA CILINDRI	0.060	1
TUBAZ. REG. MISCELAZIONE	0.149	4
TUBAZ.POMPA/DISTRIBUTORE	1.050	1
TUBAZIONI BRACCI	2.030	1
TUBAZIONI BRACCI	2.030	2
TUBAZIONI COMBUSTIBILE	0.203	1
TUBAZIONI COMBUSTIBILE	0.203	2
TUBAZIONI COMBUSTIBILE	0.203	2A
TUBAZIONI COMBUSTIBILE	0.203	3
TUBAZIONI INGRASSATORI	2.040	1
TUBAZIONI POMPA-INIETTORI	0.149	1
TUBAZIONI PRINCIPALI	1.060	1
TUBAZIONI RAFFREDD.MOTORE	0.323	1
TUBAZIONI RAFFREDD.MOTORE	0.323	2
TUBAZIONI SERVOCOMANDI(1)	1.080	1
TUBAZIONI SERVOCOMANDI(2)	1.081	1
TUBAZIONI SERVOCOMANDI(3)	1.082	1
TUBAZIONI SERVOCOMANDI(4)	1.083	1
TUBAZIONI SERVOCOMANDI(5)	1.084	1
TUBAZIONI TRASLAZ.(INF.)	3.070	1
TUBAZIONI TURBOCOMPRESS.	0.241	1
TURBOCOMPRESSORE	0.240	1
TURBOCOMPRESSORE	0.240	2
TURBOCOMPRESSORE	0.240	3
TURBOCOMPRESSORE	0.240	3A
VALVOLA ANTIURTO-COMPON.	1.082	3
VALVOLA ARRESTO-COMPON.	1.082	2
VALVOLA DI NON RITORNO	1.081	2
VALVOLA PILOTA	5.0020	3

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ENGINE SUSPENSIONS
SOSPENSIONI MOTORE

SUSPENSIONS DU MOTEUR
MOTORAUFHAENGUNG
ANCLAJES MOTOR

0.000 TAV.1

N.T.R. 126 "II-1997" (updating 01)

ITEM	PART NUMBER	QTY	TR. CO.	DESCRIPTION	DESCRIZIONE	MODIF. CO.
10	**71460409**	1	225S	BRACKET	STAFFA	
12	**71415213**	16	131R	WASHER	ROSETTA	
13	**71460410**	1	225S	BRACKET	STAFFA	
14	**71415215**	4	265C	COVER	COPERCHIO	
15	**71415219**	4	265C	COVER	COPERCHIO	
16	**71420318**	4	60T	BLOCK	TASSELLO	
17	**15203134**	2	40V	SCREW 18X1,5X130	VITE 18X1,5X130	
18	**11703221**	2	10D	NUT 18	DADO 18	
19	**71415218**	4	131R	WASHER 36X19X4,5	ROSETTA 36X19X4,5	
23	**71415216**	4	60T	BLOCK	TASSELLO	
24	**71460411**	2	225S	BRACKET	STAFFA	
25	**11113034**	16	40V	SCREW 12X1,75X45	VITE 12X1,75X45	
26	**71415214**	4	131R	WASHER 40X21X4,5	ROSETTA 40X21X4,5	
27	**12163521**	2	10D	NUT 20	DADO 20	
28	**11126734**	2	40V	SCREW 20X2,5X150	VITE 20X2,5X150	
31	**11107634**	5	40V	SCREW 10X70	VITE 10X70	
54	**10516874**	5	170R	LOCKWASHER 10	ROSETTA ELASTICA 10	
94	**152804486**	1	70F	FLANGE	FLANGIA	

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INJECTION NOZZLE — INJECTEURS — 0.149 TAV.3

INIETTORI — DUESENSTOCK — N.T.R. 126 "II-1997" (updating 01)

75208927 76192438 — INYECTORES

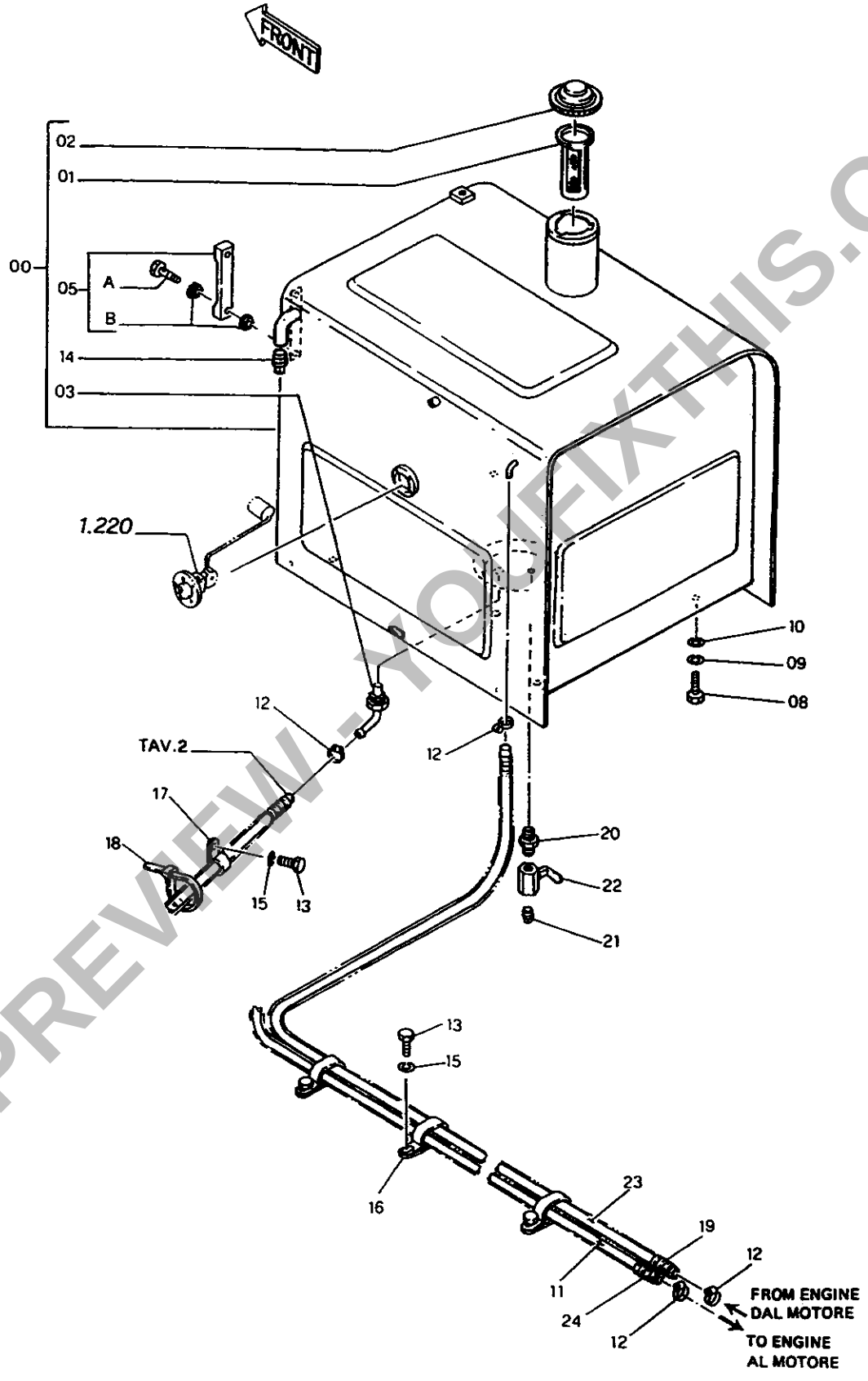
ITEM	PART NUMBER	QTY	TR. CO.	DESCRIPTION	DESCRIZIONE	MODIF. CO.
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03	76191806	1	60D	DISC	DISCO	C3695
	76191936	1	60D	DISC	DISCO	D3695
04	76191807	1	195P	NOZZLE HOLDER	PORTAPOLVERIZZATORE	C3695
	76191937	1	195P	NOZZLE HOLDER	PORTAPOLVERIZZATORE	D3695
05	76191808	1	120P	PLATE	PIATTELLO	
06	76191809	1	100M	SPRING	MOLLA	
07	75208928	1	122G	SEAL	GUARNIZIONE	
08	75207849		198S	SHIM 1,00	SPESSORE 1,00	C3695
	75207850		198S	SHIM 1,04	SPESSORE 1,04	C3695
	75207851		198S	SHIM 1,08	SPESSORE 1,08	C3695
	75207852		198S	SHIM 1,10	SPESSORE 1,10	C3695
	75207853		198S	SHIM 1,14	SPESSORE 1,14	C3695
	75207854		198S	SHIM 1,18	SPESSORE 1,18	C3695
	75207855		198S	SHIM 1,20	SPESSORE 1,20	C3695
	75207856		198S	SHIM 1,24	SPESSORE 1,24	C3695
	75207857		198S	SHIM 1,28	SPESSORE 1,28	C3695
	75207858		198S	SHIM 1,30	SPESSORE 1,30	C3695
	75207859		198S	SHIM 1,34	SPESSORE 1,34	C3695
	75207860		198S	SHIM 1,38	SPESSORE 1,38	C3695
	75207861		198S	SHIM 1,40	SPESSORE 1,40	C3695
	75207862		198S	SHIM 1,44	SPESSORE 1,44	C3695
	75207863		198S	SHIM 1,48	SPESSORE 1,48	C3695
	75207864		198S	SHIM 1,50	SPESSORE 1,50	C3695
	75207865		198S	SHIM 1,54	SPESSORE 1,54	C3695
	75207866		198S	SHIM 1,58	SPESSORE 1,58	C3695
	75207867		198S	SHIM 1,60	SPESSORE 1,60	C3695
	75207868		198S	SHIM 1,64	SPESSORE 1,64	C3695
	75207869		198S	SHIM 1,68	SPESSORE 1,68	C3695
	75207870		198S	SHIM 1,70	SPESSORE 1,70	C3695
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	75207872		198S	SHIM 1,78	SPESSORE 1,78	C3695
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	75207877		198S	SHIM 1,94	SPESSORE 1,94	C3695
	75207878		198S	SHIM 1,98	SPESSORE 1,98	C3695
	153649216		198S	SHIM 1,00	SPESSORE 1,00	D3695
	153649217		198S	SHIM 1,04	SPESSORE 1,04	D3695
	153649218		198S	SHIM 1,08	SPESSORE 1,08	D3695
	153649219		198S	SHIM 1,10	SPESSORE 1,10	D3695
	153649220		198S	SHIM 1,14	SPESSORE 1,14	D3695
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	153649223		198S	SHIM 1,24	SPESSORE 1,24	D3695
	153649224		198S	SHIM 1,28	SPESSORE 1,28	D3695
	153649225		198S	SHIM 1,30	SPESSORE 1,30	D3695
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	153649227		198S	SHIM 1,38	SPESSORE 1,38	D3695
	153649228		198S	SHIM 1,40	SPESSORE 1,40	D3695
	153649229		198S	SHIM 1,44	SPESSORE 1,44	D3695
	153649230		198S	SHIM 1,48	SPESSORE 1,48	D3695
	153649231		198S	SHIM 1,50	SPESSORE 1,50	D3695
	153649232		198S	SHIM 1,54	SPESSORE 1,54	D3695

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FUEL TANK SERBATOIO COMBUSTIBILE	RESERVOIR COMBUSTIBLE KRAFTSTOFFTANK DEPOSITO DE COMBUSTIBLE	**1.010** TAV.1 N.T.R. 126 "II-1997" (updating 01)

C3695 - UP TO S/N - FINO AL TEL. 60
D3695 - FROM S/N - DAL TEL. 61



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ELECTRIC SYSTEM IMPIANTO ELETTRICO	INSTALLATION ELECTRIQUE ELEKTRISCHE ANLAGE INSTALACION ELECTRICA	1.220 TAV.1 N.T.R. 126 "II-1997" (updating 01)

ITEM	PART NUMBER	QTY	TR. CO.	DESCRIPTION	DESCRIZIONE	MODIF. CO.
00	**71421589**	2	25B	BATTERY - IN ALTER.	BATTERIA - IN ALTER.	
	79062587	2	25B	BATTERY - IN ALTER.	BATTERIA - IN ALTER.	
01	**71416126**	2	225S	BRACKET - ASS.LY	STAFFA - COMPL.	
01A	**71416128**	1	60T	BLOCK	TASSELLO	
02	**71416128**	2	60T	BLOCK	TASSELLO	
03	**71405767**	2	225S	BRACKET	STAFFA	
05	**11106234**	6	40V	SCREW 10X1,5X25	VITE 10X1,5X25	
06	**11106434**	2	40V	SCREW 10X1,25X30	VITE 10X1,25X30	
07	**14496621**	38	131R	WASHER 10X21	ROSETTA 10X21	
08	**79010787**	2	105P	PLATE	PIASTRA	
09	**71403571**	1	75I	SWITCH	INTERRUTTORE	
10	**16043834**	2	40V	SCREW 8X1,25X30	VITE 8X1,25X30	
11	**14496531**	4	131R	WASHER 8X17	ROSETTA 8X17	
12	**79031103**	1	122G	SEAL	GUARNIZIONE	
13	**71403512**	1	35I	INDICATOR	INDICATORE	
14	**13272024**	5	40V	SCREW 4X12	VITE 4X12	
15	**11195474**	3	170R	LOCKWASHER 5	ROSETTA ELASTICA 5	
17	**13276124**	1	40V	SCREW 6X1X14	VITE 6X1X14	
18	**10516474**	2	170R	LOCKWASHER 6	ROSETTA ELASTICA 6	
19	**71480168**	2	90C	REFLECTOR	CATADIOTTRO	
20	**10352011**	4	40V	SCREW 4X14	VITE 4X14	
21	**79081900**	1	75I	SWITCH	INTERRUTTORE	
24	**71403574**	1	133S	SENSOR OIL LEVEL	SENSORE LIVELLO OLIO	
25	**10977834**	3	40V	SCREW 5X0,8X16	VITE 5X0,8X16	
26	**14497821**	3	131R	WASHER 5,3	ROSETTA 5,3	
47	**4982514**	3	31F	CLAMP	FASCETTA	
48	**79114712**	1	105A	HORN	AVVISATORE ACUSTICO	
49	**16043234**	4	40V	SCREW 8X1,25X16	VITE 8X1,25X16	
50	**10516674**	6	170R	LOCKWASHER 8	ROSETTA ELASTICA 8	
53	**71416132**	1	65C	BOOT	CAPPUCCIO	
54	**71403531**	2	188P	FUSE HOLDER - ASS.LY	PORTAFUSIBILE - COMPL.	
54A	**71403533**	1	110F	FUSE	FUSIBILE	
55	**13272224**	2	40V	SCREW 4X0,7X16	VITE 4X0,7X16	
56	**11195374**	11	170R	LOCKWASHER 4	ROSETTA ELASTICA 4	
57	**71405746**	1	231S	CLIP d=20mm	STAFFETTA d=20mm	
	71416130	1	231S	CLIP d=12mm	STAFFETTA d=12mm	
58	**11106034**	30	40V	SCREW 10X20	VITE 10X20	
60	**79092952**	2	220P	FLOODLIGHT - ASS.LY	PROIETTORE - COMPL.	
60A	**79069460**	1	30L	LAMP	LAMPADA	
61	**71320138**	1	70R	GUARD	RIPARO	
62	**15970621**	4	40V	SCREW 10X1,25X22	VITE 10X1,25X22	
63	**11112434**	2	40V	SCREW 12X30	VITE 12X30	
65	**10516874**	4	170R	LOCKWASHER 10	ROSETTA ELASTICA 10	
66	**71451230**	1	75I	SWITCH ENGINE COOLANT TEMPERATURE	INTERRUTTORE TEMPERATURA ACQUA MOTORE	
67	**71417459**	1	120G	GASKET	GUARNIZIONE PIANA	
71	**76191722**	1	133S	SENSOR ENGINE OIL LEVEL	SENSORE LIVELLO OLIO MOTORE	**C3695**
	76192444	1	133S	SENSOR ENGINE OIL LEVEL	SENSORE LIVELLO OLIO MOTORE	**D3695**
72	**10265060**	1	120G	GASKET	GUARNIZIONE PIANA	
74	**71403536**	1	160T	SENDING UNIT ENGINE COOLANT TEMPERATURE	TRASMETTITORE TEMPERATURA ACQUA MOTORE	

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IDLER
TENDICINGOLO

ROUE TENDEUSE
RAUPENKETTENSPANNER
RUEDA GUIADORA

3.020 TAV.1

II-1996

ITEM	PART NUMBER	QTY	TR. CO.	DESCRIPTION	DESCRIZIONE
0 1-13	**152204461**	2	50G2	TRACK IDLER - ASS.LY	TENDICINGOLO - COMPL.
01	**152204324**	1	166R	TRACK IDLER - ASS.LY	RUOTA TENDICINGOLO - COMPL.
01A	**152104024**	2	95B	BUSHING	BOCCOLA
02 A-I	**152204464**	2	2K	KIT - IDLER	KIT - TENDICINGOLO
02A	**152204482**	1	100M	SPRING	MOLLA
02B	**152204061**	1	164C	CYLINDER	CILINDRO
02C	**152206403**	1	10D	NUT	DADO
02D	**152203113**	1	60I	GREASE FITTING	INGRASSATORE
02E	**151205305**	1	45A	RING	ANELLO
02F	**152204094**	1	122G	SEAL	GUARNIZIONE
02G	**152204487**	1	132P	PISTON	PISTONE
02I	**151210814**	1	122G	SEAL	GUARNIZIONE
03	**152106063**	2	2K	KIT - RINGS	KIT - ANELLI
04	**152206076**	1	50T	PLUG	TAPPO
05	**151201107**	1	158G	O-RING	GUARNIZIONE O-R
06	**152206070**	1	16A	SHAFT	ALBERO
07	**151201171**	2	158G	O-RING	GUARNIZIONE O-R
08	**152206268**	2	300S	SUPPORT	SUPPORTO
09	**154103077**	2	202S	SPRING PIN	SPINA ELASTICA
10	**152204055**	1	85F	YOKE	FORCELLA
11	**151102024**	4	40V	SCREW	VITE
12	**151120011**	8	170R	LOCKWASHER	ROSETTA ELASTICA
13	**152203158**	4	40V	SCREW	VITE

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FUEL TRANSFER PUMP
POMPA TRAVASO COMBUST.
71426190

POMPE TRANSVASEMENT COMB.
KRAFTSTOFFORDERPUMPE
BOMBA REPOSTADO COMBUST.

5.0161 TAV.1

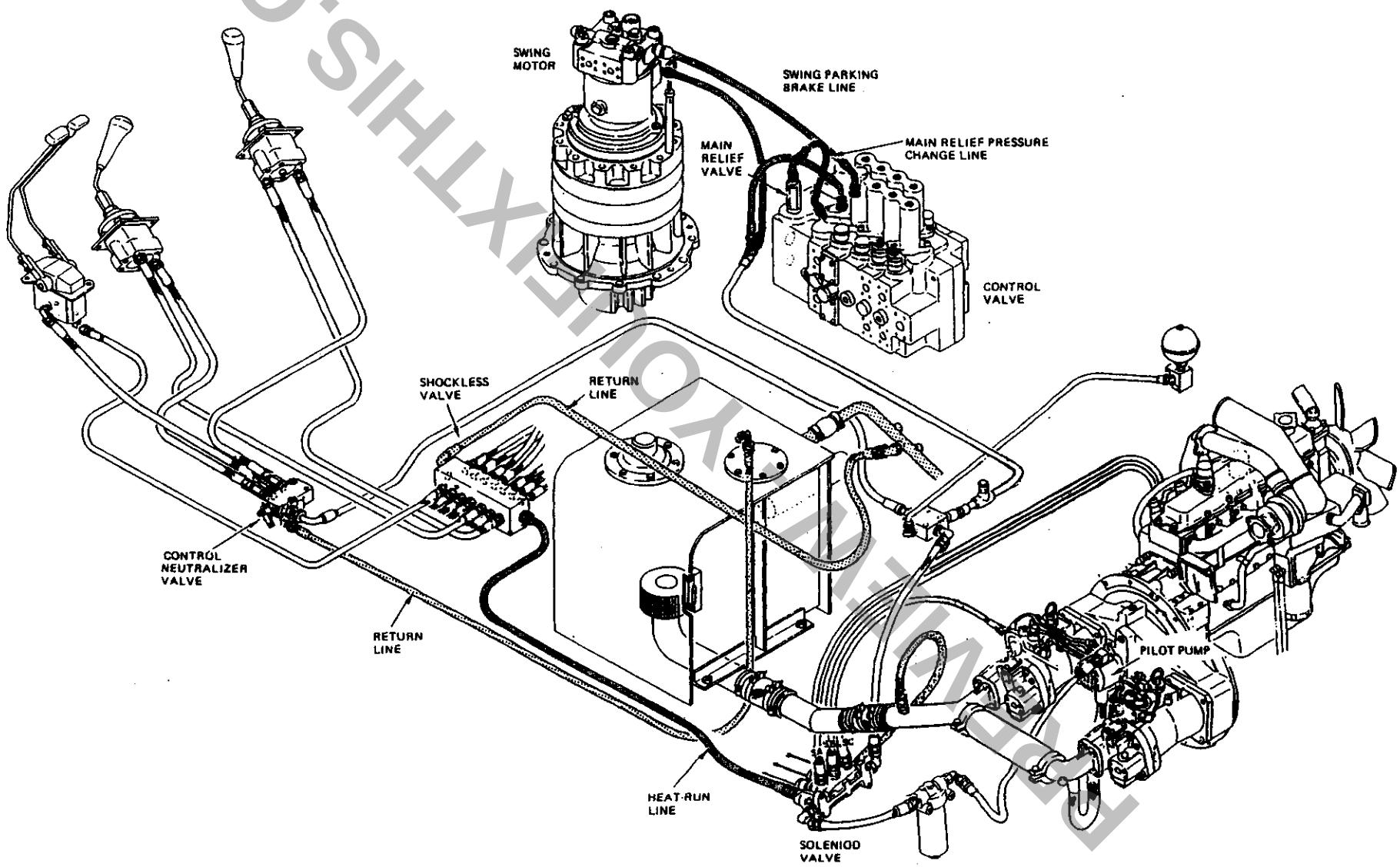
II-1996

ITEM	PART NUMBER	QTY	TR. CO.	DESCRIPTION	DESCRIZIONE
00	**71407937**	1	155P	PUMP - ASS.LY	POMPA - COMPL.
01	**11106434**	2	40V	SCREW 10X1,5X30	VITE 10X1,5X30
02	**10516874**	2	170R	LOCKWASHER 10	ROSETTA ELASTICA 10
03	**11701721**	2	10D	NUT 10	DADO 10
04	**71406175**	1	285T	HOSE	TUBO FLESSIBILE
05	**71425938**	1	285T	HOSE	TUBO FLESSIBILE
06	**79083844**	4	180C	COLLAR	COLLARE
07	**71406178**	1	65F	FILTER	FILTRO
11	**71417801**	2	40V	SCREW	VITE
12	**71417802**	3	170R	LOCKWASHER	ROSETTA ELASTICA
13	**71417803**	1	145R	ROTOR	ROTORE
14	**71417804**	1	150C	KEY	CHIAVE
15	**71417805**	4	60G	IMPELLER	GIRANTE
16	**71417806**	1	300C	BODY	CORPO
17	**71417807**	1	40V	SCREW	VITE
18	**71417808**	2	122G	SEAL	GUARNIZIONE
19	**71417809**	2	20R	FITTING	RACCORDO
20	**71417810**	1	158G	O-RING	GUARNIZIONE O-R
21	**71417811**	1	105P	PLATE	PIASTRA
22	**71417812**	1	137M	ELECTRIC MOTOR	MOTORINO ELETTRICO
23	**71417813**	1	122G	SEAL	GUARNIZIONE
24	**71417814**	1	158G	O-RING	GUARNIZIONE O-R
25	**71417815**	1	75I	SWITCH	INTERRUTTORE
27	**71417817**	2	40V	SCREW	VITE
29	**71417819**	2	170R	LOCKWASHER	ROSETTA ELASTICA
30	**71417820**	1	235C	CONNECTION	CONNESSIONE
31	**71417821**	2	60C	WIRE TERMINAL	CAPOCORDA
32	**71417822**	2	122G	SEAL	GUARNIZIONE
33	**71407938**	1	10V	VALVE	VALVOLA
34	**71403661**	3	231S	CLIP	STAFFETTA
35	**10979234**	3	40V	SCREW 10X1,5X16	VITE 10X1,5X16
36	**14496621**	3	131R	WASHER 10X21	ROSETTA 10X21

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HYDRAULIC SYSTEM

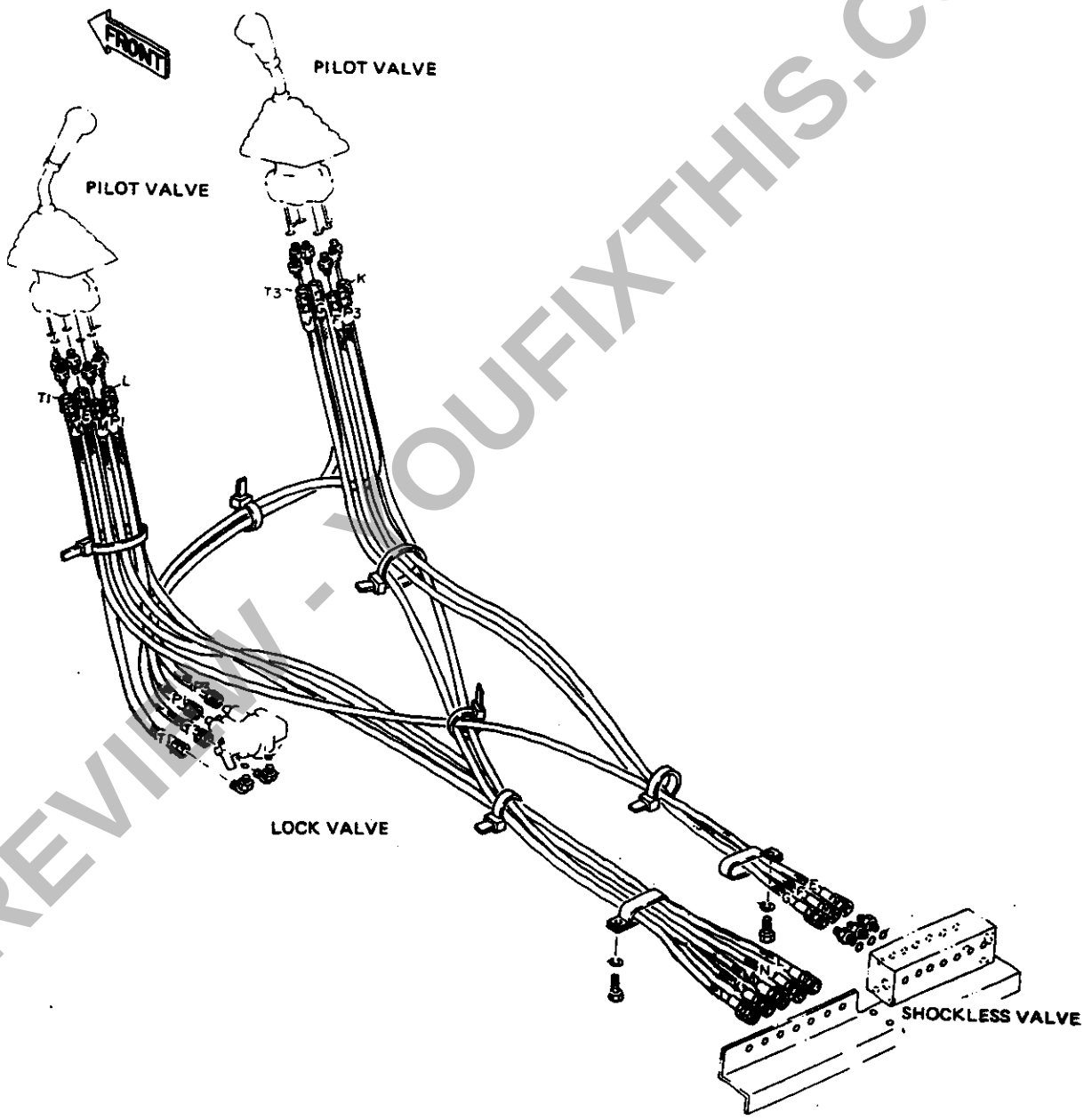


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15.1.5 PILOT PIPING (5)

Pilot piping (5) consists of front pilot valves (R and L) pipings and pipings from pilot valves to shockless valve.



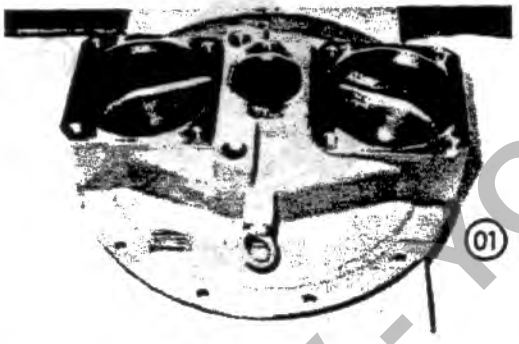
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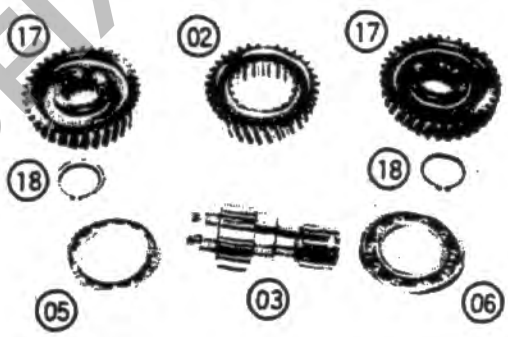
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24 Remove bearing (05) from casing using tool.









2. INSPECTION

Measure back lash of gear.

Standard	Limit of use
0.48 mm	1.5 mm

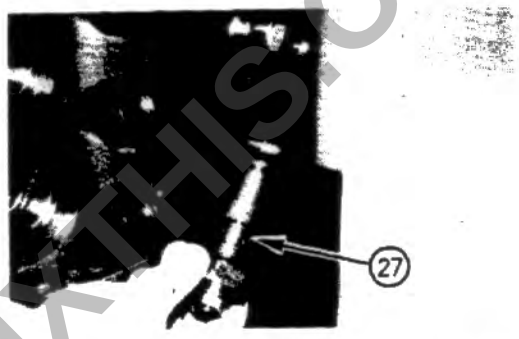
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25 Install the sleeve assembly to the plug assembly.

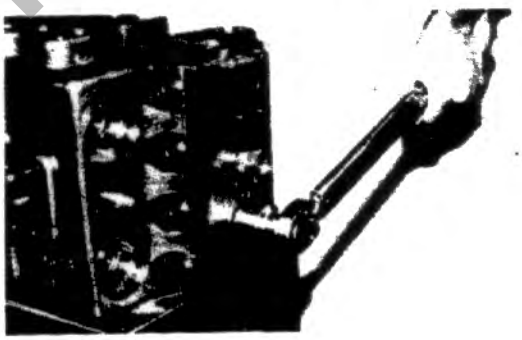


26 Install the main relief valve assembly (Low-set pressure).



27 Tighten the main relief valve assembly (27).

Tightening torque: 8 to 9 kgf.m
(58 to 65 ft.lbs)

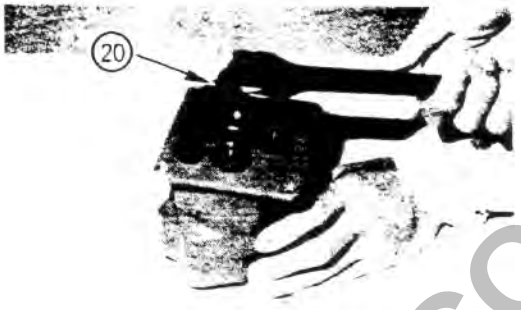


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HV TYPE PILOT VALVE (FOR FRONT)

5 Remove cam (20)



6 Remove universal joint (19).



7 Turn over casing (01).



8 Remove socket bolt (18).



9 Remove plate (16) with bolt (M16 x 2).



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MODE SELECTION CYLINDER

1. DISASSEMBLY

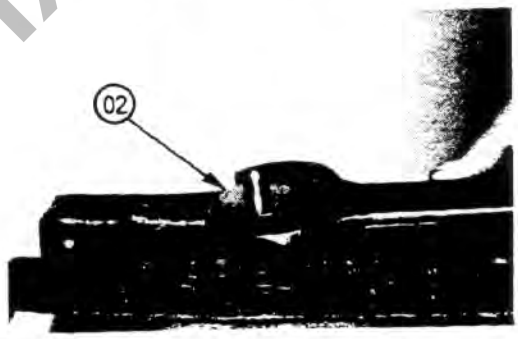


Note: Before disassembling clean the cylinder assembly.

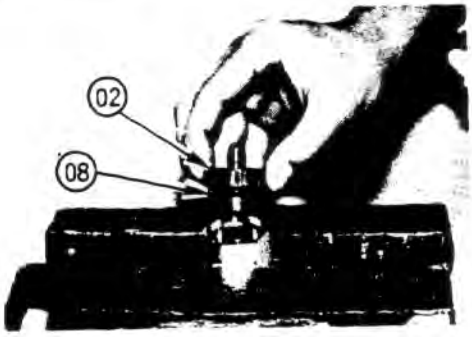
1 Hold cylinder assembly by a vice.



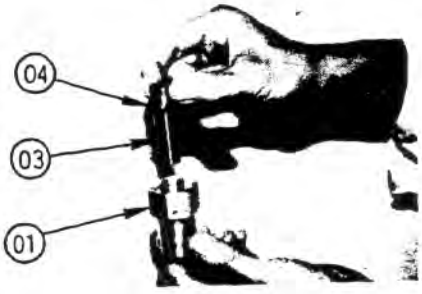
2 Remove nipple (02).



3 Remove O-ring (08) from nipple (02).



4 Remove piston rod (03) and washer (04) from plug (01).



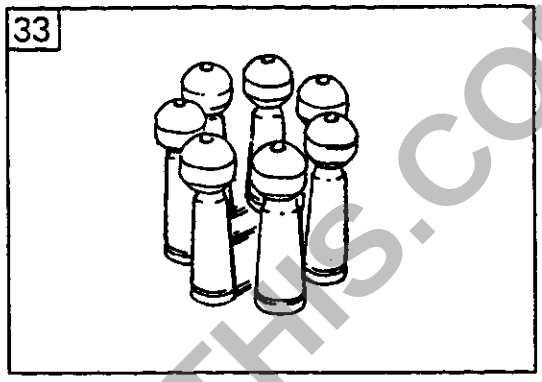
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Rotary group - Assembly

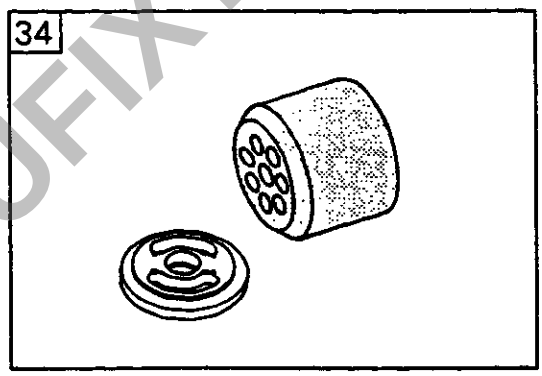
Only exchange piston ad a complete set. When changing other components, re - calibration is required.

33



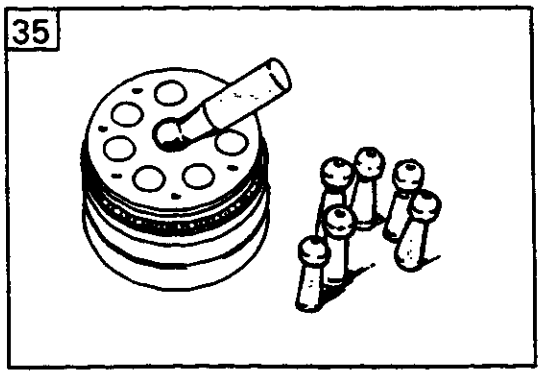
Exchange cylinder block and control plate as a pair.

34



Insert centre pin with retaining ring.
Correctly fit retaining plate.

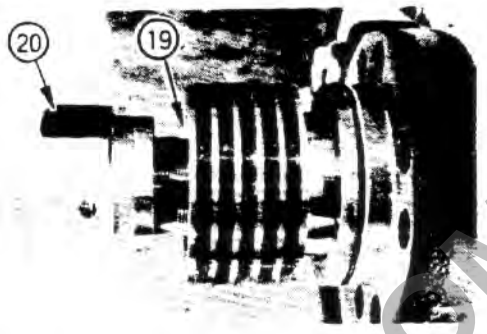
35



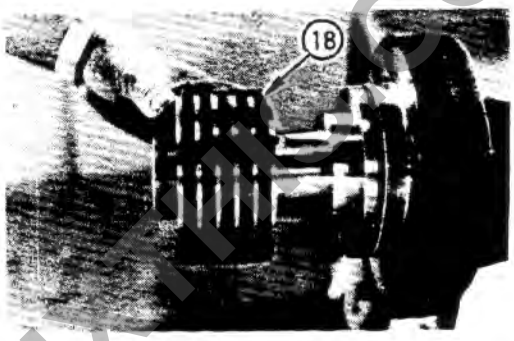
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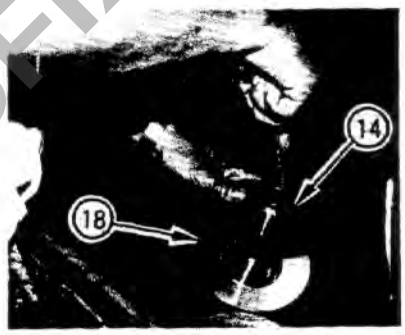
10 Remove piston nut (20) and shim from rod (19).



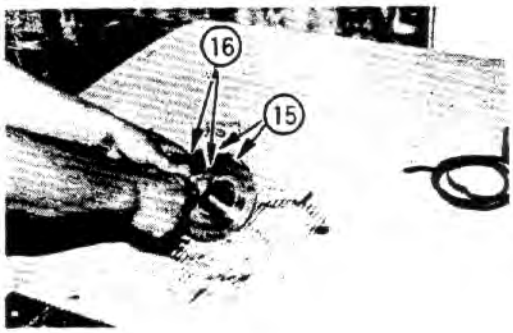
11 Remove piston (18) from the rod.



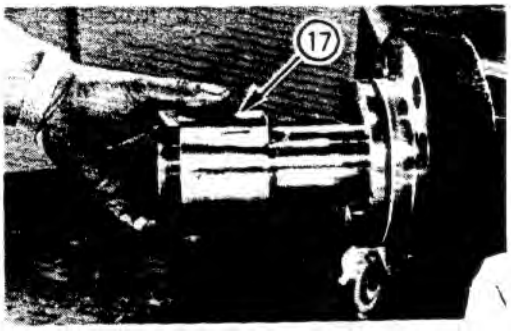
12 Cut seal ring (14) on the piston (18).



13 Remove the four slide rings (15) (16) from the piston.



14 Remove the brake bushing (17) from the rod.



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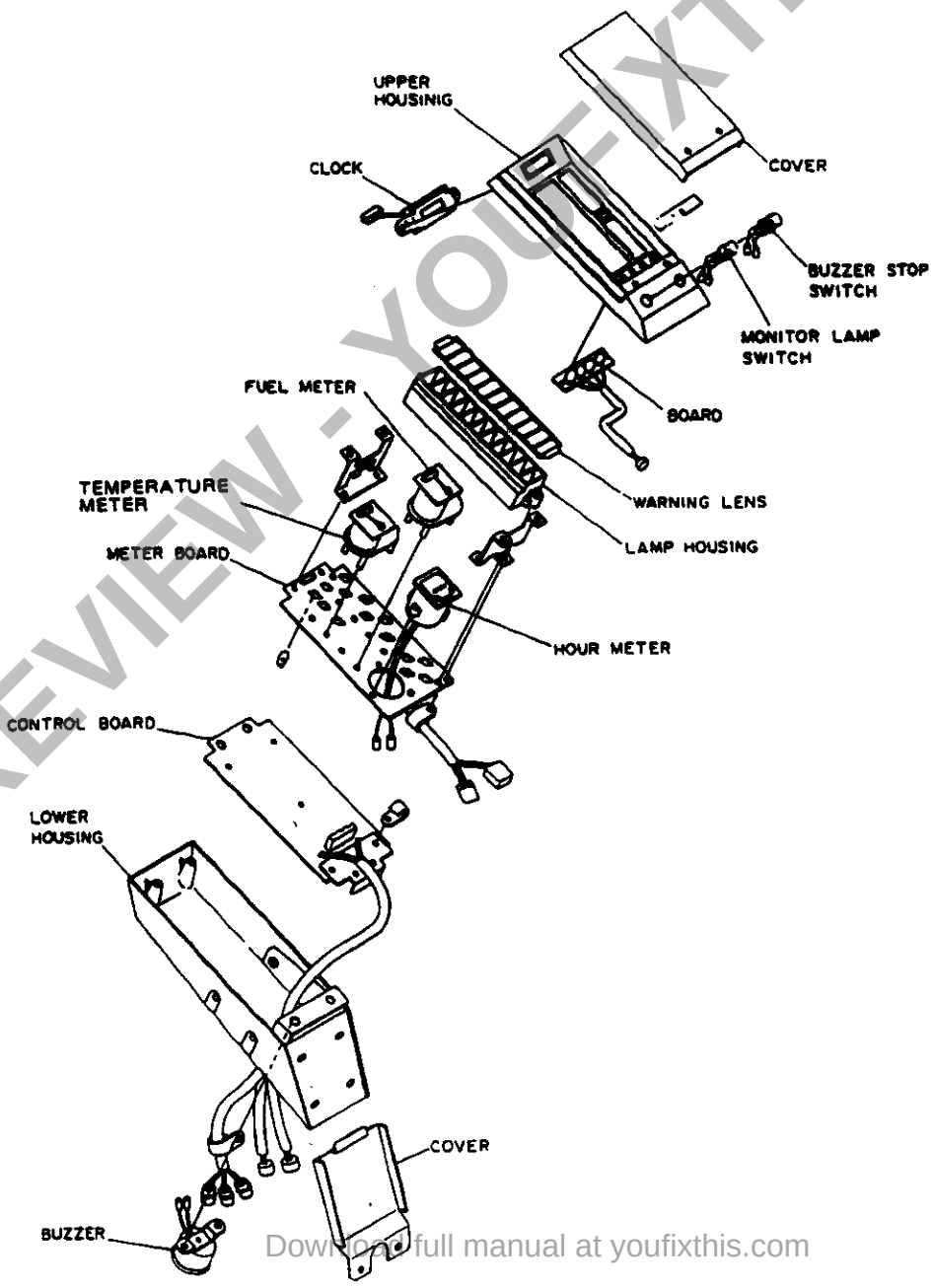
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2. MONITOR

2.1 OUTLINE

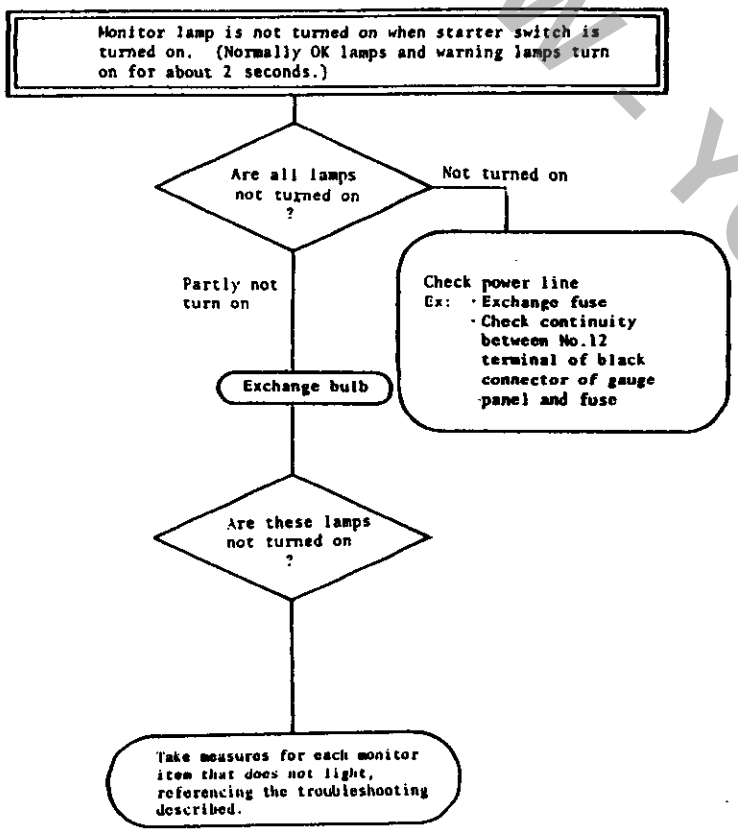
To operate the machine safely, the operator should have a thorough understanding of the machine condition. However, the operator may overlook some abnormality of the machine while concentrating on the job.
To allow the operator to become aware of abnormality of the machine as early as possible, various gauges and alarm devices are provided. "MONITOR" (monitoring system of operating conditions) is a general term for these things.

(1) Gauge Panel



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7 MONITOR LAMP BULB CHECKING FOR BURN OUT



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