

SECTION I

VEHICLES

B15-3

B17-3

B15-3_{EX}

B18_{EX}



AMMANN YANMAR

MODELS

B15-3
B17-3
B15-3Ex
B18Ex

SECTION I CONTENTS

(VEHICLE)

P/C No :
Y00BM010
Issued :
March 2003

Fig No (link to .gif)	GROUP NAME (link to .xls)	P/C previous No Y00BK010		
<u>1</u>	LABEL CABIN			
<u>2</u>	LABEL CANOPY			
<u>3</u>	AIR CLEANER & SILENCER			
<u>4</u>	ACCELERATOR			
<u>5</u>	ENGINE MOUNT			
<u>6</u>	RADIATOR & MOUNT			
<u>7</u>	FUEL TANK & FUEL LINE			
<u>8</u>	BATTERY			
<u>9</u>	ELECTRIC PART (WIRING)			
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<u>34</u>	EXTAND CYLINDER	New		
<u>35</u>	DRIVING MOTOR			
<u>36</u>	TURNING MOTOR			



MODELS

B15-3

B17-3

B15-3Ex

B18Ex

SECTION I

CONTENTS

(VEHICLE)

P/C No :
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PICTURESQUE INDEX

LABELS
Fig 1&2

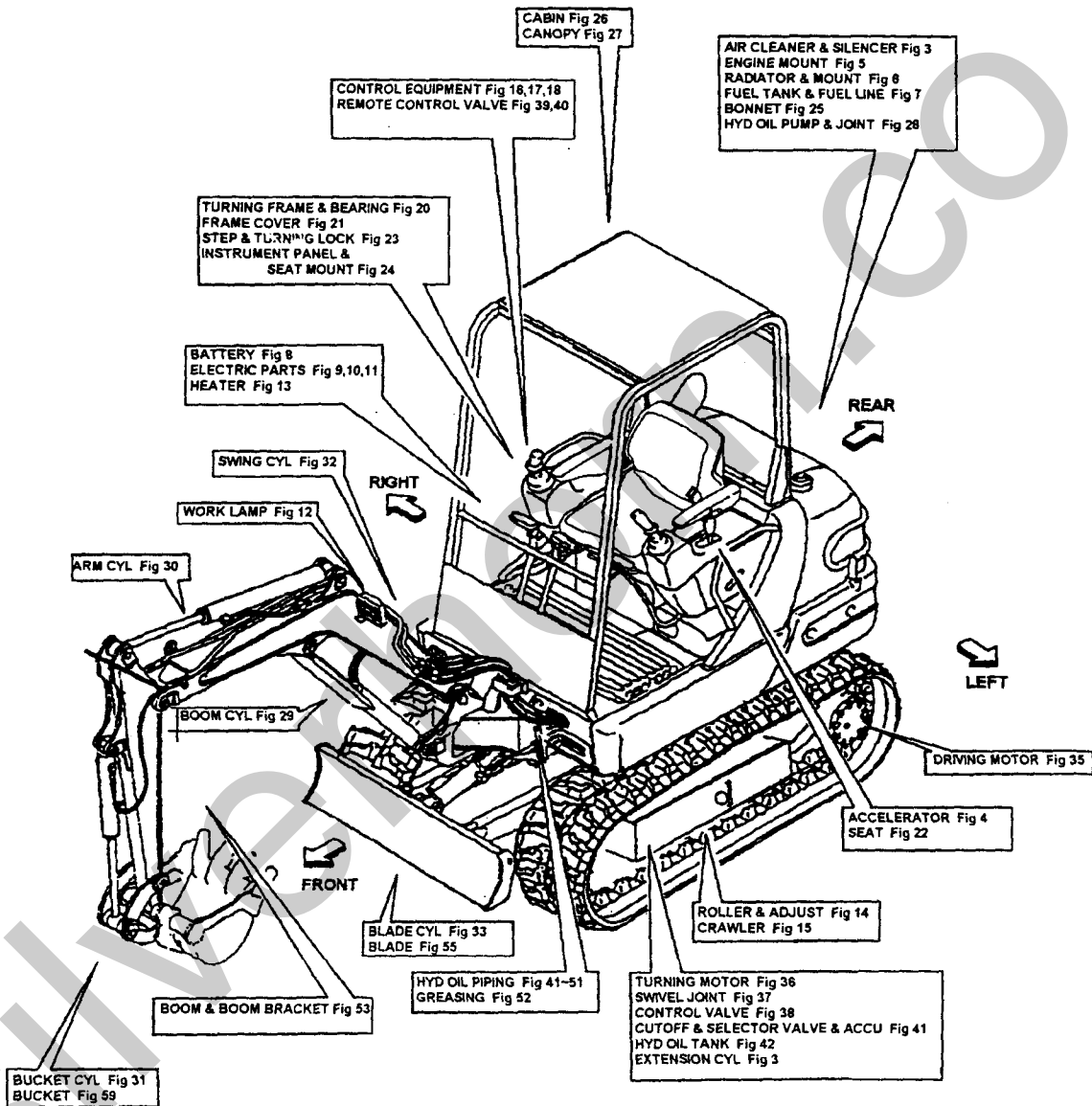


Fig 1 LABEL CABIN

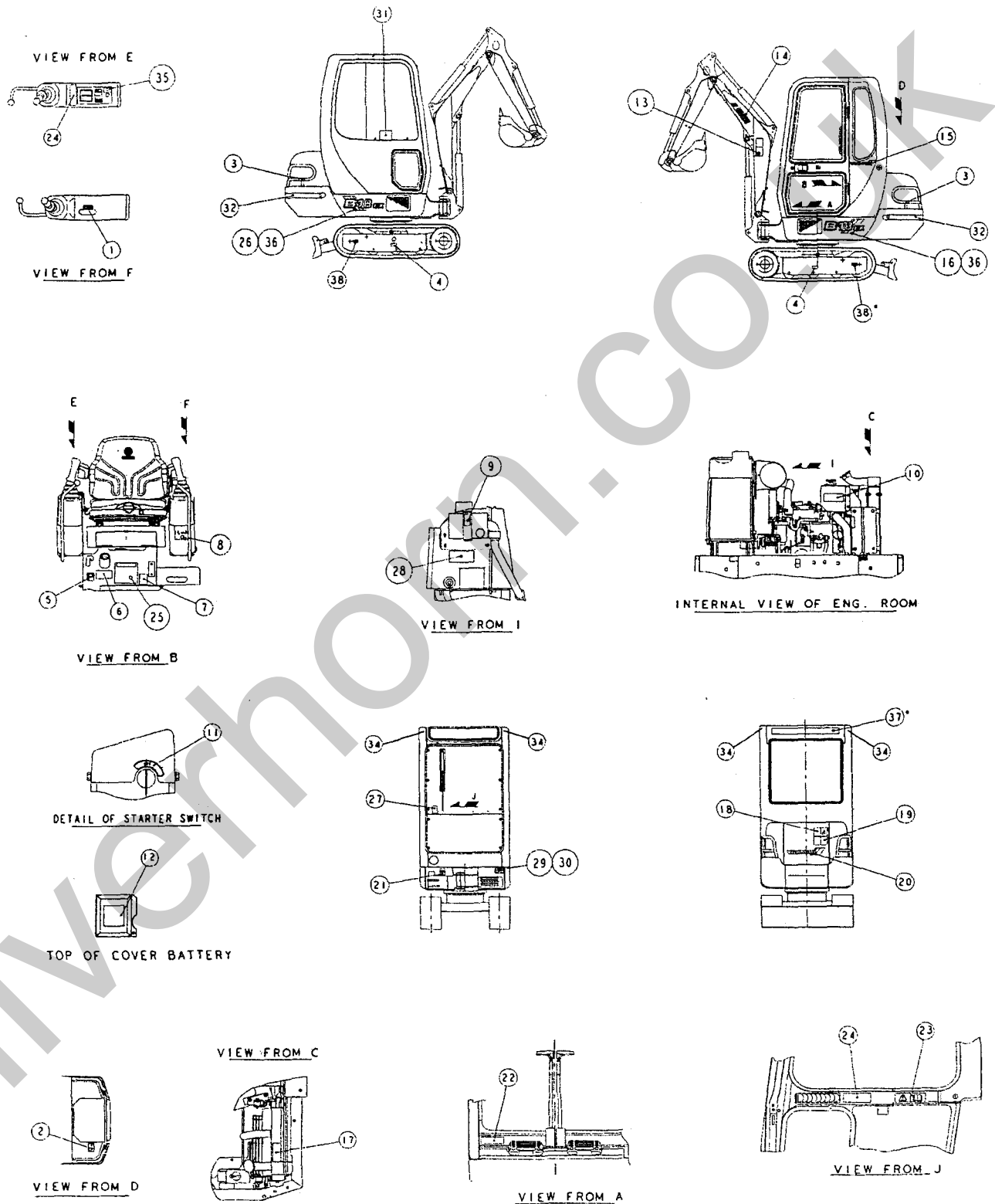


Fig 1 LABEL CABIN

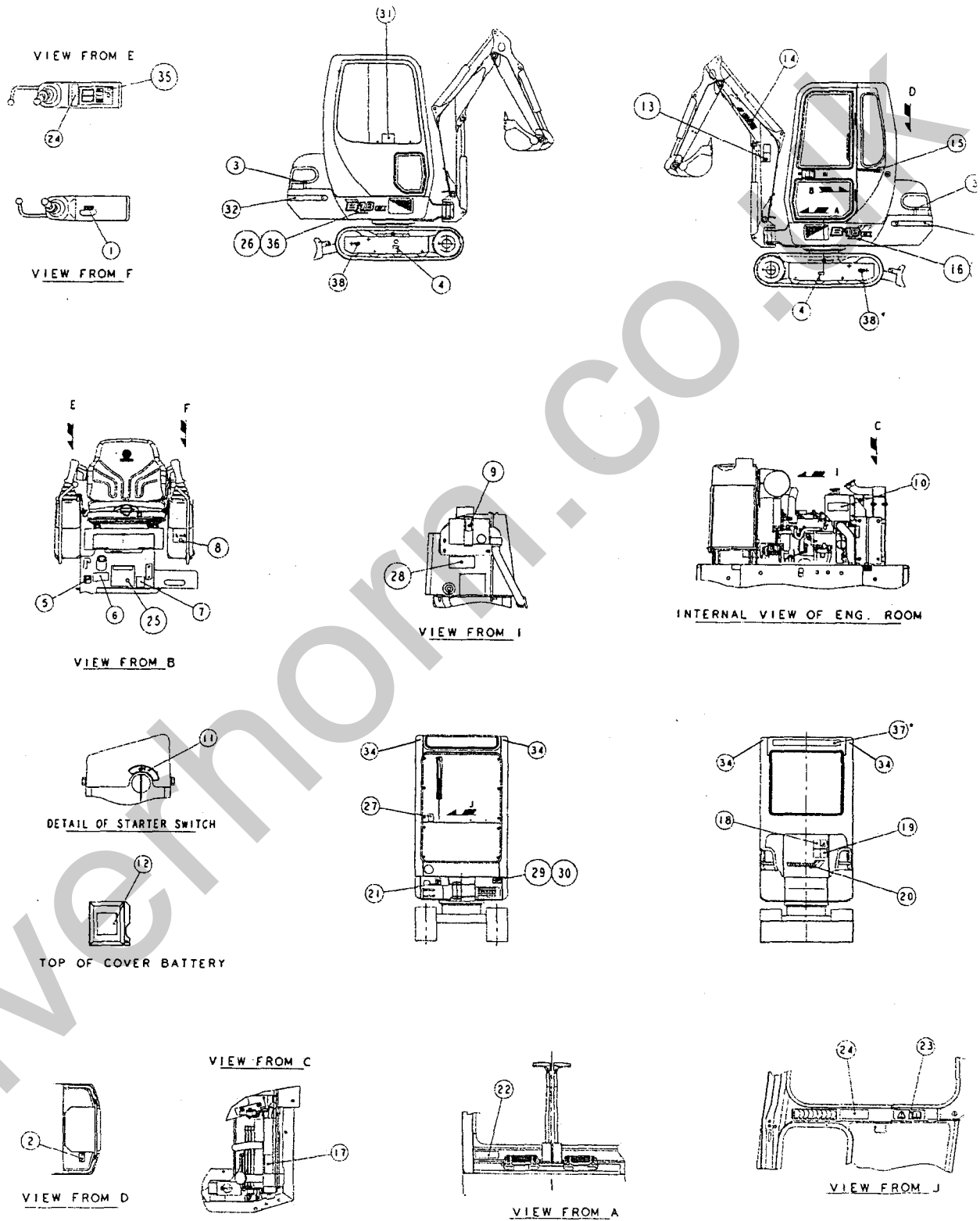
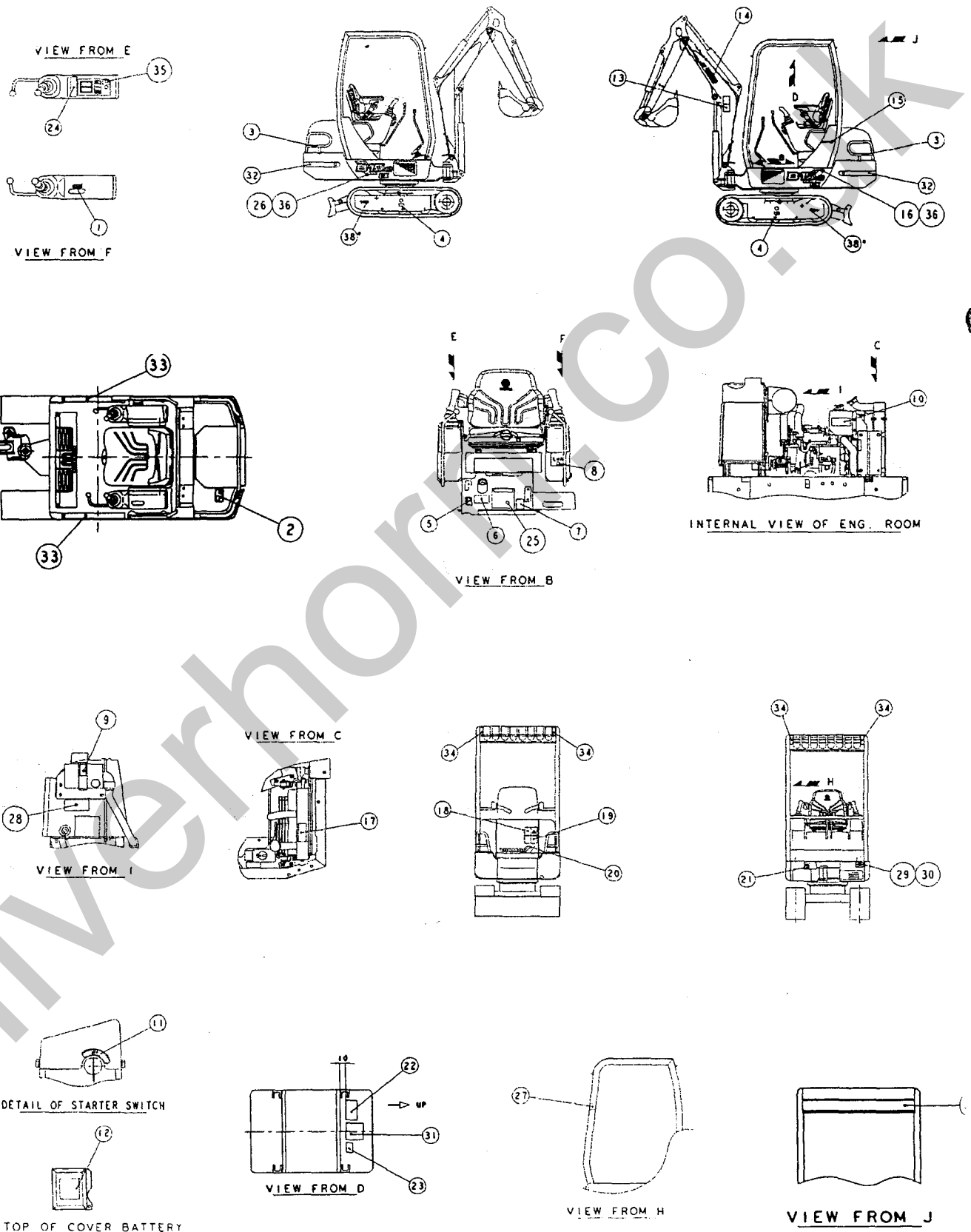


Fig 2 LABEL CANOPY



B	B15CR-3	C	B17CR-3
B	B15PR-3	D	B17CR-3
E	B15CRE-3	G	B18CRE
F	B15PRE-3	H	B18PRE

Fig	I	Rep	L	o	PN	Designation	A	B	C	D	E	F	G	H	I	Rq
2		1	.		172451-03200	ACCELERATOR		1		1		1		1		
2		2	.		172441-03240	FUEL		1		1		1		1		
2		3	.		172194-03290	PROTECTOR		2		2		2		2		
2		4	.		172441-03050	PLUG		2		2		2		2		
2		5	.		172179-03160	SWING LOCK		1		1		1		1		
2		6	.		172441-03041	OIL HYDRAULIC		1		1		1		1		
2		7	.		172451-03400	PTO SELECT		1		1		1		1		
2		8	.		172AYW-03460	LWA 96		1		1		1		1		
2		9	.		172441-03251	AIR-CLEANER		1		1		1		1		
2		10	.		172441-03271	SUB-TANK		1		1		1		1		
2		11	.		172161-03360	STARTER		1		1		1		1		
2		12	.		172451-03000	GREASE GENERAL		1		1						
2		12	.		172464-03000	GREASE GENERAL						1		1		
2		13	.		172194-03620	BOOM		1		1		1		1		
2		14	.		172159-03241	BOOM L (AYR)		1		1		1		1		
2		15	.		172174-03290	CAB		1		1		1		1		
2		16	.		172451-03210	B15 (LH)		1				1				
2		16	.		172451-03530	B17 (LH)				1						
2		16	.		172464-03210	B18 (LH)								1		
2		17	.		172441-03170	RADIATOR		1		1		1		1		
2		18	.		172194-03600	HAZARD		1		1		1		1		
2		19	.		172441-03210	ENG-COVER		1		1		1		1		
2		20	.		172180-03170	REAR YANMAR		1		1		1		1		
2		21	.		172451-03010	GREASE		1		1		1		1		
2		22	.		172451-03090	SPECIFICATION		1								
2		22	.		172464-03081	SPECIFICATION						1				
2		22	.		172451-03080	SPECIFICATION				1						
2		22	.		172464-03090	SPECIFICATION								1		
2		23	.		172187-03610	MANUAL		1		1		1		1		
2		24	.		172159-03290	RESTART F-D		1		1		1		1		
2		24	.		172143-03185	RESTART GB- NL		1		1		1		1		
2		24	.		172143-03188	RESTART I- SP		1		1		1		1		
2		24	.		172143-03188	RESTART DK		1								
2		24	.		172441-03290	RESTART DK				1		1		1		
2		25	.		172451-03140	OIL+WATER F-D		1		1						
2		25	.		172464-03140	OIL+WATER F-D						1		1		
2		25	.		172451-03130	OIL+WATER GB- NL		1		1						
2		25	.		172464-03130	OIL+WATER GB- NL						1		1		
2		25	.		172451-03160	OIL+WATER I- SP		1		1						
2		25	.		172464-03160	OIL+WATER I- SP						1		1		
2		25	.		172451-03150	OIL+WATER DK		1		1						
2		25	.		172464-03150	OIL+WATER DK						1		1		
2		26	.		172451-03220	B15 (RH)		1				1				
2		26	.		172451-03540	B17 (RH)				1						
2		26	.		172464-03220	B18 (RH)								1		
2		27	.		172451-03410	RISK		1		1		1		1		
2		28	.		172441-03231	ENG-ROOM C		1		1		1		1		
2		29	.		172451-03100	VEHICLE F- D- GB		1								

Fig 2 LABEL CANOPY

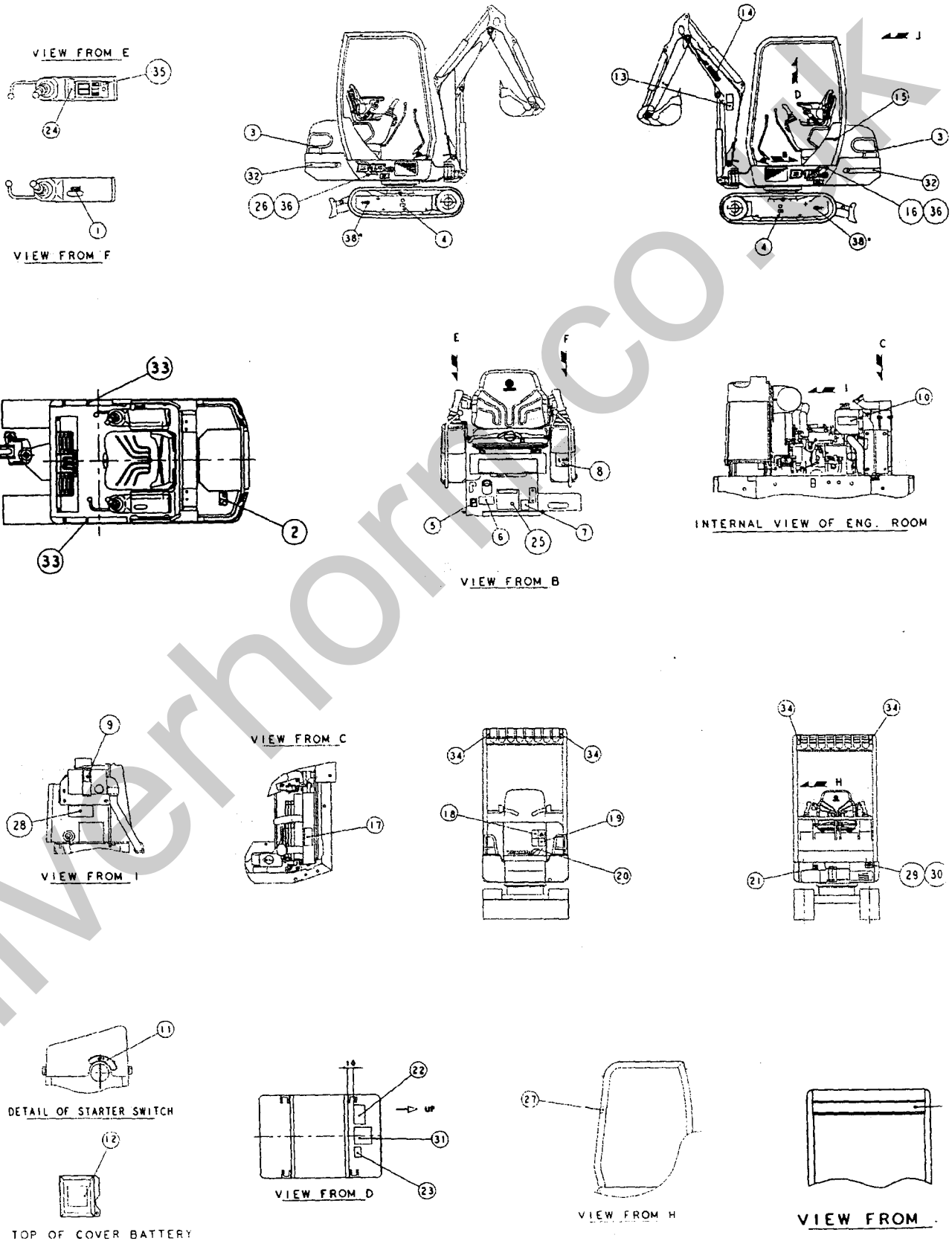
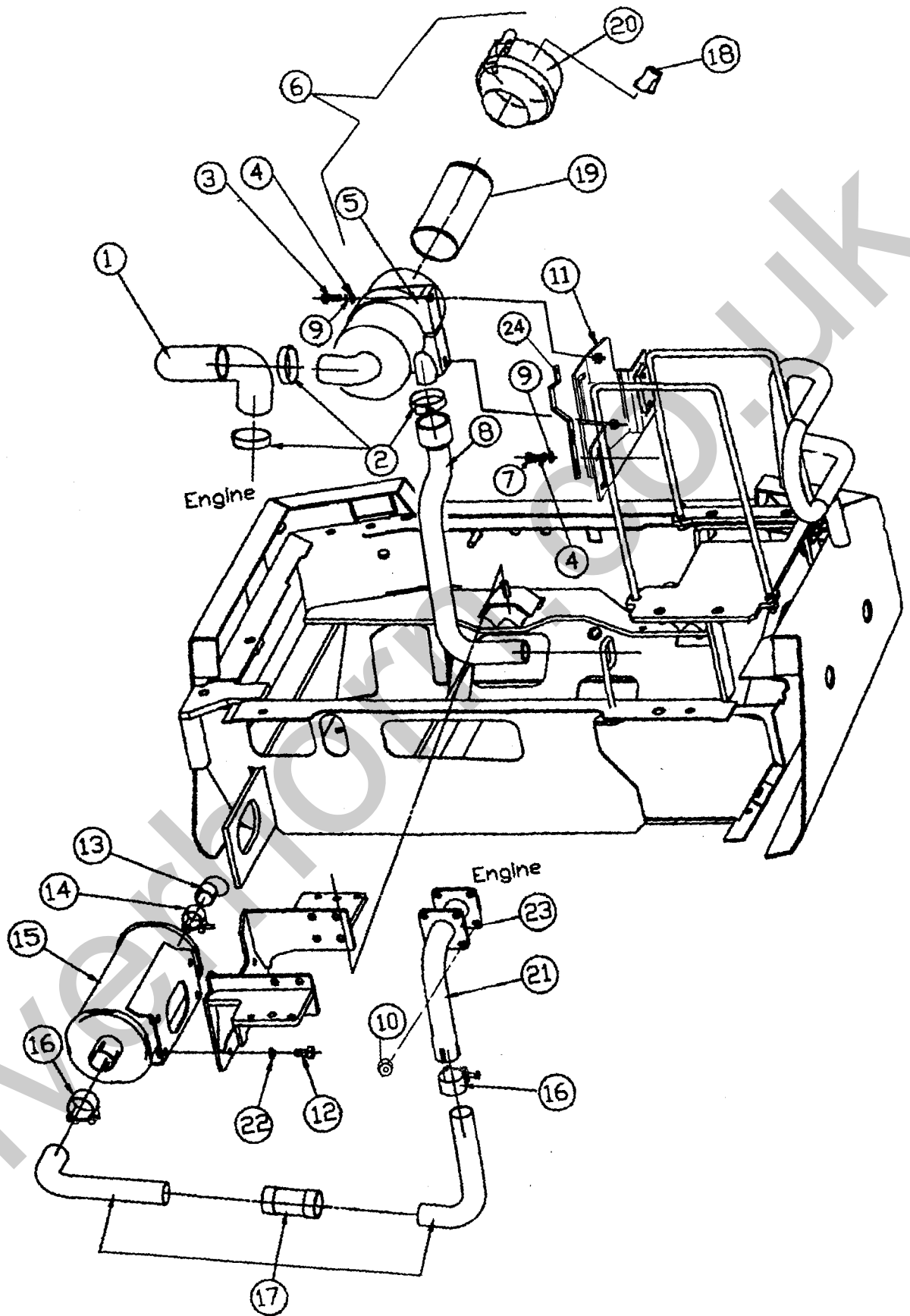


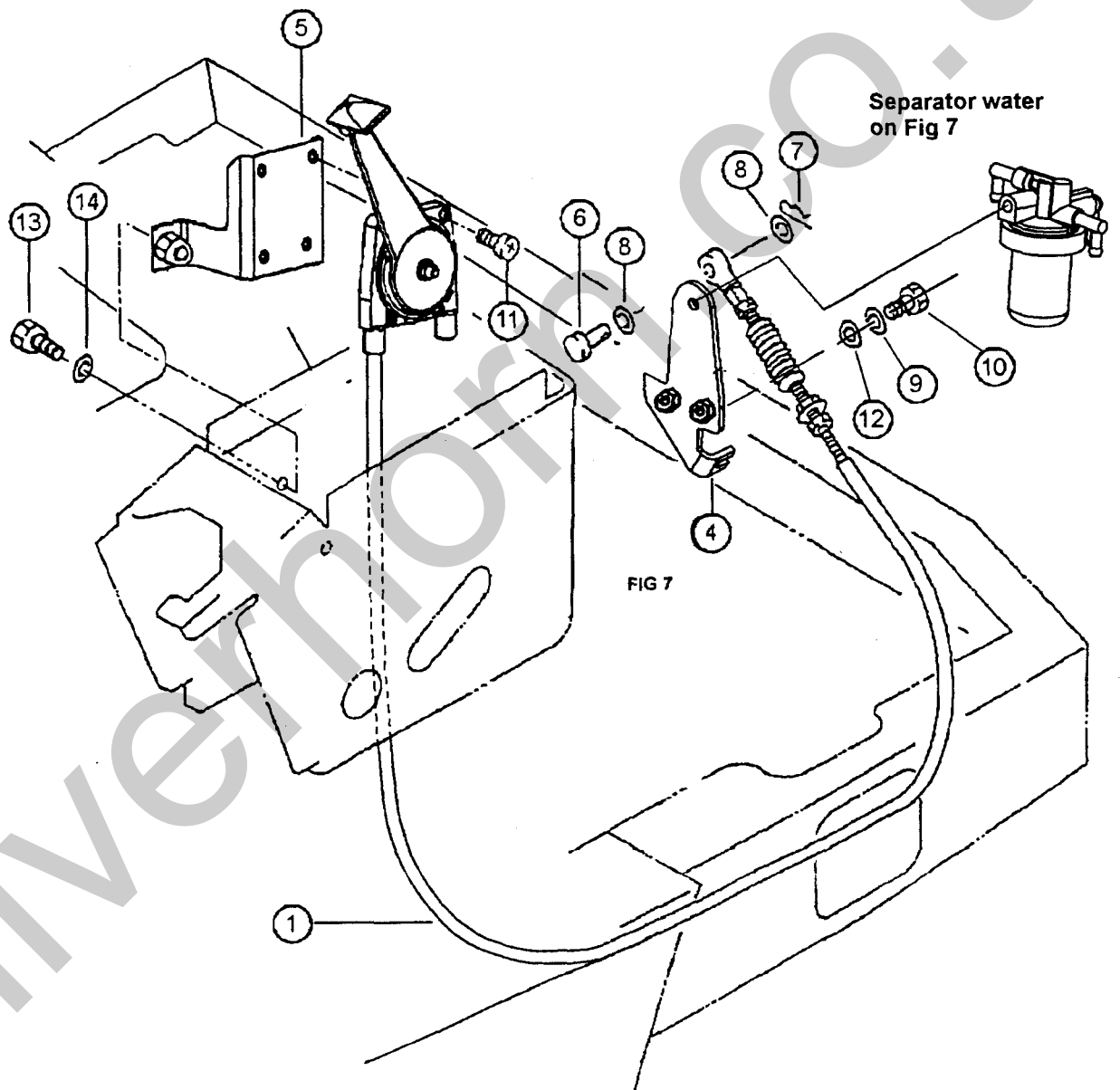
Fig 3 AIR CLEANER & SILENCER



(2) STRAIGHT EXIT TUBE MOUNTED WITH NEW RIGHT WEIGHT (Fig. 20-1 & 20-2)

Silverhorn.co.uk

Fig 4 ACCELERATOR



[illegible]

(1) NEW ENGINE (see figure 7)

Fig 5 ENGINE MOUNT

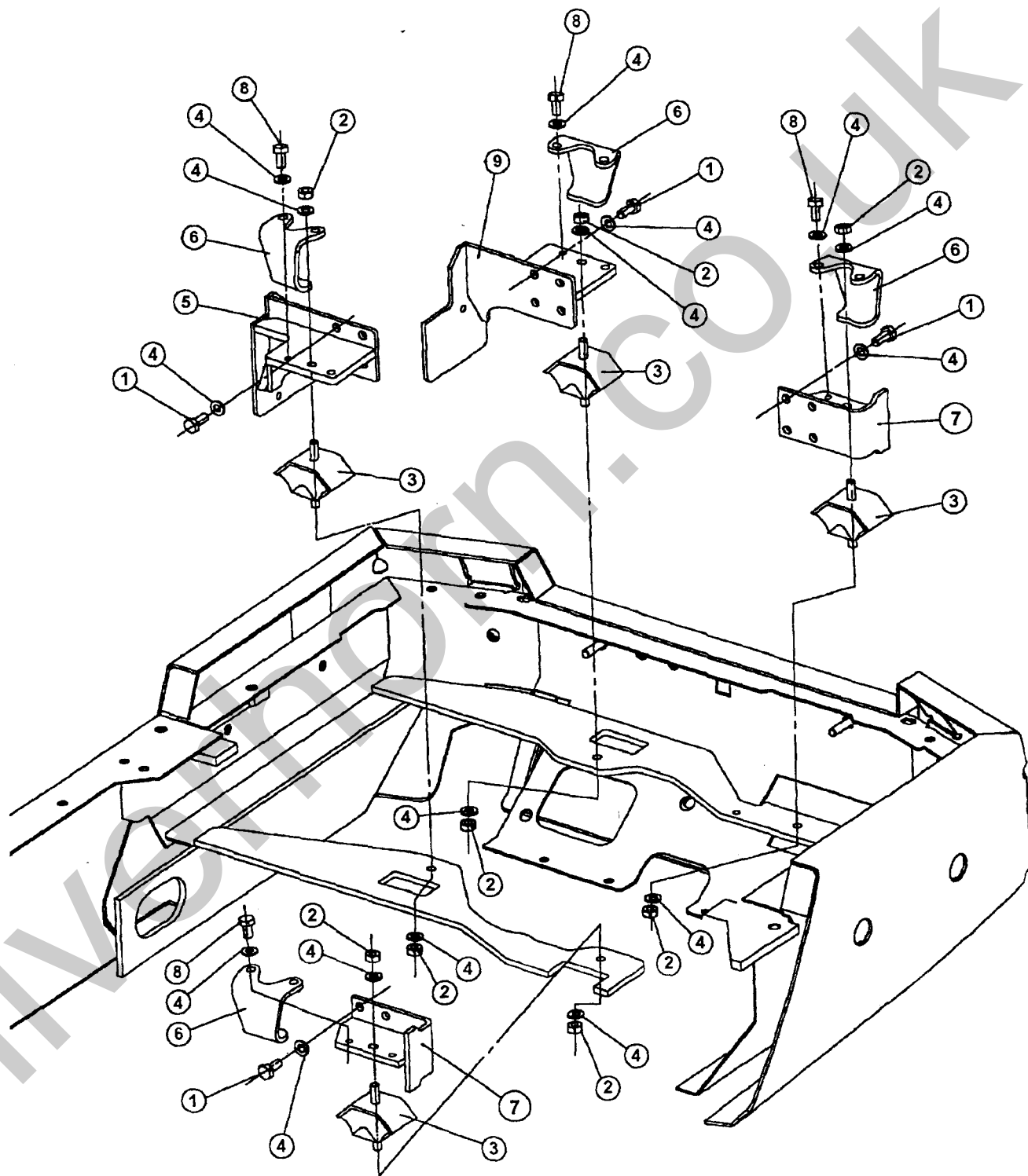
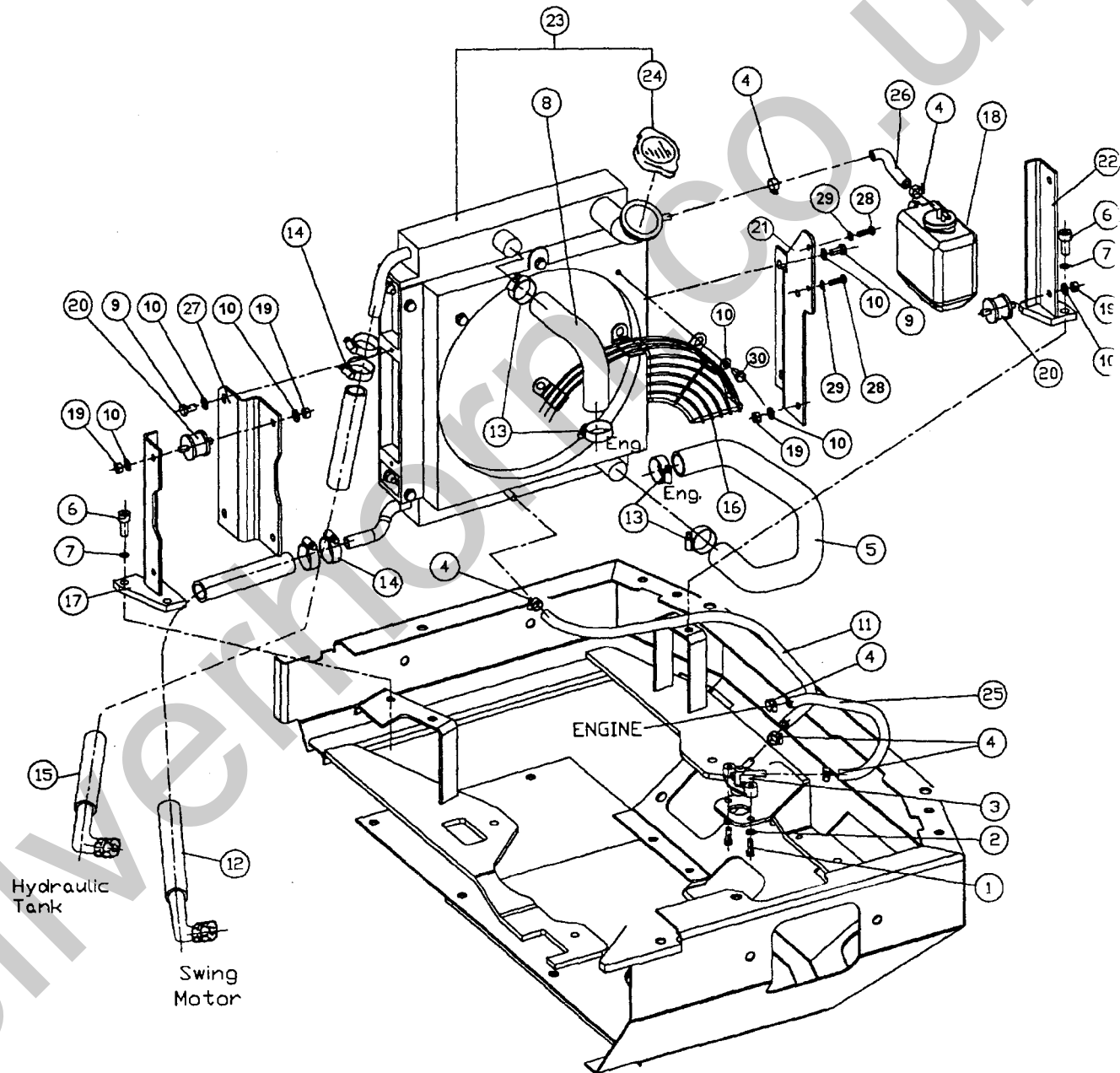


Fig 6 RADIATOR AND MOUNT



RADIATOR &

S	B15PR-3	D	B17CRE
E	B15CRE-3	G	B18CRE
F	B15PRE-3	H	B18PRE

[illegible]

FIG 4

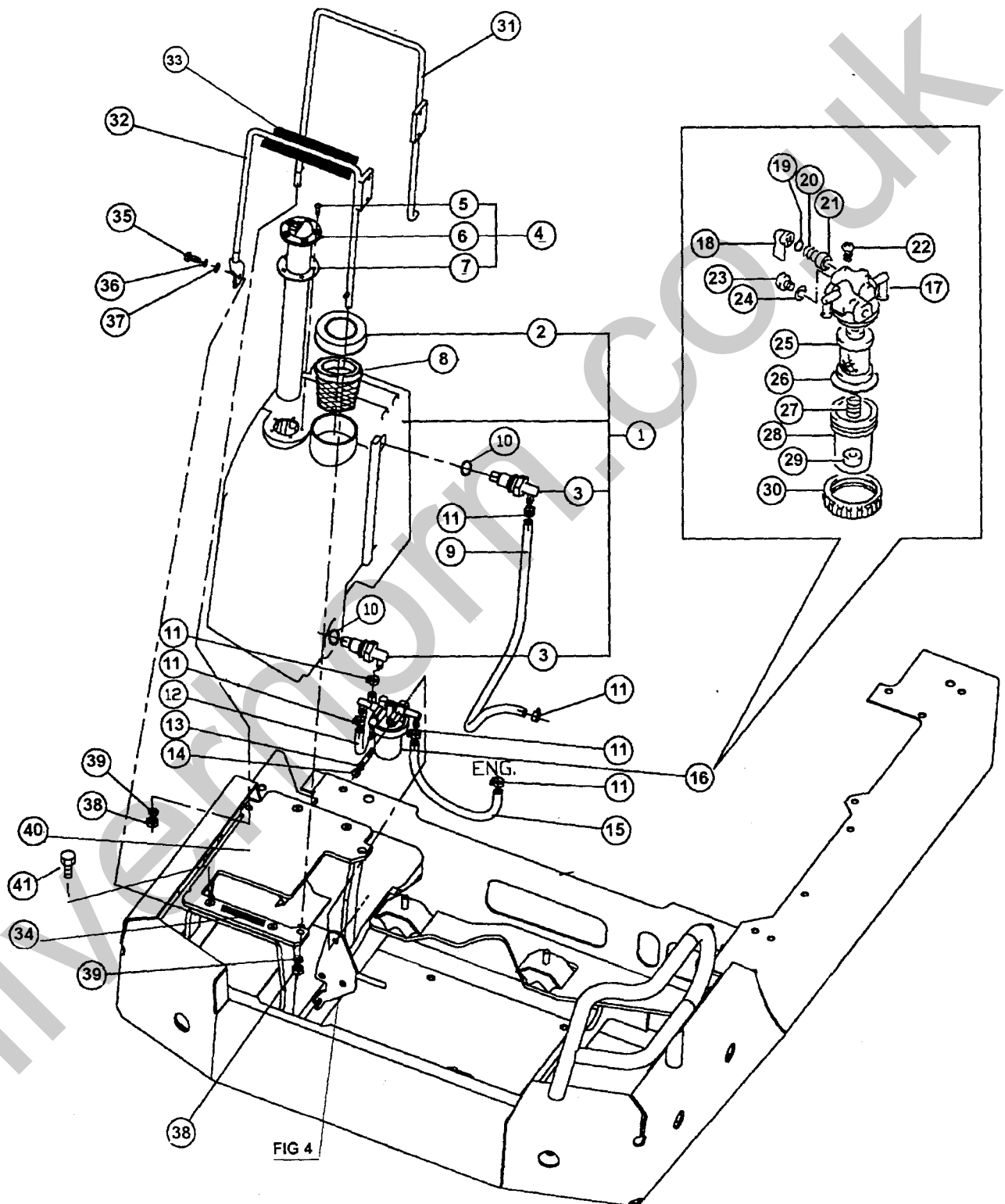
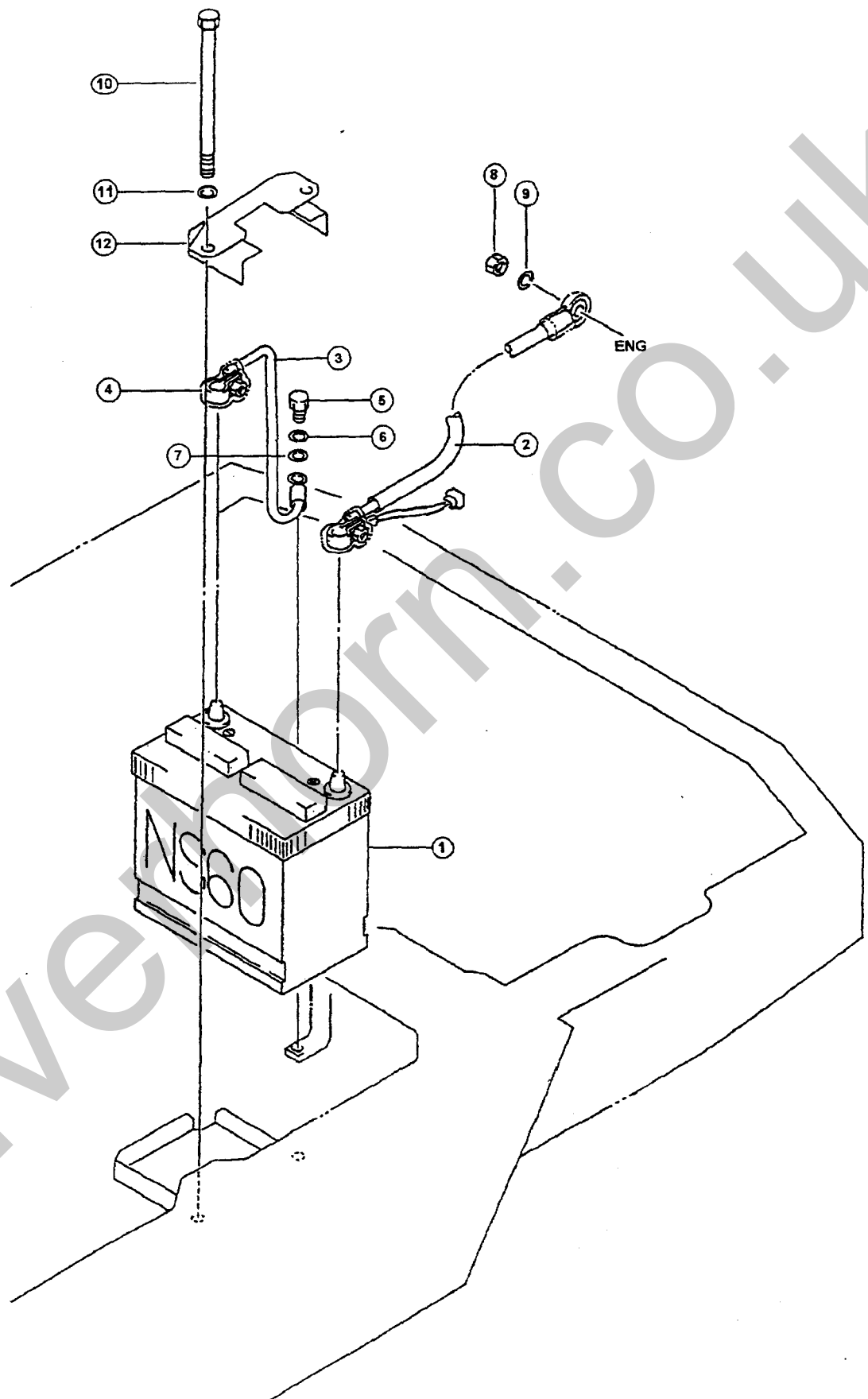
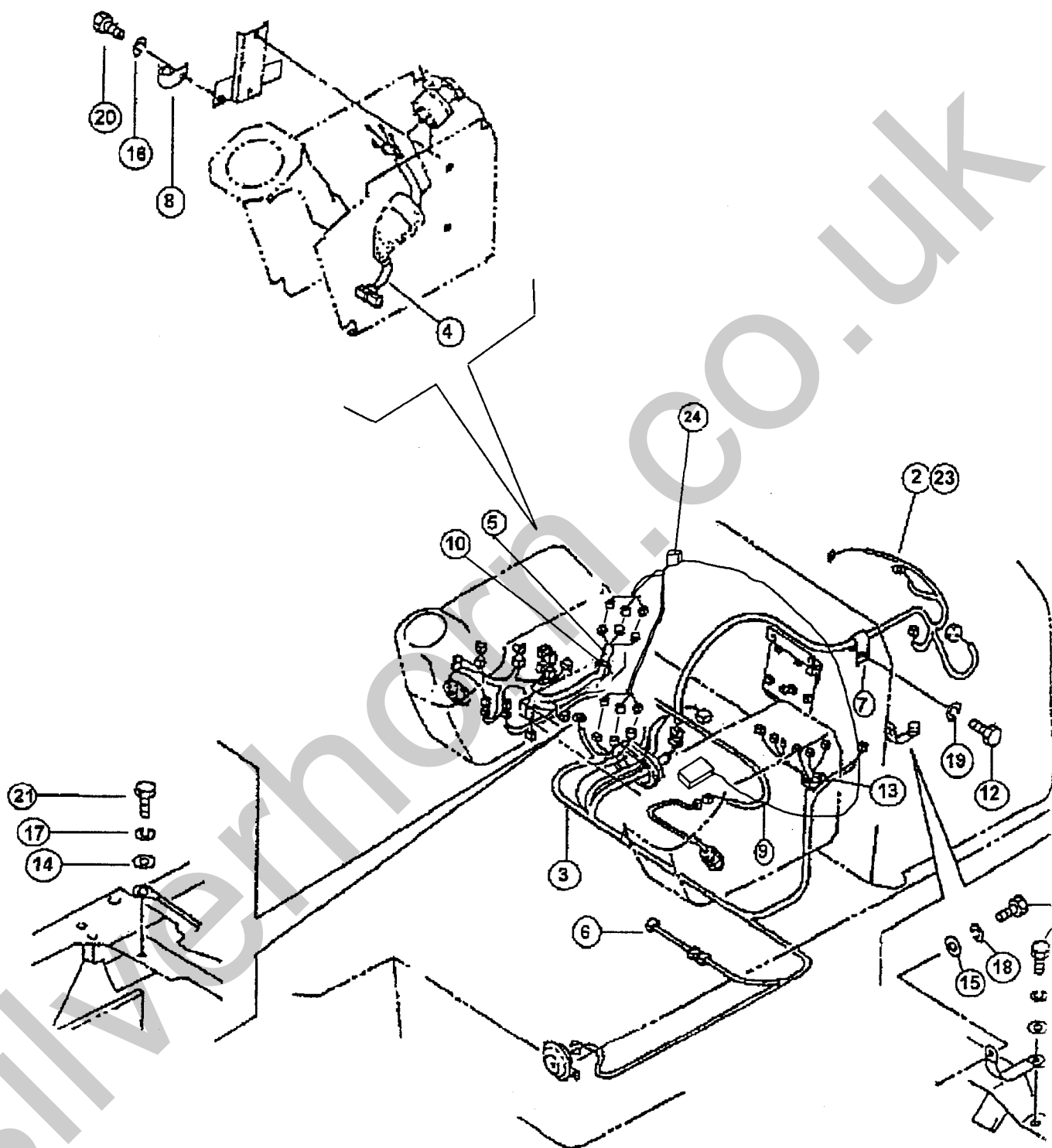


Fig 8 BATTERY



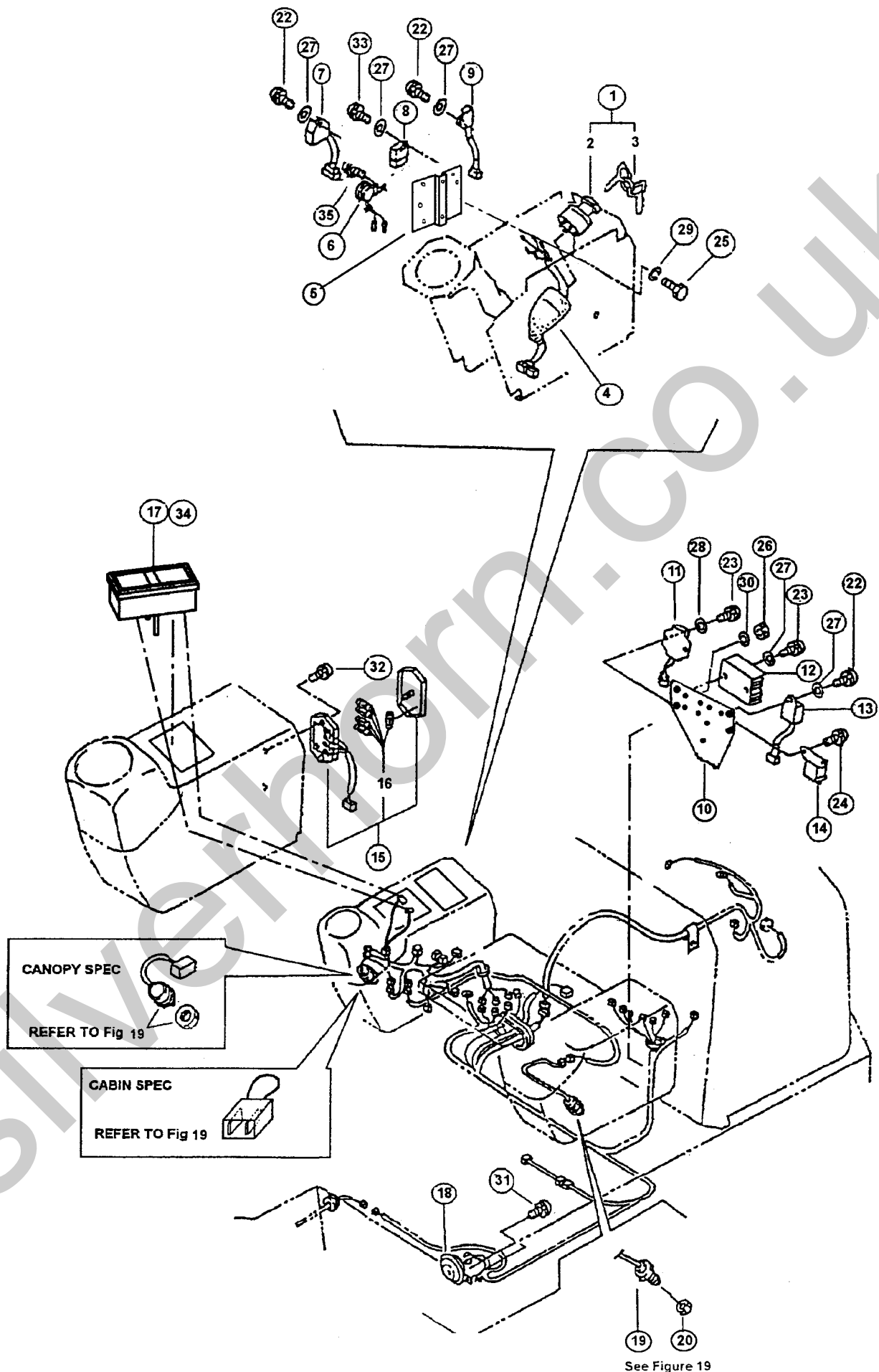
E	B15PR-3	D	B17DR-3
E	B15ORE-3	G	B18ORE
F	B15PRE-3	H	B18PRE

Fig 9 ELECTRIC PART(WIRING)



(1)	CUT-OFF VALVE MOVED FROM REAR LEFT TO FRONT RIGHT OF MACHINE.
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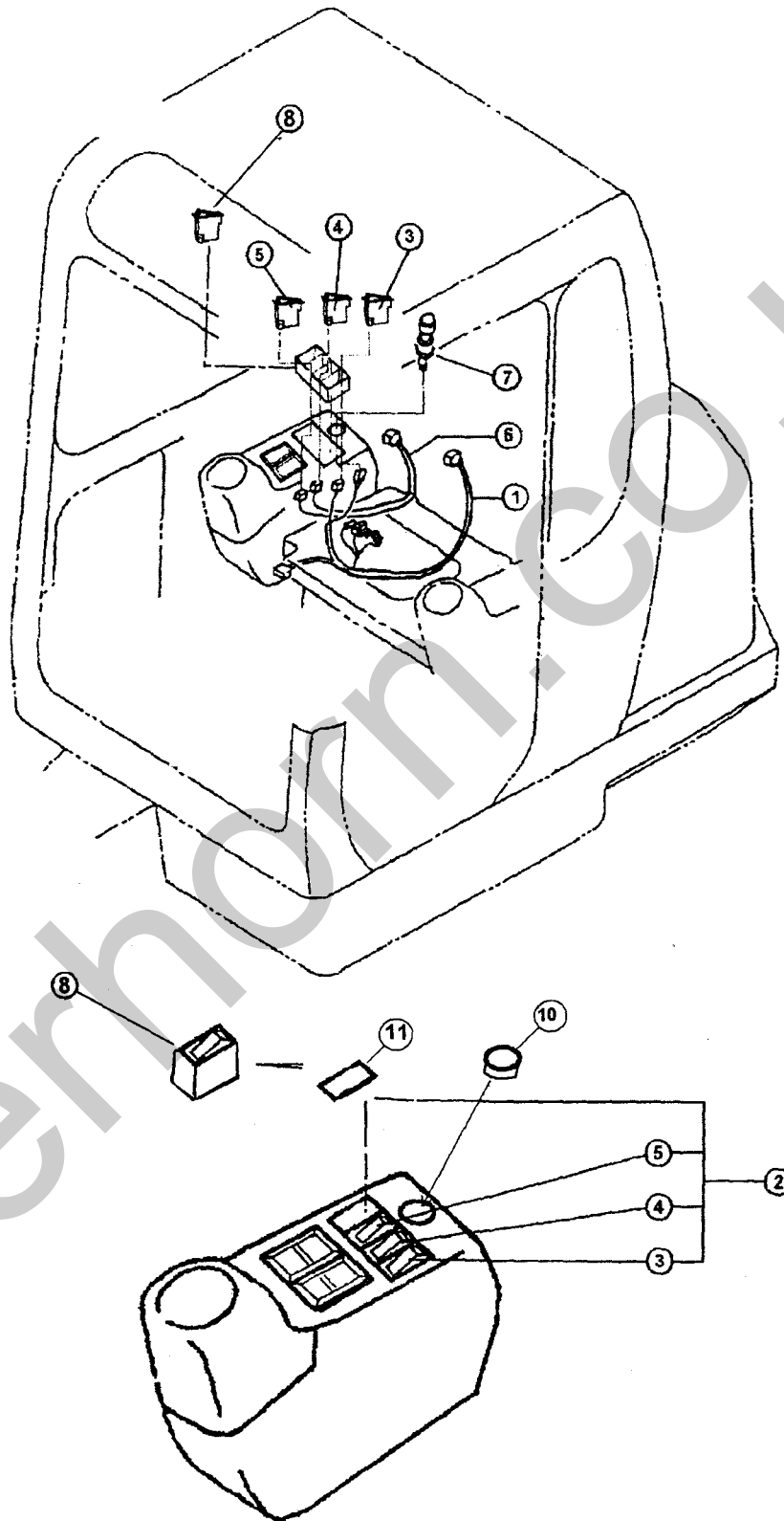
Fig 10 ELECTRIC PART (EQUIPMENT:CABIN,CANOPY)



A	B15CR-3		
B	B15PR-3		
E	B15CRE-3	G	B15CRE
F	B15PRE-3	H	B15PRE

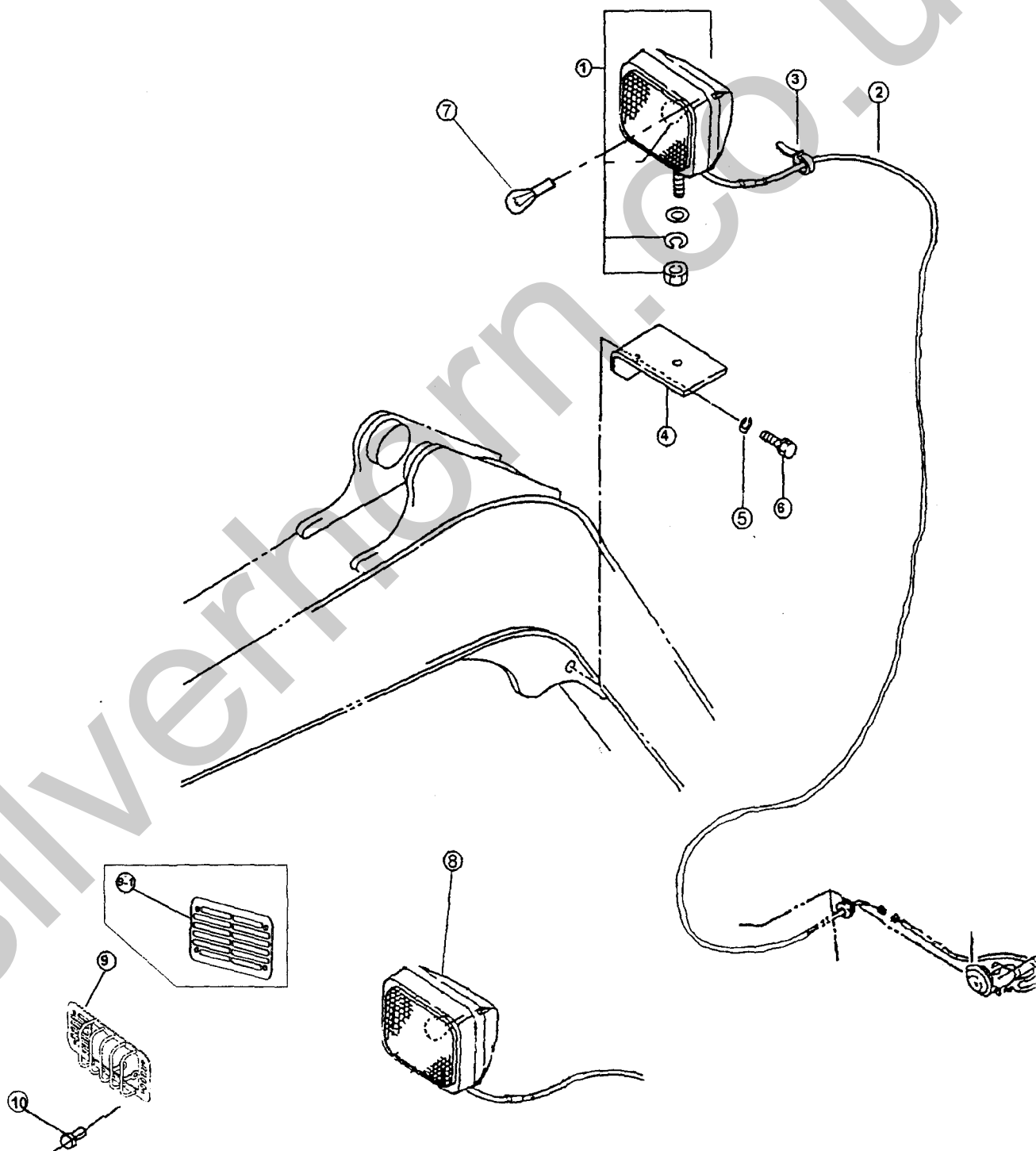
[illegible]

Fig 11 ELECTRIC PART



B15DCR-3	C	B17DCR	
B15SPR-3	D	B17CPR	
E	B15CRE-3	G	B18CRE
F	B15PRE-3	H	B18PRE

Fig 12 WORK LAMP



[illegible]

Fig 13 HEATER

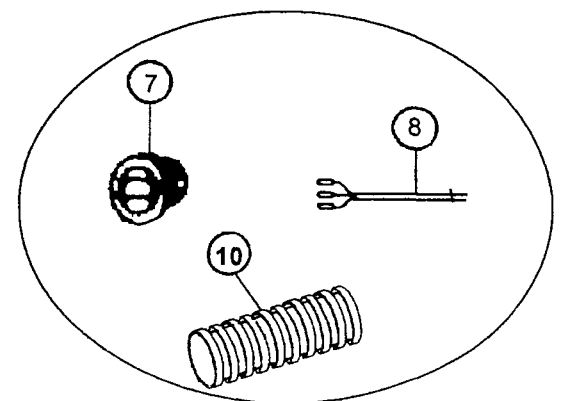
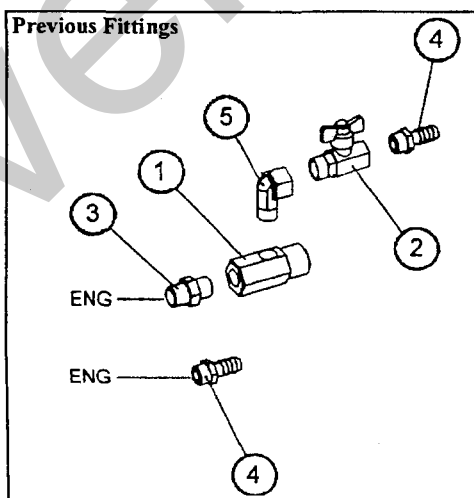
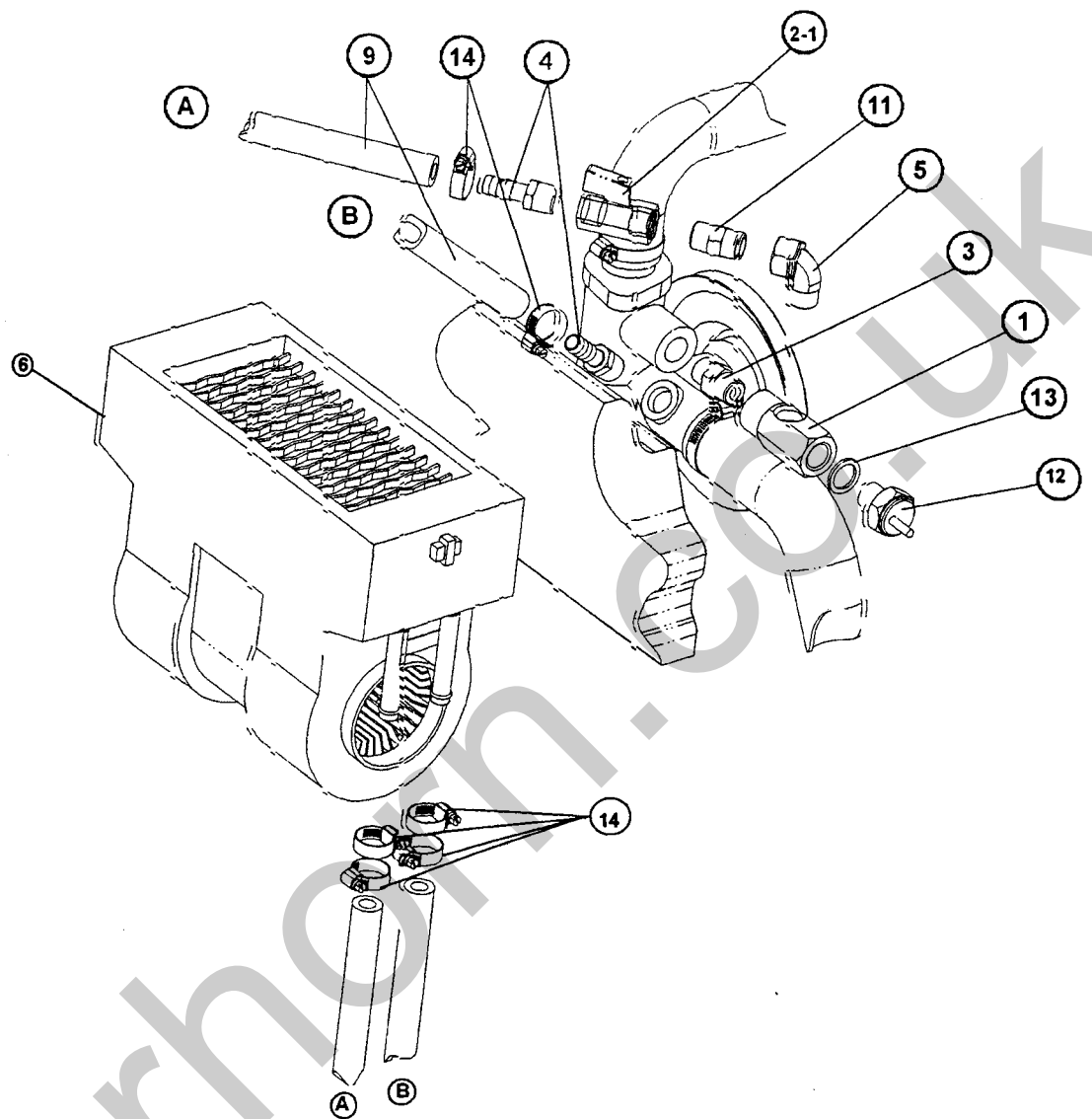
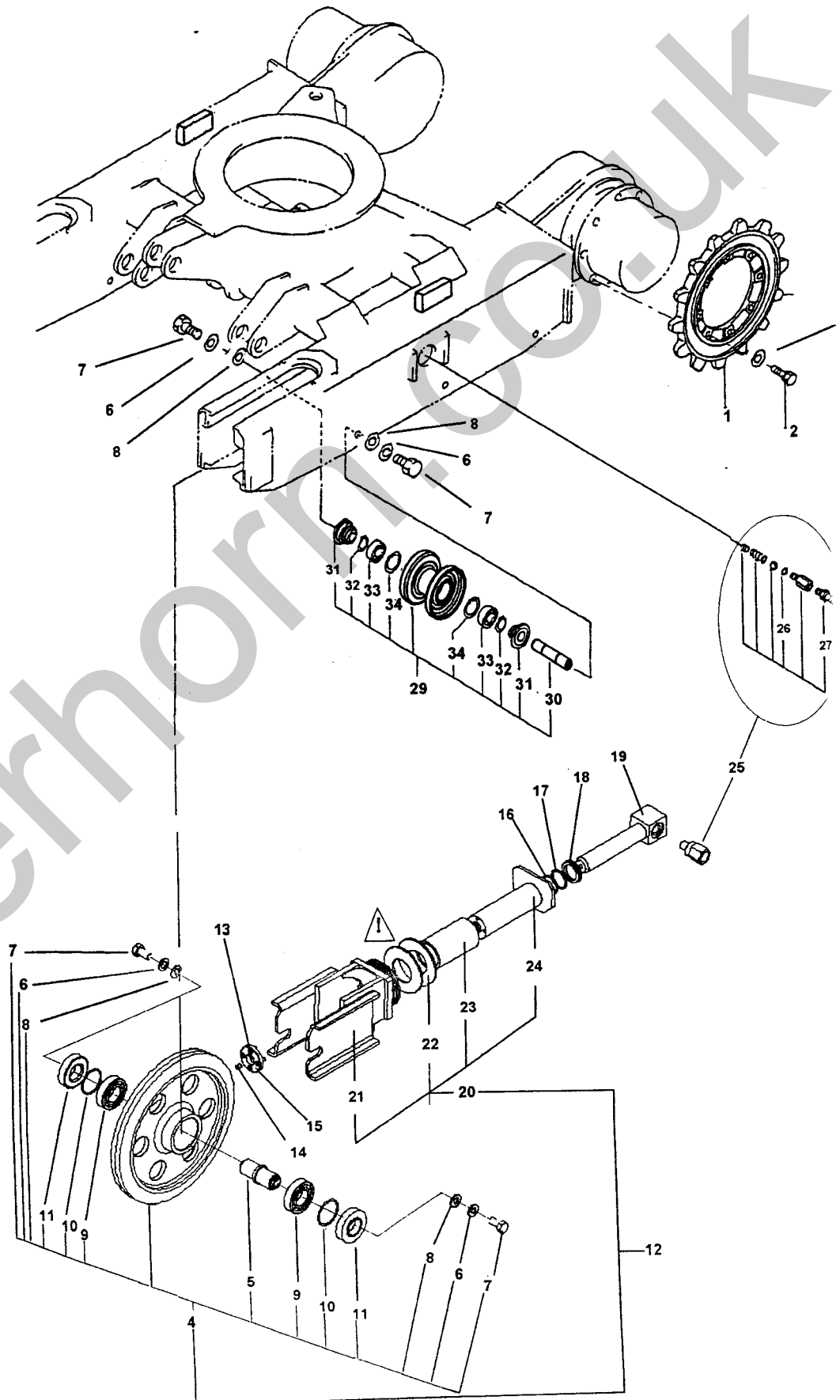
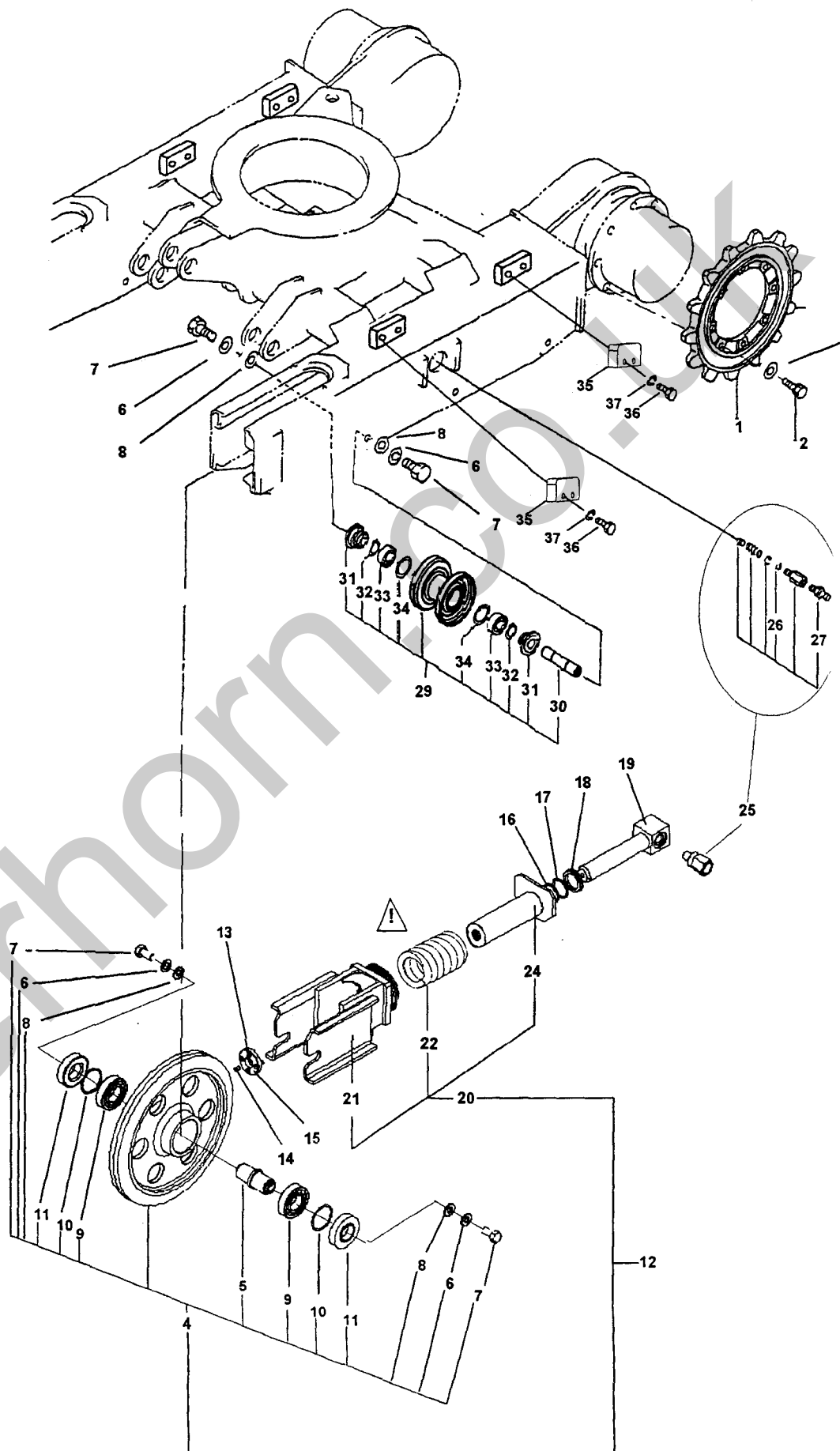


Fig 14-1 ROLLER & ADJUST



(1) SPRING ASSEMBLED UNDER PRESSURE

Fig 1A-2 ROLLER ADJUST



	C	B17CR-3
	D	B17CR-3
	E	B18CRE
	F	B18PRE

Fig	I	Rep	L	o	PN	Designation	A	B	C	D	E	F	G	H	I	Rq
14-2		1	.		172464-29100	SPROCKET					2	2	2	2		
14-2		2	.		264501-00302	BOLT M10x30					18	18	18	18		
14-2		3	.		222171-00000	SPRING WASHER 10					18	18	18	18		
14-2		12	.		172464-37340	IDLER ASSY INST					2	2	2	2		
14-2		4	..		172451-37850	REPAIR KIT					2	2	2	2		
14-2		5	...		172451-37840	IDLER SHAFT					2	2	2	2		
14-2		6	...		222171-20000	SPRING WASHER 12					16	16	16	16		
14-2		7	...		261161-20252	BOLT M12x25					16	16	16	16		
14-2		8	...		172159-75500	WASHER					16	16	16	16		
14-2		9	...		241010-62064	BALL BEARING					4	4	4	4		
14-2		10	...		222520-00620	CIRCLIP 62					4	4	4	4		
14-2		11	...		1A1060-48300	OIL SEAL					4	4	4	4		
14-2		13	..	X	172451-37350	PLUG 1/8					2	2	2	2		
14-2		14	..		264500-50102	SCREW M5x10					8	8	8	8		
14-2		15	..		172451-37620	PLATE					2	2	2	2		
14-2		16	..		243150-00300	O-RING 1B P-30.0					2	2	2	2		
14-2		17	..		172137-37850	BACK UP RING					2	2	2	2		
14-2		18	..		933126-38600	DUST SEAL					2	2	2	2		
14-2		19	..	X	172451-37831	ADJUST TUBE ASSY					2	2	2	2		
14-2		20	..	X	172464-37710	IDLER FORK ASSY					2	2	2	2		
14-2		21	...	X	172464-37820	FORK					2	2	2	2		
14-2		22	...		172464-37770	COIL SPRING 14x62x141					2	2	2	2		(1)
14-2		24	...	X	172464-37720	TUBE ASSY					2	2	2	2		
14-2		25	..		172122-37844	NIPPLE VALVE					2	2	2	2		
14-2		26	...		243150-00140	O-RING 1B P-14.0					2	2	2	2		
14-2		27	...		247610-20000	GREASE NIPPLE 1/8					2	2	2	2		
14-2		28	.		172141-50890	GROMMET					2	2	2	2		
14-2	I	29	.		172451-37330	TRACK ROLLER					6	6	6	6	Z	
14-2	I	30	..	X	172451-37310	ROLLER SHAFT					6	6	6	6	S	
14-2	I	30-1	..	X	172451-37311	ROLLER SHAFT					6	6	6	6	Z	
14-2	I	31	..		172137-37360	SEAL					12	12	12	12	S	
14-2	I	31-1	..		172173-37320	SEAL TW25 52 18					12	12	12	12	Z	
14-2	I	32	..		222420-00250	CIRCLIP 25S					12	12	12	12	S	
14-2	I	32-1	..		222520-00520	CIRCLIP 52					12	12	12	12		
14-2		33	..		241010-60054	BALL BEARING					12	12	12	12	Z	
14-2		34	..		222520-00470	CIRCLIP 47					12	12	12	12		
14-2		35	..		172464-51900	SHOE SLIDE					4	4	4	4		
14-2		36	..		261161-00402	BOLT M10x40					8	8	8	8		
14-2		37	..		222171-00000	SPRING WASHER 10					8	8	8	8		

Fig 15 CRAWLER

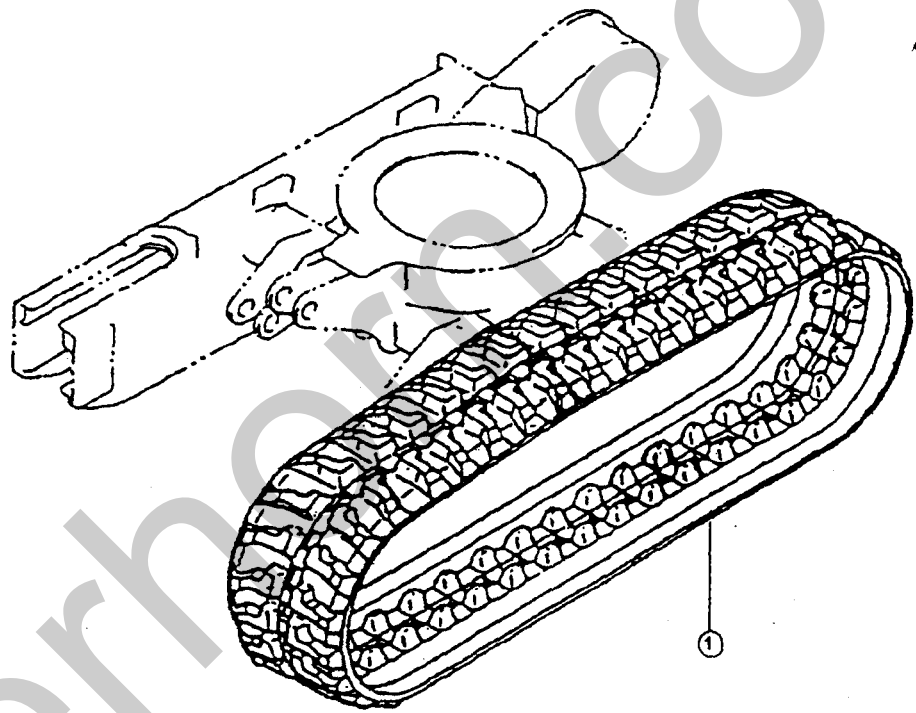


Fig 15

CRAWLER

B	B15PR-3	D	B17CR-3
E	B15CRE-3	G	B18CRE
F	B15PRE-3	H	B18PRE

[illegible]

Fig 16 CONTROL EQUIPMENT (LEVER & STAND)

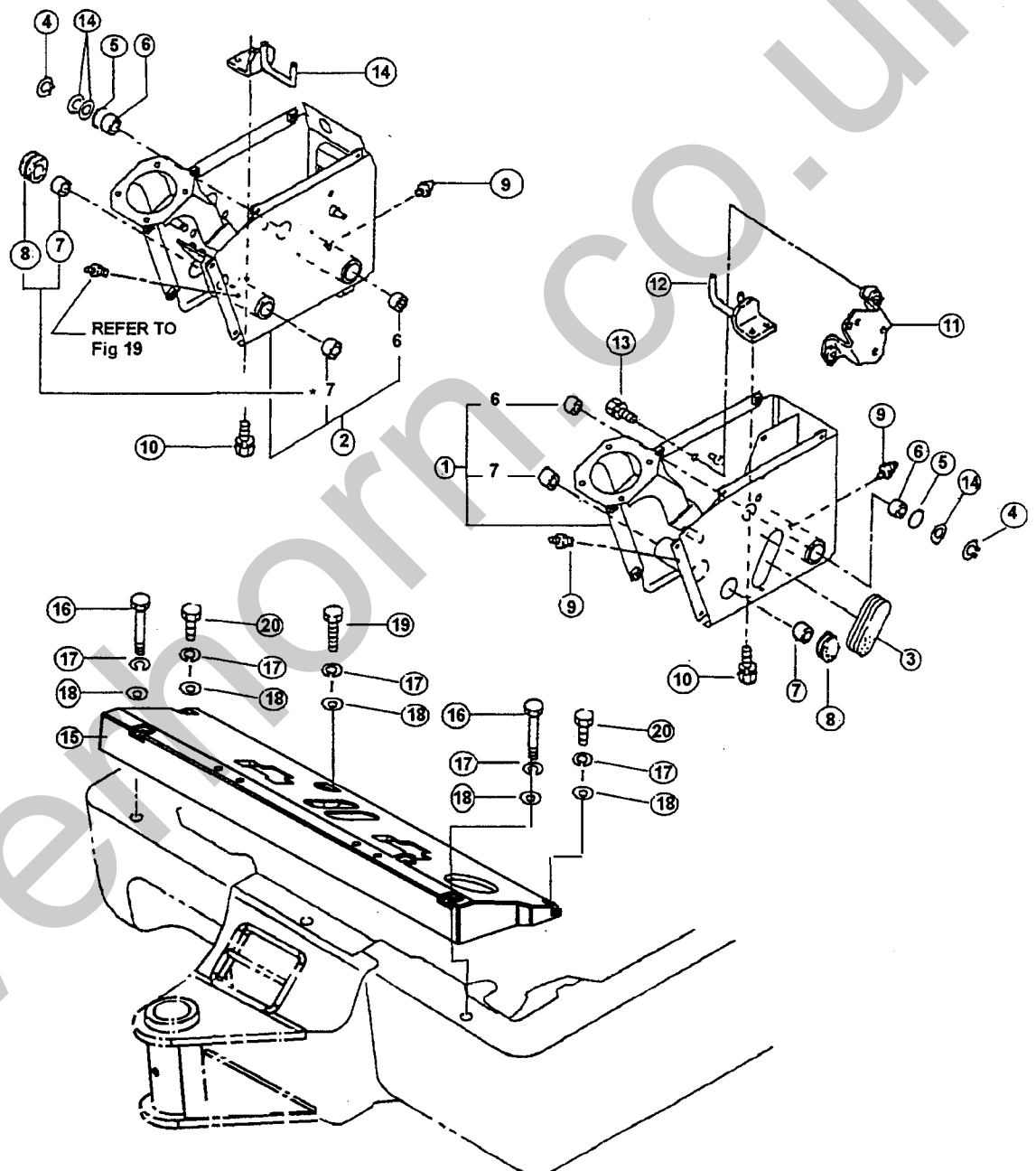
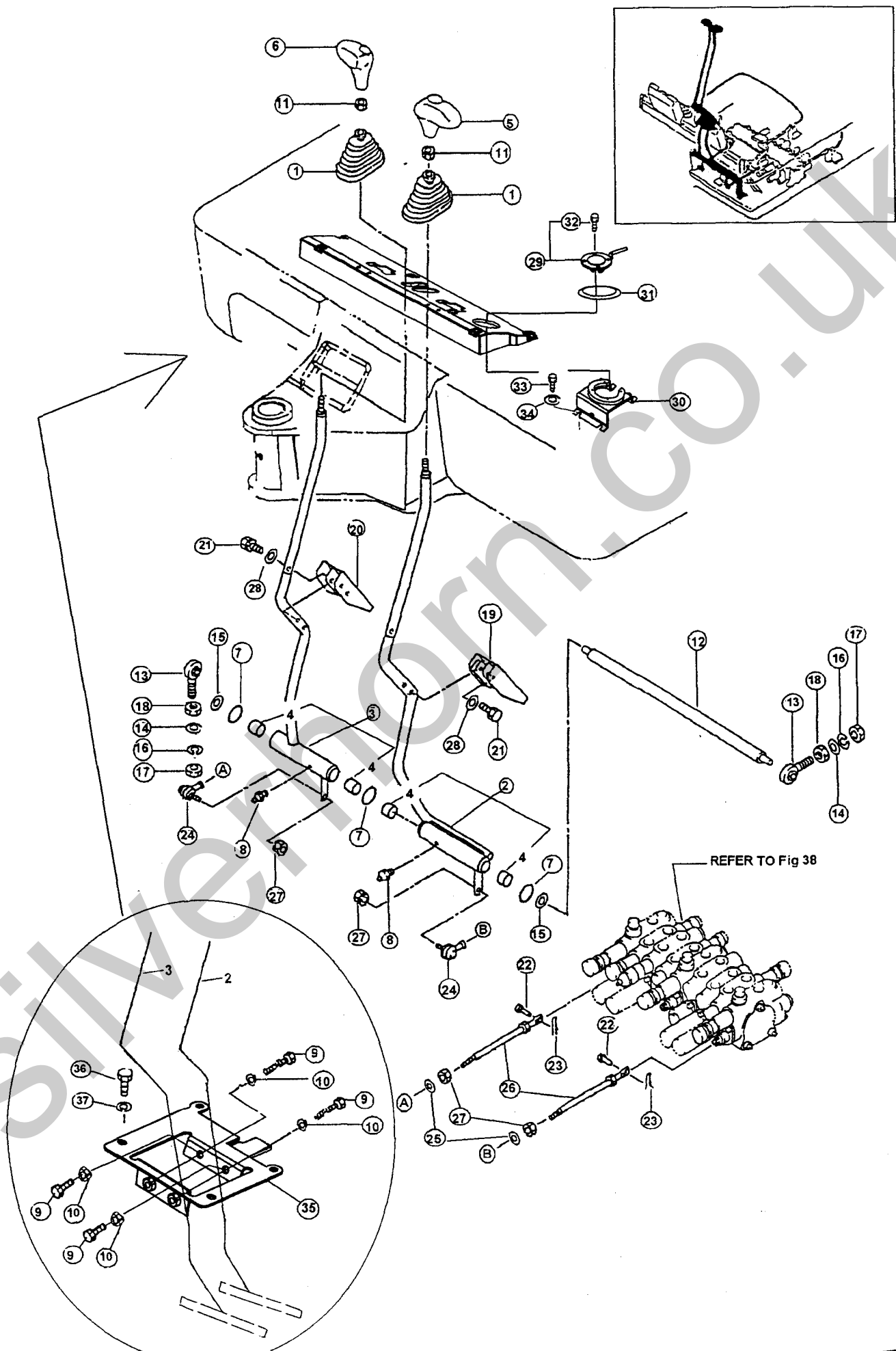


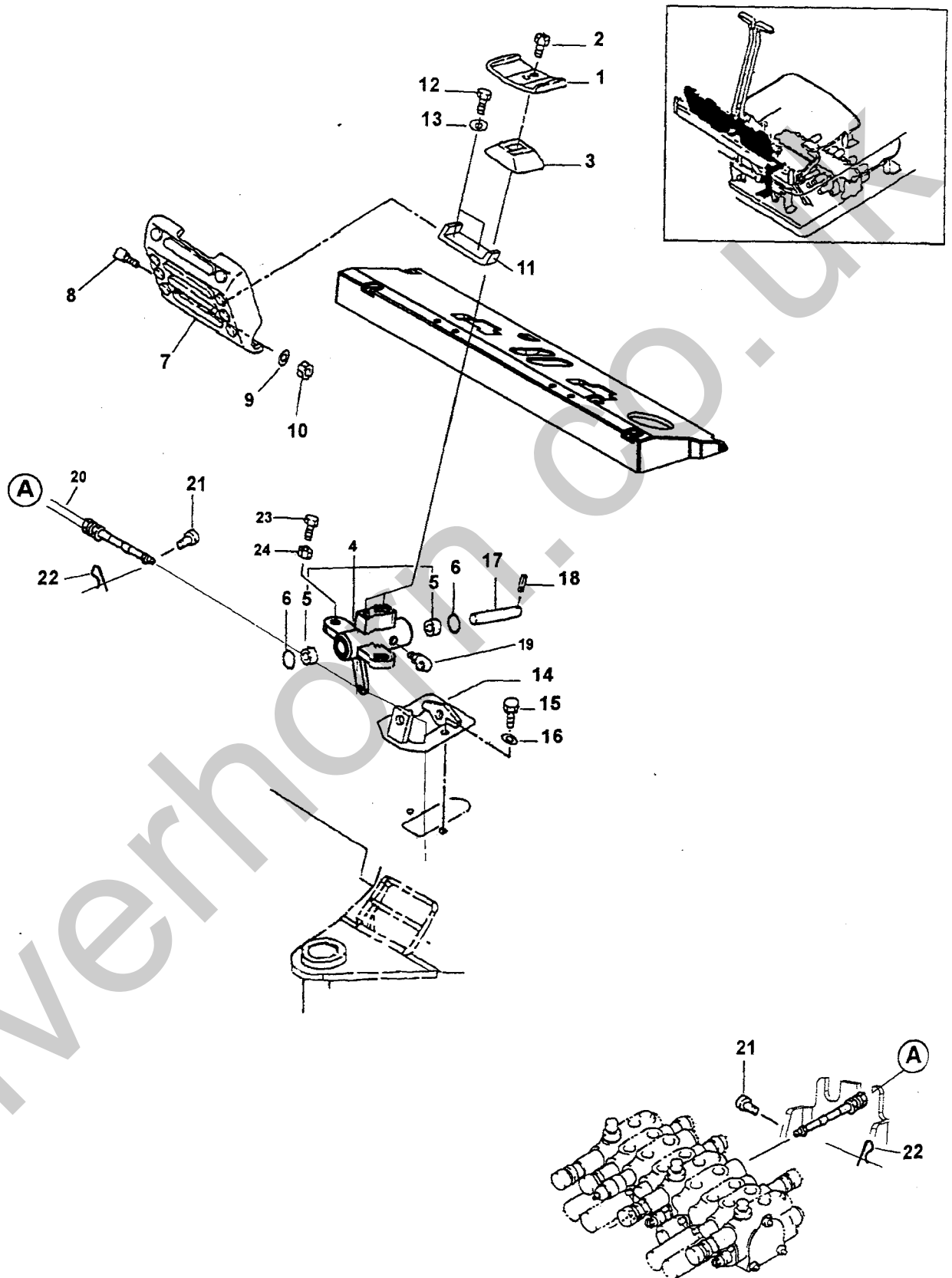
Fig 17 CONTROL EQUIPMENT (DRIVE)



A	B15CR-3	C	B17CR-3
B	B15PR-3	D	B17CR-3
E	B15CRE-3	G	B18CRE
F	B15PRE-3	H	B18PRE

Fig	I	Rep	L	o	PN	Designation	A	B	C	D	E	F	G	H	I	Rq
17		1	.		172141-41340	BOOT	2	2	2	2	2	2	2	2		
17		2	.		172451-45110	TRAVEL LEVER (LEFT)	1	1	1	1	1	1	1	1		
17		3	.		172194-45140	TRAVEL LEVER (RIGHT)	1	1	1	1	1	1	1	1		
17		4	..		172161-41370	BUSH 2015	4	4	4	4	4	4	4	4		
17		5	.		172164-45951	TRAVEL LEVER GRIP (LEFT)	1	1	1	1	1	1	1	1		
17		6	.		172164-45961	TRAVEL LEVER GRIP (RIGHT)	1	1	1	1	1	1	1	1		
17		7	.		172161-46200	O-RING 27x5.7	3	3	3	3	3	3	3	3		
17		8	.		247610-20000	GREASE NIPPLE 1/8	2	2	2	2	2	2	2	2		
17		9	.		261161-00504	SCREW M10x50 PLATED	4	4	4	4	4	4	4	4		
17		10	.		267161-00002	NUT M10	4	4	4	4	4	4	4	4		
17		11	.		267561-00002	LOCK NUT M10- PLATED	2	2	2	2	2	2	2	2		
17		12	.		172179-45200	TRAVEL SHAFT	1	1	1	1	1	1	1	1		
17		13	.		172122-45720	ROD-END 14	2	2	2	2	2	2	2	2		
17		14	.		221371-40000	WASHER 14- POLISHED	2	2	2	2	2	2	2	2		
17		15	.		221571-40000	WASHER 14	2	2	2	2	2	2	2	2		
17		16	.		222171-40000	SPRING WASHER 14	2	2	2	2	2	2	2	2		
17		17	.		267161-40002	NUT M14	2	2	2	2	2	2	2	2		
17		18	.		267561-40002	LOCK NUT M14- PLATED	2	2	2	2	2	2	2	2		
17		19	.		172174-46100	PEDAL L ASSY	1	1	1	1	1	1	1	1		
17		20	.		172174-46150	PEDAL R ASSY	1	1	1	1	1	1	1	1		
17		21	.		261160-60302	BOLT M6x30	4	4	4	4	4	4	4	4		
17		22	.		172159-42910	PIN 4.75x14	2	2	2	2	2	2	2	2		
17		23	.		172159-42070	PIN SNAP	2	2	2	2	2	2	2	2		
17		24	.		172122-46590	BALL JOINT 8	2	2	2	2	2	2	2	2		
17		25	.		221370-80000	WASHER 8- POLISHED	2	2	2	2	2	2	2	2		
17		26	.		172451-45700	ROD	2	2	2	2	2	2	2	2		
17		27	.		260510-80002	NUT M8	4	4	4	4	4	4	4	4		
17		28	.		222170-60000	SPRING WASHER 6	4	4	4	4	4	4	4	4		
17		29	.		172451-45200	LO-HI SWITCH	1	1	1	1	1	1	1	1		
17		30	.		172451-45920	BRACKET	1	1	1	1	1	1	1	1		
17		31	.		172451-45870	PROTECTOR	1	1	1	1	1	1	1	1		
17		32	..		172451-45210	SCREW M4x18	4	4	4	4	4	4	4	4		
17		33	.		264530-60122	SCREW M6x12	4	4	4	4	4	4	4	4		
17		34	.		222170-60000	SPRING WASHER 6	4	4	4	4	4	4	4	4		
17		35	.		172451-54291	LEVER STOPPER PLATE	1	1	1	1	1	1	1	1		
17		36	.		261161-00162	BOLT M10x16	4	4	4	4	4	4	4	4		
17		37	.		222171-00000	SPRING WASHER 10	4	4	4	4	4	4	4	4		

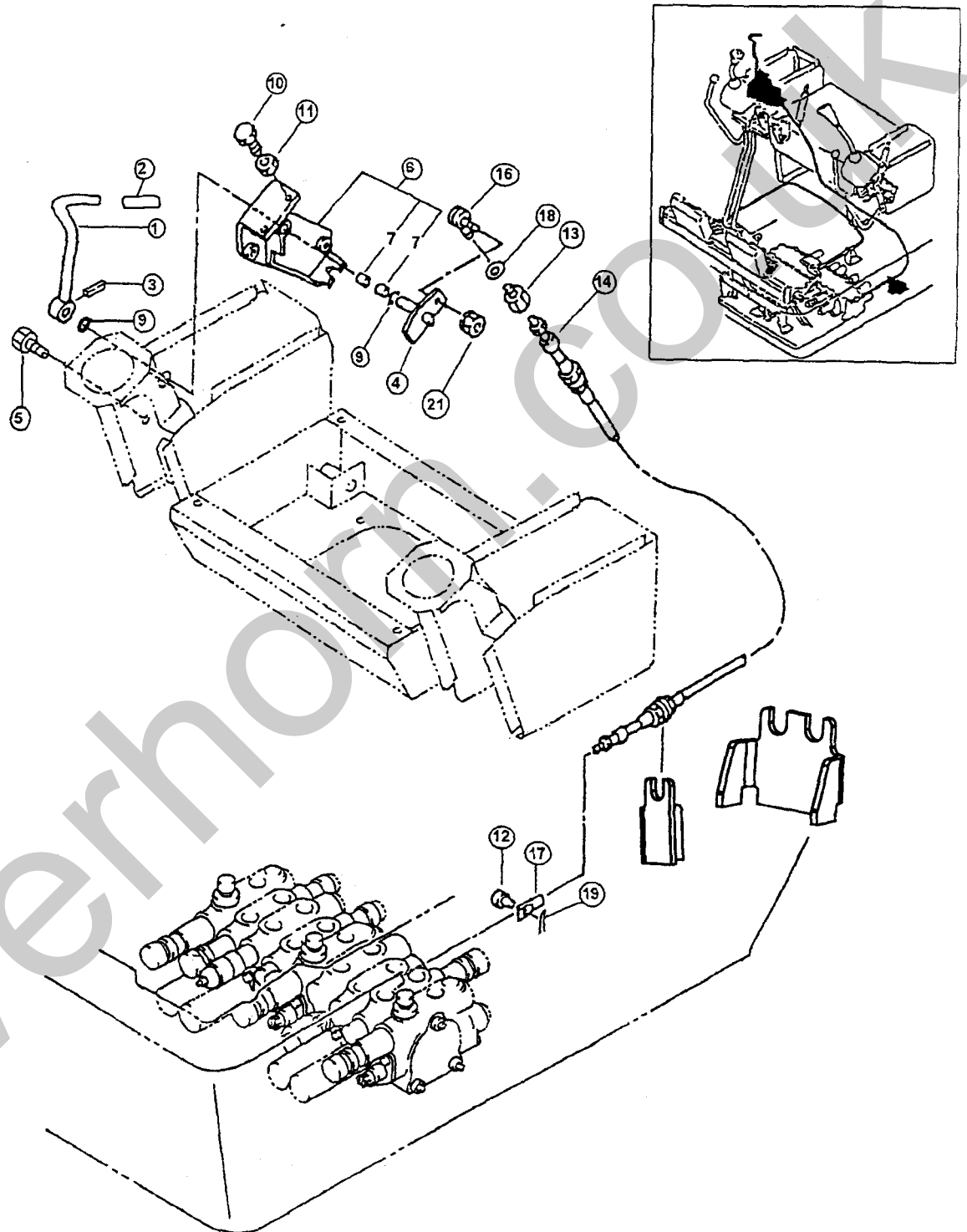
Fig 18_1 CONTROL EQUIPMENT (SWING)



A	B15CR-3	C	B17CR-3
B	B15PR-3	D	B17CR-3
E	B15CRE-3	G	B18CRE
F	B15PRE-3	H	B18PRE

[illegible]

Fig 18-2 CONTROL EQUIPMENT (BLADE)

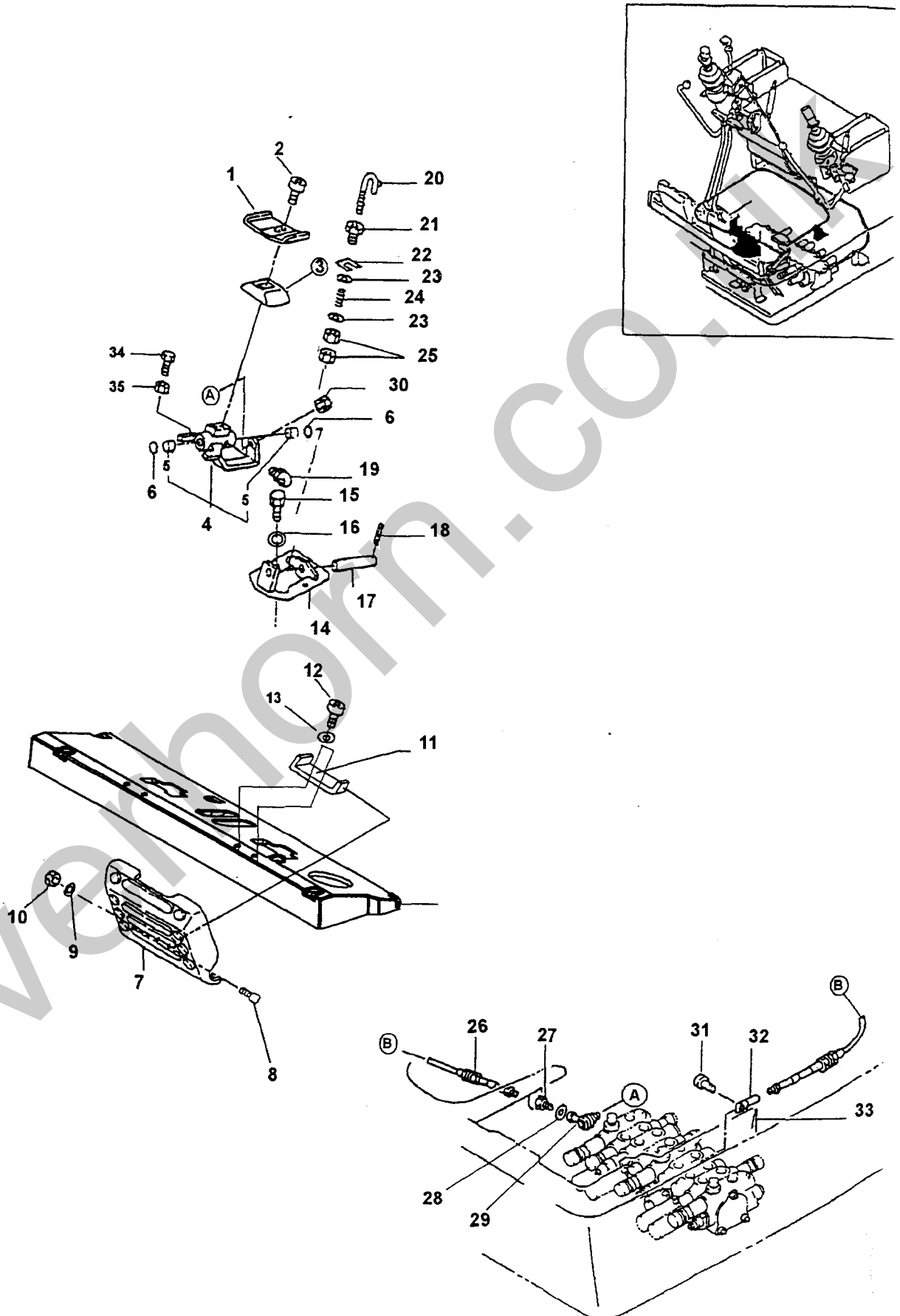


CONTROL EQUIPMENT (BLADE)

B	B15PA-3	D	B17CA-3
E	B15CRE-3	G	B18CRE
F	B15PRE-3	H	B18PRE

[illegible]

Fig 18-3 CONTROL EQUIPMENT (PTO)



[illegible]

TABLE 1. *Summary of the results of the 1996-1997 survey of the distribution of *Salmonella* serotypes in the faeces of wild birds in the Iberian Peninsula*

1

Fig 19 CONTROL EQUIPMENT (CUT OFF LEVER)

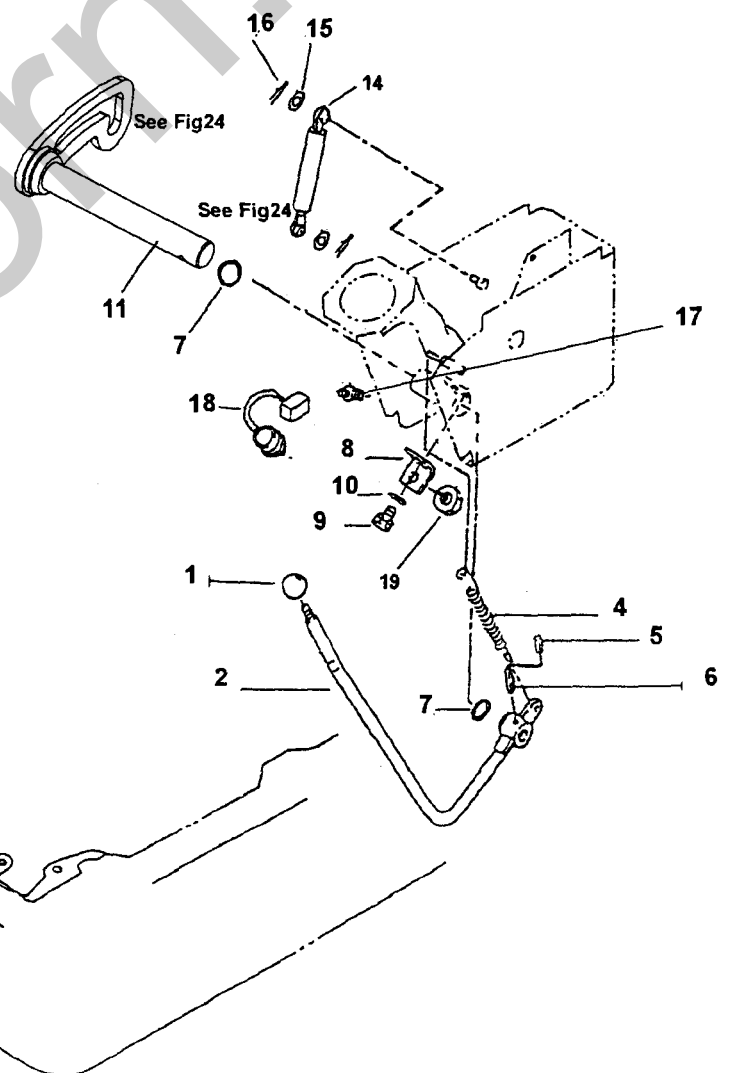
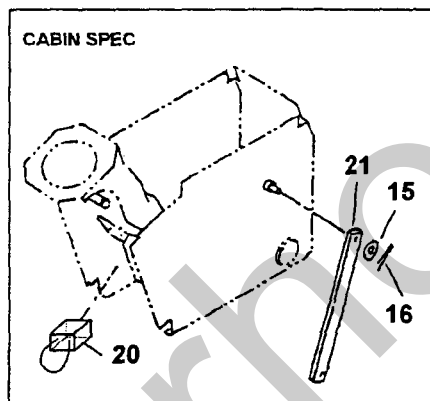
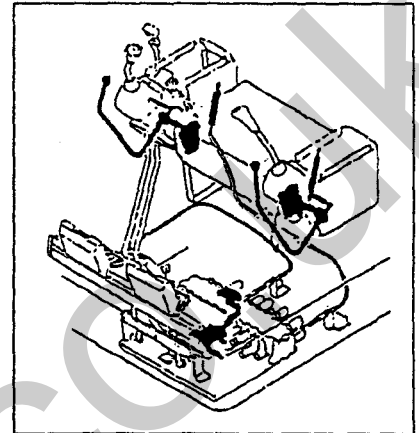
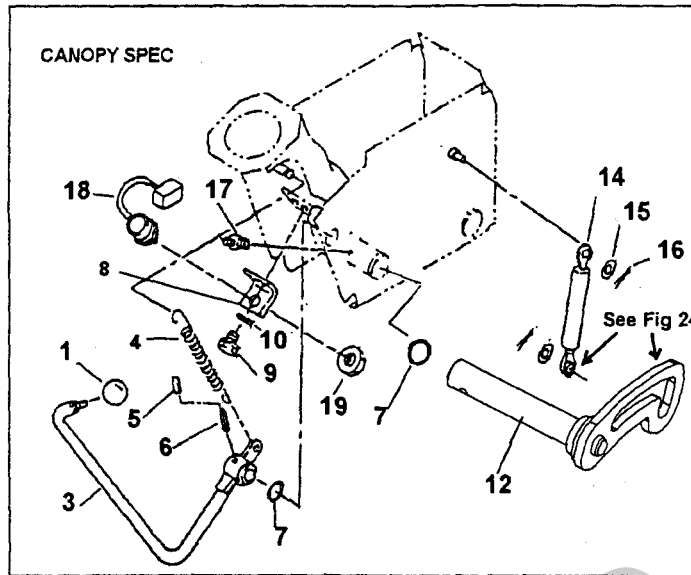


Fig 19

CONTROL EQUIPMENT (CUT OFF LEVER)

A	B15CR-3	C	B17CR-3
B	B15PR-3	D	B17CR-3
E	B15CRE-3	G	B18CRE
F	B15PRE-3	H	B18PRE

Fig	I	Rep	L	o	PN	Designation	A	B	C	D	E	F	G	H	I	Rq
19		1	.		1D4070-23580	LOCK LEVER GRIP	1	2	1	2	1	2	1	2		
19		2	.		172464-44660	LOCK LEVER (LEFT)	1	1	1	1	1	1	1	1		
19		3	.		172464-45800	LOCK LEVER (RIGHT)		1		1		1		1		
19		4	.		172174-45840	SPRING ROTARY RETURN	1	2	1	2	1	2	1	2		
19		5	.		223510-35040	SPRING PIN 3,5x40	1	2	1	2	1	2	1	2		
19		6	.		223510-60040	SPRING PIN 6x40	1	2	1	2	1	2	1	2		
19		7	.		172161-46200	O-RING 27x5,7	2	4	2	4	2	4	2	4		
19		8	.		172451-45750	PLATE	1	2	1	2	1	2	1	2		
19		9	.		260130-80202	BOLT W/WASHER M8x20	1	2	1	2	1	2	1	2		
19		10	.		221370-80000	WASHER 8 POLISHED	2	4	2	4	2	4	2	4		
19		11	.		172451-45741	LEFT ARM LOCK	1	1	1	1	1	1	1	1		
19		12	.		172451-45721	RIGHT ARM LOCK		1		1		1		1		
19		14	.		172165-47801	GAS SPRING	1	2	1	2	1	2	1	2		
19		15	.		222720-00070	CIRCLIPS	4	4	4	4	4	4	4	4		
19		16	.		224172-00200	COTTER PIN 2,0x20	4	4	4	4	4	4	4	4		
19		17	.		247610-20000	NIPPLE PT1/8 GREASE	1	2	1	2	1	2	1	2		
19		18	.		172164-17140	SWITCH	1	2	1	2	1	2	1	2		
19		19	.		267761-60002	NUT HM 16x1,5 cl.5	1	2	1	2	1	2	1	2		
19		20	.		172190-16500	HARNESS FRONT	1		1		1		1			
19		21	.		172451-44140	BAR	1		1		1		1			

Fig 20 FRAME & TURNING BEARING

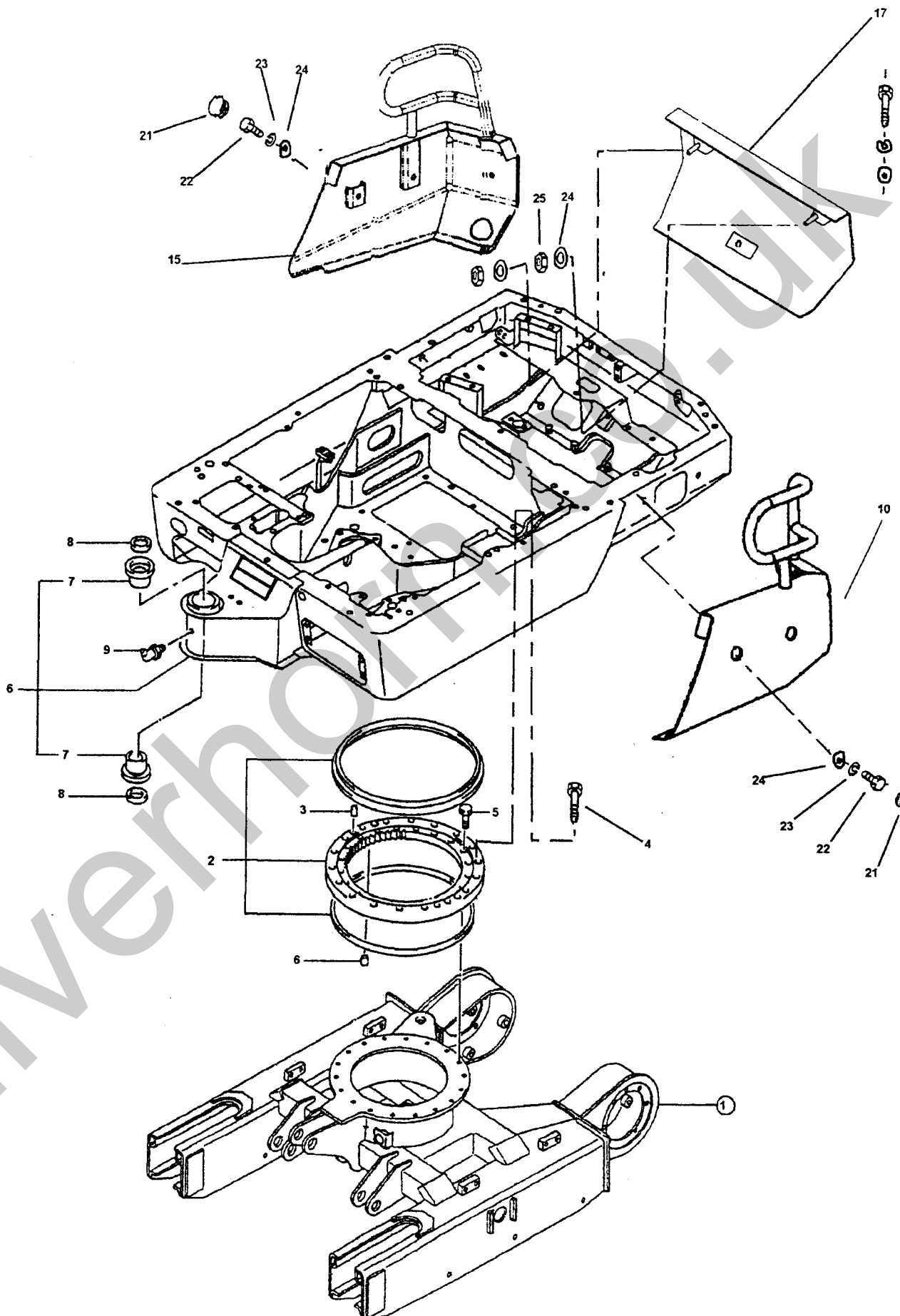
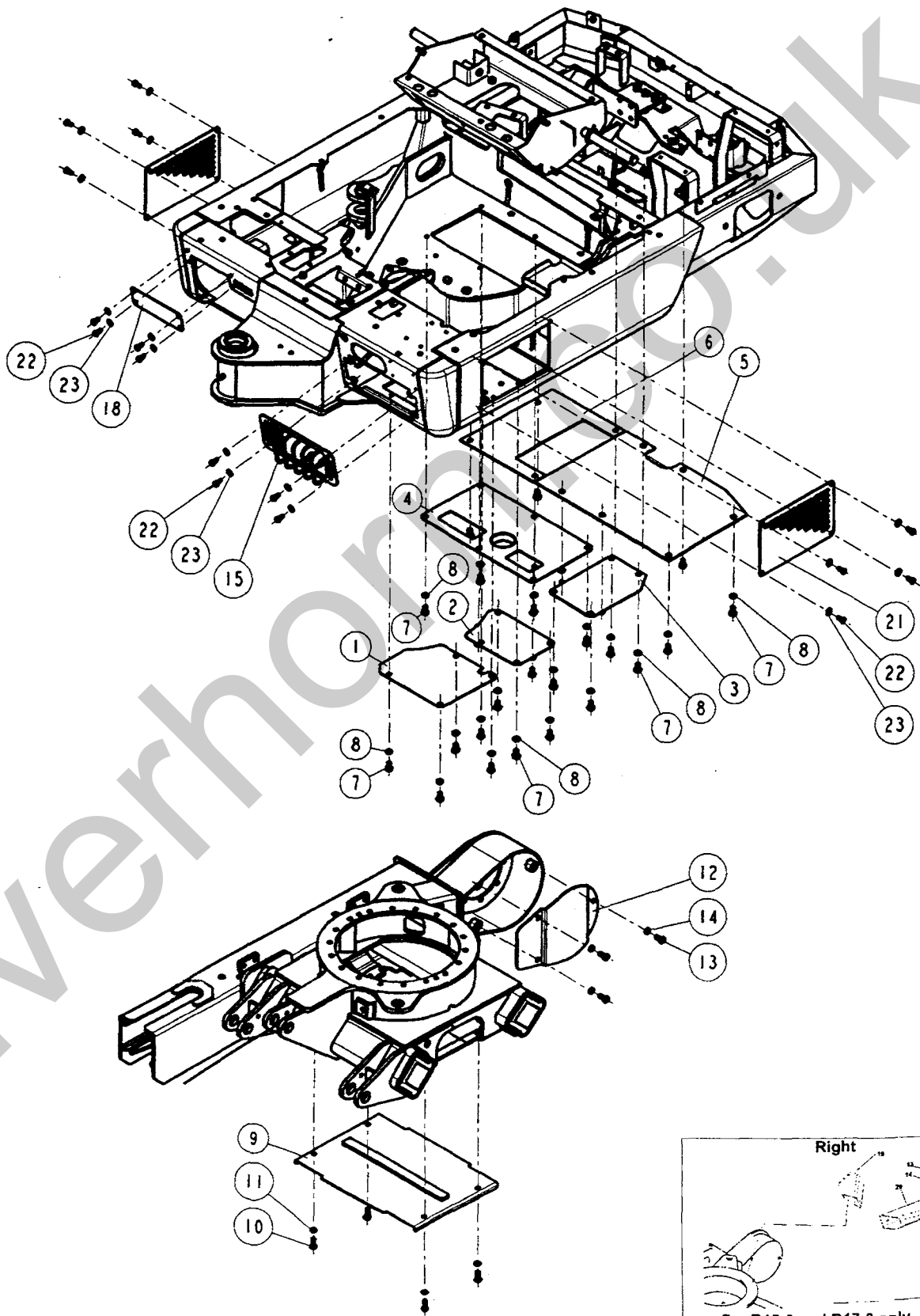


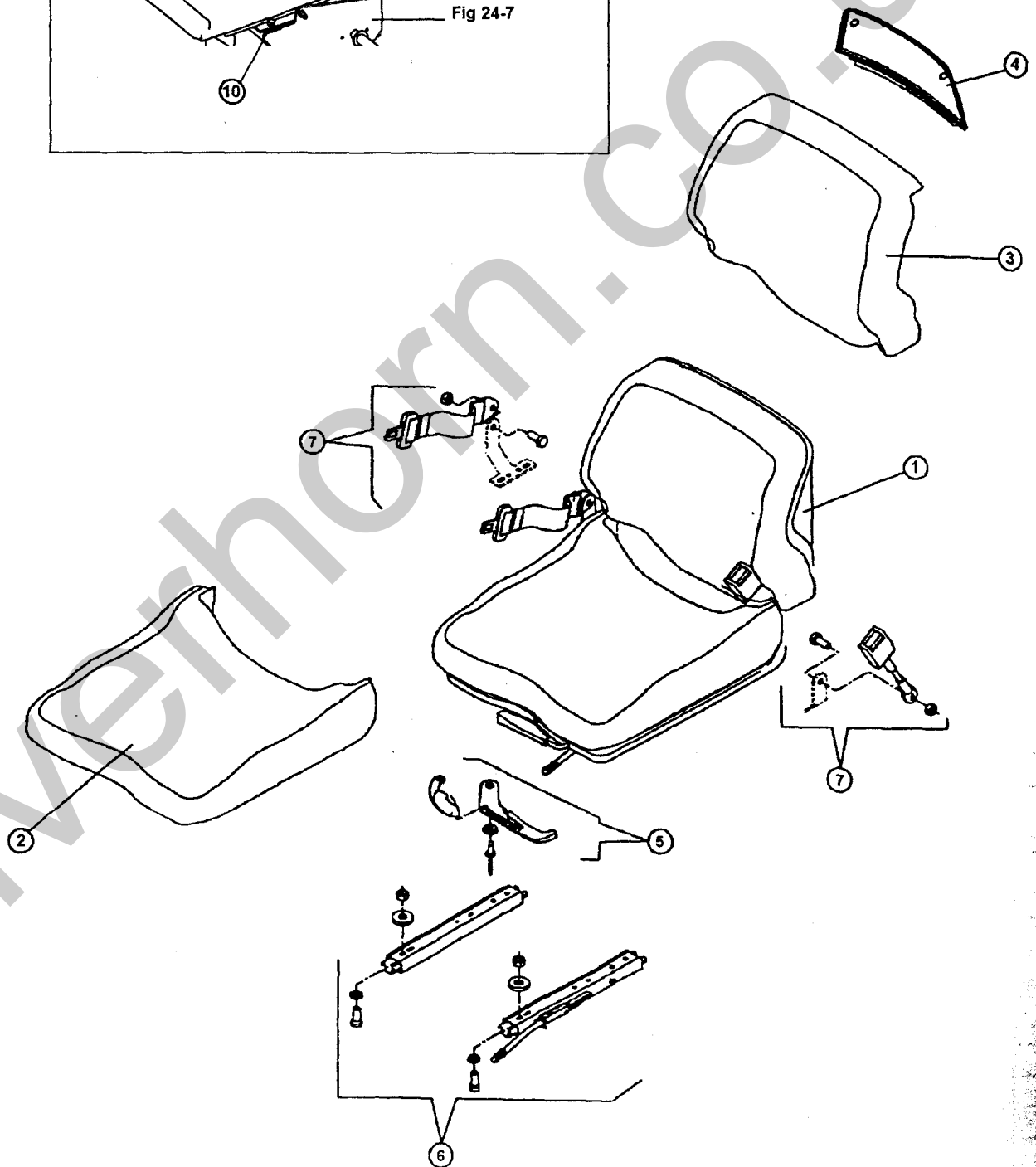
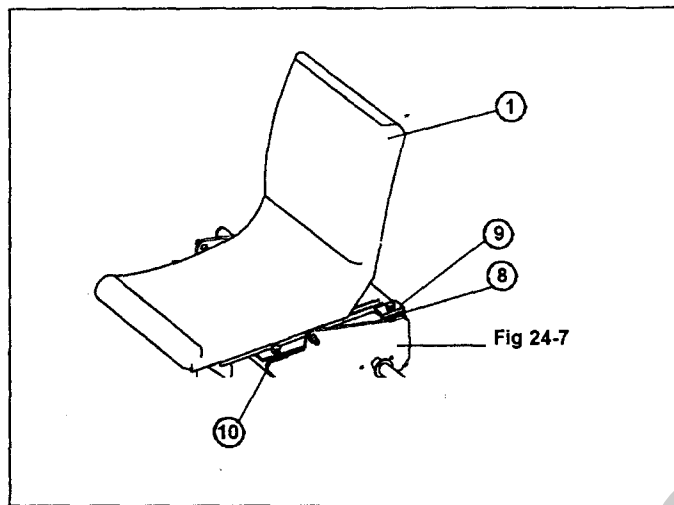
Fig 21 FRAME COVER



A	B15CR -3	C	B17CR -3
B	B15PR -3	D	B17CR -3
E	B15CRE-3	G	B18CRE
F	B15PRE-3	H	B18PRE

[illegible]

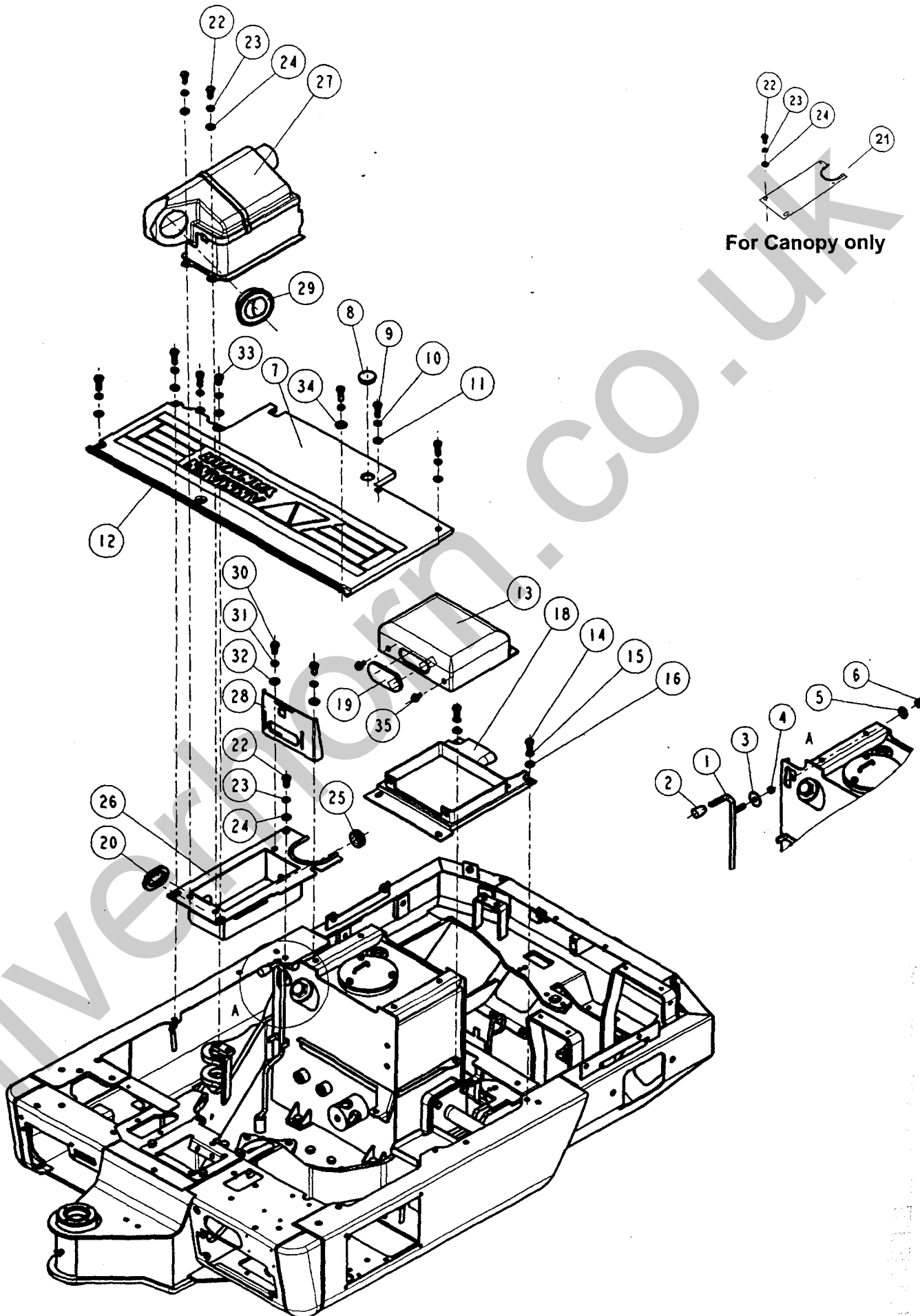
Fig 22 SEAT



A	B15CR -3	C	B17CR -3
B	B15PR -3	D	B17CR -3
E	B15CRE-3	G	B18CRE
F	B15PRE-3	H	B18PRE

[illegible]

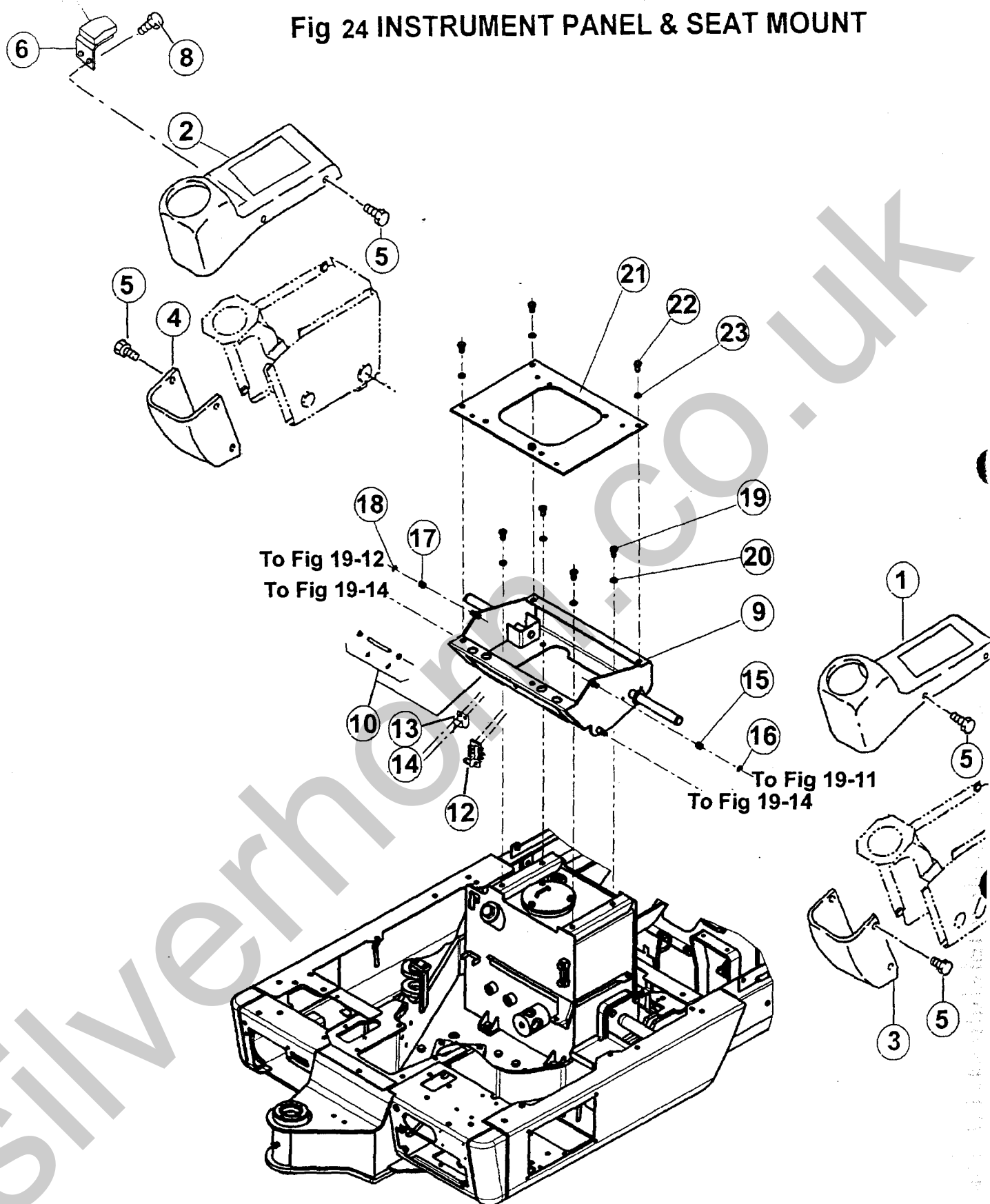
Fig 23 STEP & TURNING LOCK



	B15CR-3	C	B17CR-3
	B15PR-3	D	B17CR-3
E	B15CRE-3	G	B18CRE
F	B15PRE-3	H	B18PRE

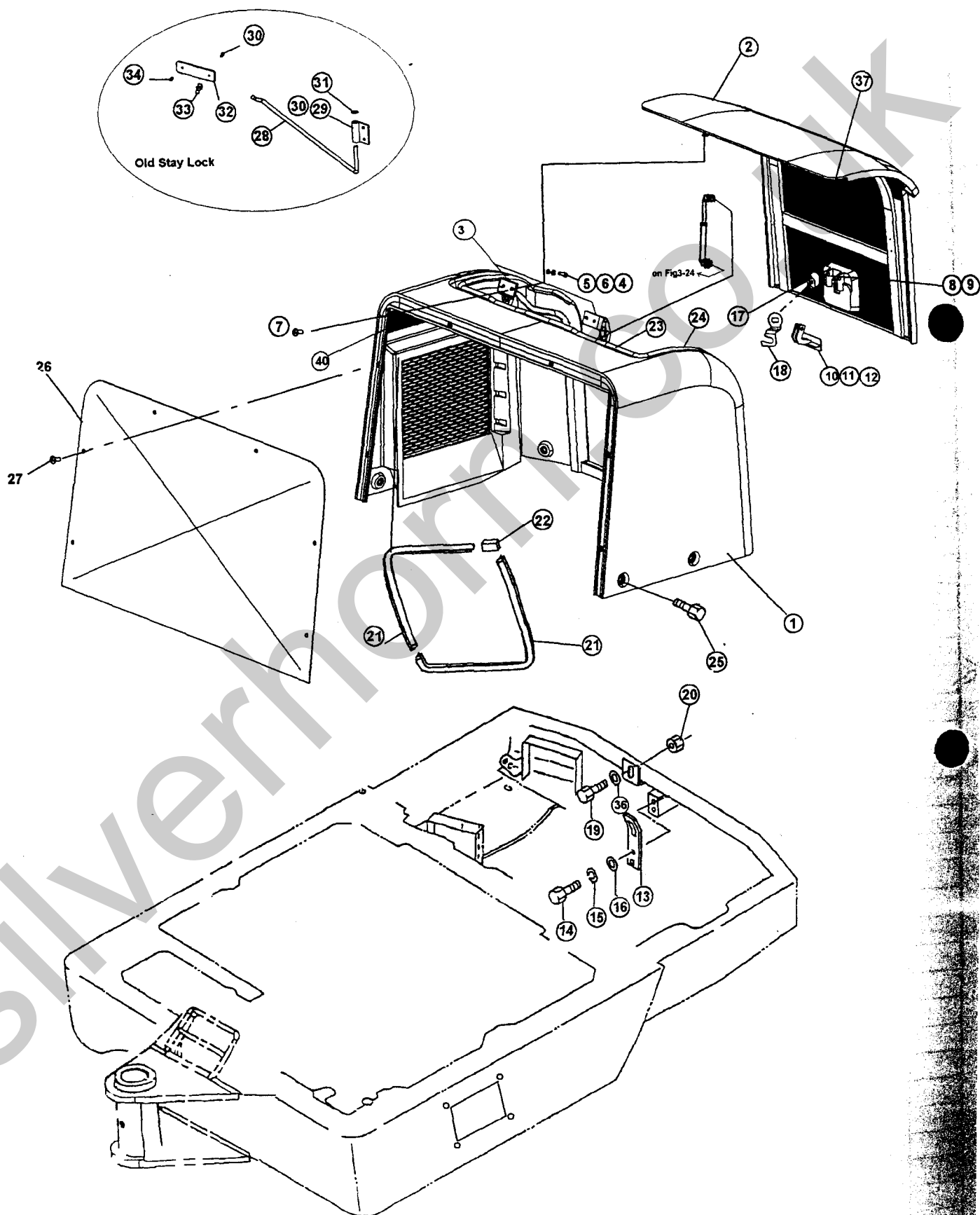
Fig	I	Rep	L	o	PN	Designation	A	B	C	D	E	F	G	H	I	Rq
23	I	1	.		172451-58800	TURNING LOCK PIN ASSY	1	1	1	1	1	1	1	1	Z	
23	I	1-1	.		172451-58801	TURNING LOCK PIN ASSY	1	1	1	1	1	1	1	1	N	
23		2	.		172116-46630	LOCK LEVER KNOB	1	1	1	1	1	1	1	1		
23		3	.		221151-00000	WASHER LL10	1	1	1	1	1	1	1	1		
23		4	.		172451-58840	SPACER	1	1	1	1	1	1	1	1		
23		5	.		221171-00000	WASHER L10	1	1	1	1	1	1	1	1		
23		6	.		172451-46270	SAFETY NUT 10	1	1	1	1	1	1	1	1		
23		7	.		172451-44250	FLOOR COVER	1	1	1	1	1	1	1	1		
23		8	.		172151-62240	GROMMET	1	1	1	1	1	1	1	1		
23		9	.		261161-00302	BOLT M10x30	5	5	5	5	5	5	5	5		
23		10	.		222171-00000	SPRING WASHER 10	10	10	10	10	10	10	10	10		
23		11	.		221171-00000	WASHER 10	10	10	10	10	10	10	10	10		
23		12	.		172451-44510	JOINT	1	1	1	1	1	1	1	1		
23	I	13	.		172451-44120	BATTERY FLOOR	1	1	1	1	1	1	1	1	Z	
23	I	13-1	.		172451-44121	BATTERY FLOOR	1	1	1	1	1	1	1	1	N	
23		14	.		261161-00202	BOLT M10x20	2	2	2	2	2	2	2	2		
23		15	.		222171-00000	SPRING WASHER 10	2	2	2	2	2	2	2	2		
23		17	.		221171-00000	WASHER 10	2	2	2	2	2	2	2	2		
23		18	.		172451-62110	BATTERY COVER	1	1	1	1	1	1	1	1		
23		19	.		172146-41320	GROMMET	1	1	1	1	1	1	1	1		
23		20	.		933110-58400	GROMMET	1		1		1		1			
23		21	.		172451-62200	COVER		1		1		1		1		
23		22	.		261161-00202	BOLT M10x20	3	3	3	3	3	3	3	3		
23		23	.		222171-00000	SPRING WASHER 10	3	3	3	3	3	3	3	3		
23		24	.		221171-00000	WASHER 10	3	3	3	3	3	3	3	3		
23		25	.		933171-15680	GROMMET	1		1		1		1			
23		26	.		172451-62600	STEP R	1		1		1		1			
23		27	.		172451-62510	HEATER COVER	1		1		1		1			
23		28	..		172179-62650	REAR HEATER COVER	1		1		1		1			
23		29	.		106089	AERATION	1		1		1		1			
23		30	.		172179-45300	BOLT M10x20	2		2		2		2			
23		31	.		222171-00000	SPRING WASHER 10	2		2		2		2			
23		32	.		172159-65930	WASHER 10	2		2		2		2			
23		33	.		261161-00162	BOLT M10x16	1	1	1	1	1	1	1	1		
23		34	.		261161-00302	BOLT M10x30	1	1	1	1	1	1	1	1		
23		35	.		172174-44850	BOLT M8x16	3	3	3	3	3	3	3	3		

Fig 24 INSTRUMENT PANEL & SEAT MOUNT



[illegible]

FIG 25 BONNET



A	B15CR-3	D	B15CR-3
B	B15PR-3	E	B15CRE-3
E	B15CRE-3	G	B18CRE
F	B15PRE-3	H	B18PRE

Fig	I	Rep	L	o	PN	Designation	A	B	C	D	E	F	G	H	I	Rq
25		1	.		172451-65200	BONNET	1	1	1	1	1	1	1	1		
25		2	.		172451-65190	BONNET, ENGINE	1	1	1	1	1	1	1	1		
25	I	3a	.		172451-65091	HINGE (L)	1	1	1	1	1	1	1	1	Z	(1)
25	I	3b	.		172451-65121	HINGE (R)	1	1	1	1	1	1	1	1	Z	(1)
25	I	3-1	.		172451-65080	HINGE ASSY	1	1	1	1	1	1	1	1	F	(2)
25		4	.		264500-60252	SCREW M6x25	4	4	4	4	4	4	4	4		
25		5	.		222170-60000	SPRING WASHER 6	8	8	8	8	8	8	8	8		
25		6	.		221170-60000	WASHER 6	8	8	8	8	8	8	8	8		
25		7	.		264500-60162	BOLT M6x16	4	4	4	4	4	4	4	4		(1)
25		8	.		172159-65940	BONNET LEVER PIN	1	1	1	1	1	1	1	1		
25		9	.		172159-65960	SPRING CATCH	1	1	1	1	1	1	1	1		
25		10	.		172159-65050	HANDLE	1	1	1	1	1	1	1	1		
25		11	.		172159-65950	CATCHER	1	1	1	1	1	1	1	1		
25		12	.		172159-65940	PIN	1	1	1	1	1	1	1	1		
25		13	.		172159-65690	CATCHPLATE	1	1	1	1	1	1	1	1		
25		14	.		261161-00202	BOLT M10x20	2	2	2	2	2	2	2	2		
25		15	.		221371-00000	WASHER 10	2	2	2	2	2	2	2	2		
25		16	.		222171-00000	SPRING WASHER 10	2	2	2	2	2	2	2	2		
25		17	.		172164-66170	CYLINDER LOCK	1	1	1	1	1	1	1	1		
25		18	.		172451-65300	PLATE CATCH	1	1	1	1	1	1	1	1		
25		19	.		172451-65350	SCREW M8x35	1	1	1	1	1	1	1	1		
25		20	.		267160-80002	NUT 8	1	1	1	1	1	1	1	1		
25		21	.		172451-60170	RUBBER SEAL	1	1	1	1	1	1	1	1		
25		22	.		CL-466	RUBBER SEAL	1	1	1	1	1	1	1	1		
25		23	.		CL-435	RUBBER SEAL	1	1	1	1	1	1	1	1		
25		24	.		CL-E136	RUBBER SEAL	1	1	1	1	1	1	1	1		
25		25	.		172451-65330	BOLT BHC M8x16	6	6	6	6	6	6	6	6		
25		26a	.		172451-61450	PLATE		1		1		1		1		
25		26b	.		172451-61450	NOISE ABSORBER		1		1		1		1		
25		27	.		172451-65330	BOLT BHC M8x16		6		6		6		6		
25	I	28	.		172451-65150	STAY LOCK	1	1	1	1	1	1	1	1	Z	
25	I	28-1	.		172451-65041	STAY LOCK	1	1	1	1	1	1	1	1	N	
25	I	29	.		172451-65140	STAY HINGE	1	1	1	1	1	1	1	1	Z	
25	I	30	.		172451-65320	RIVET	3	3	3	3	3	3	3	3	Z	
25	I	31	.		172451-65180	RETAINING RING	1	1	1	1	1	1	1	1	Z	
25	I	32	.		172451-65210	STAY	1	1	1	1	1	1	1	1	Z	
25	I	33	.		172451-65161	SPRING HOOK STAY	1	1	1	1	1	1	1	1	Z	
25	I	34	.		172451-65310	RIVET	1	1	1	1	1	1	1	1	Z	
25	I	35	.		172451-65440	SAFETY NUT M8	2	2	2	2	2	2	2	2	N	
25	I	36	.		221770-8000	WASHER 8	2	2	2	2	2	2	2	2	N	
25		37	.		172451-60000	NOISE ABSORBER	1	1	1	1	1	1	1	1		
25		40	.		172451-60110	NOISE ABSORBER	1	1	1	1	1	1	1	1		

(1) OLD ENGINE COVER HINGE SYSTEM IN 2 PARTS

(2) NEW ENGINE COVER HINGE SYSTEM

(since B15-3 N°BK21A28402; B17-3 BN21A28051; B18CRE BM21A28272)

Fig 26_1 CABIN

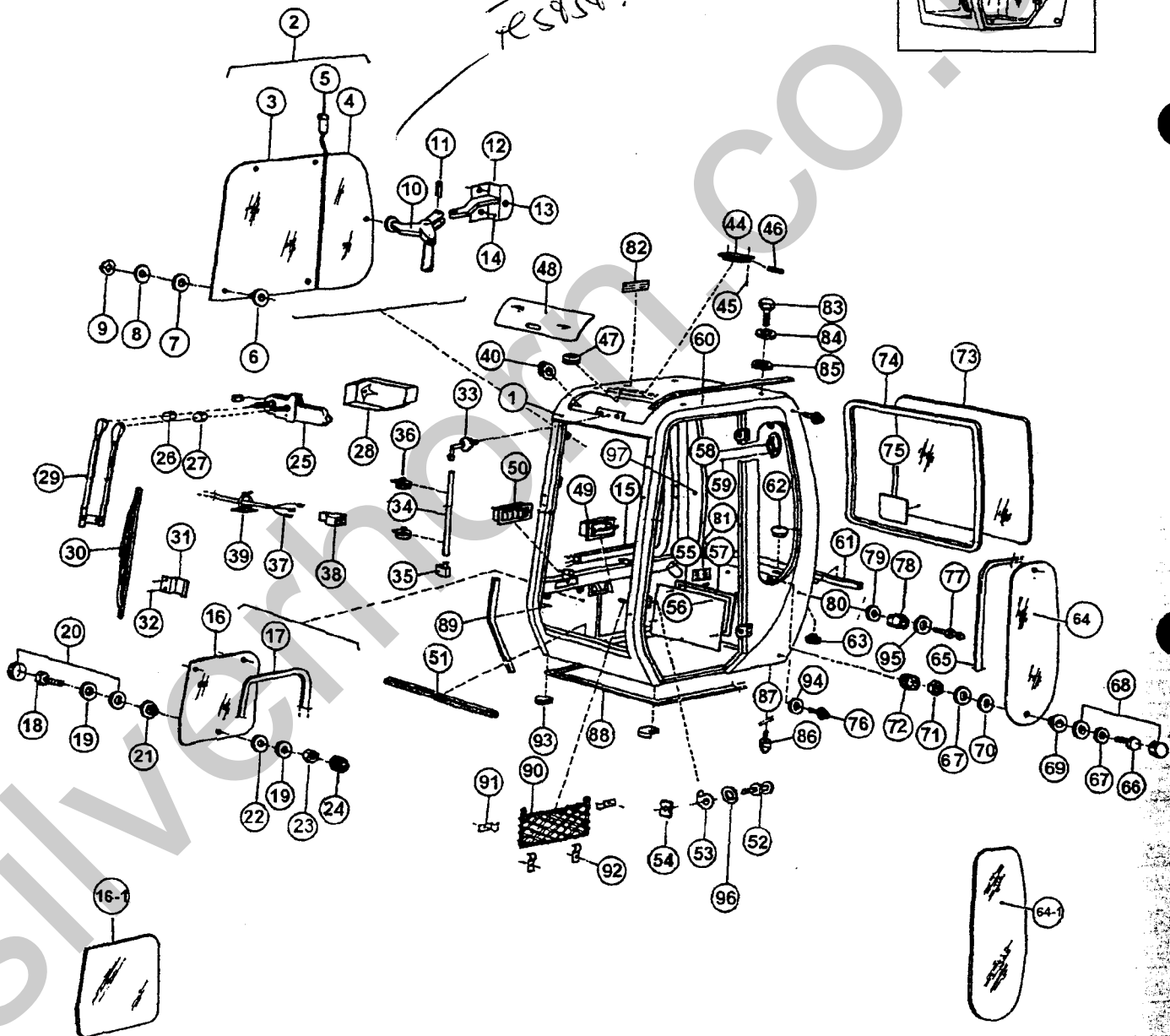
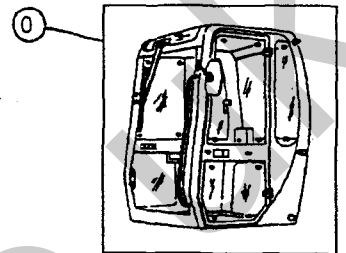
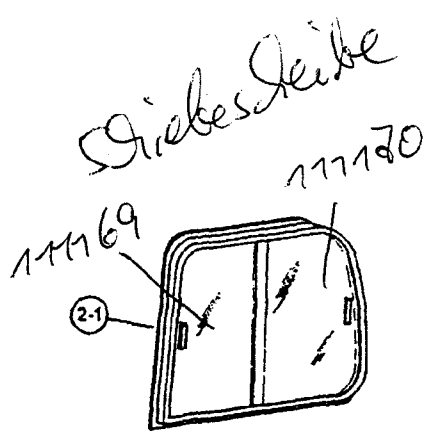


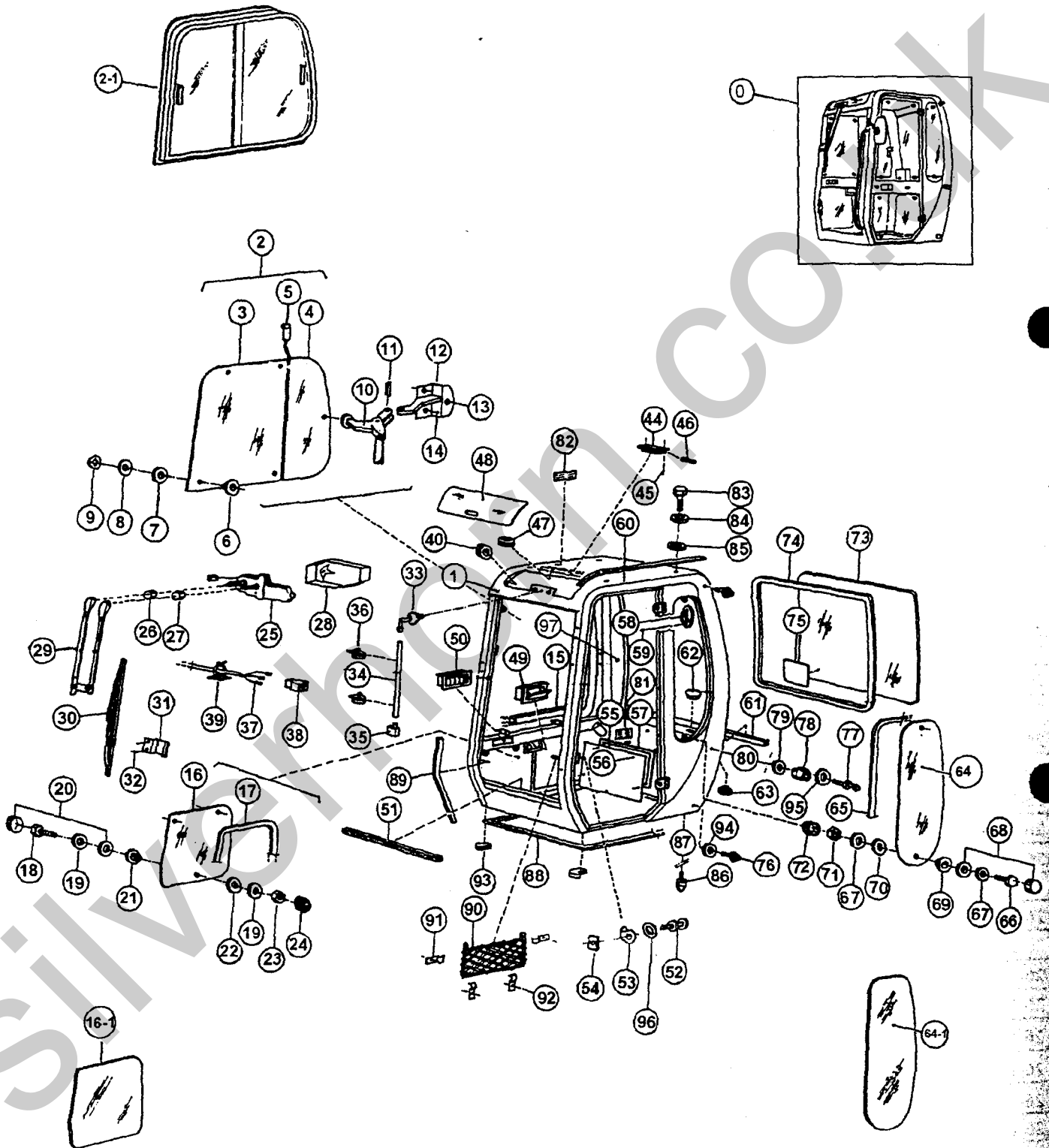
Fig 26-1

Cabin

A	B15CR-3	C	B17CR
B	B15PR-3	D	B17CR
E	B15CRE-3	G	B18CRE
F	B15PRE-3	H	B18PRE

Fig	I	Rep	L	o	PN	Designation	A	B	C	D	E	F	G	H	I	Rq
26-1	I	0	.		172451-68500	CABIN ASSY	1								Z	
26-1	I	0-1	.		172464-68500	CABIN ASSY	1		1		1		1		N (1)	
26-1	I	1	.		602801	CABIN FRAME	1								Z	
26-1	I	1-1	.		603577	CABIN FRAME	1		1		1		1		N (1)	
26-1	I	2	..		602807	SASH ASSY (R)	1								Z	
26-1	I	2-1	..		109512	SASH ASSY (R)	1		1		1		1		N (1)	
26-1	I	3	...		108423	GLASS (R,F)	1								Z	
26-1	I	4	...		108424	GLASS (R,R)	1								Z	
26-1	I	5	...		101108	SILICON TUBE	1								Z	
26-1	I	6	..		102230	BUSH	4								Z	
26-1	I	7	..		100388	RUBBER WASHER	4								Z	
26-1	I	8	..		105807	BLACK WASHER	4								Z	
26-1	I	9	..		102908	PLUG	4								Z	
26-1	I	10	..		108512	GLASS HANDLE	1								Z	
26-1	I	11	..		106003	PIN	1								Z	
26-1	I	12	..		602821	RIGHT GLASS STOP	1								Z	
26-1	I	13	..		106851	SCREW M6x16	1								Z	
26-1	I	14a	..		106851	SCREW M6x16	2								Z	
26-1	I	14b	..		100286	WASHER JZC 6	2								Z	
26-1	I	14c	..		100244	NUT HM6	2								Z	
26-1	I	14d	..		100901	PLUG 6	2								Z	
26-1	I	15	..		313762	SETTING GLASS	1								Z	
26-1		16	..		108815	SIDE GLASS	1		1		1		1			
26-1		17	..		314073	SEAL	1								Z	
26-1	I	18	..		101478	SCREW HM8X30	3								Z	
26-1	I	19	..		102542	WASHER 8x19x1.5	6								Z	
26-1	I	20	..		103918	CAP NUT 6/10	3								Z	
26-1	I	21	..		102230	BUSH	3								Z	
26-1	I	22	..		103012	RUBBER WASHER	3								Z	
26-1	I	23	..		100771	NUT 8	3								Z	
26-1	I	24	..		100830	CAP NUT 8	3								Z	
26-1	I	25	..		106004	WIPER MOTOR	1		1		1		1			
26-1		26	..		310688	SPACER Ø25	1		1		1		1			
26-1		27	..		310689	SPACER Ø27	1		1		1		1			
26-1		28	..		106956	WIPER MOTOR COVER	1		1		1		1			
26-1		29	..		105708	WIPER ARM	1		1		1		1			
26-1		30	..		105715	WIPER BLADE	1		1		1		1			
26-1		31	..		309877	WIPER HOLDER	1		1		1		1			
26-1		32	..		100159	SCREW M5x8	2		2		2		2			
26-1		33	..		107392	JOINT	1		1		1		1			
26-1		34	..		312446	HOSE	1		1		1		1			
26-1		35	..		105834	NOZZLE	1		1		1		1			
26-1		36	..		104228	CLAMP	2		2		2		2			
26-1		37	..		108433	HARNESS	1		1		1		1			
26-1		38	..		105261	CONNECTOR	1		1		1		1			
26-1		39	..		105051	CLAMP	2		2		2		2			
26-1		40	..		105800	GROMMET	1		1		1		1			
26-1		44	..		103406	LAMP, ROOM	1		1		1		1			

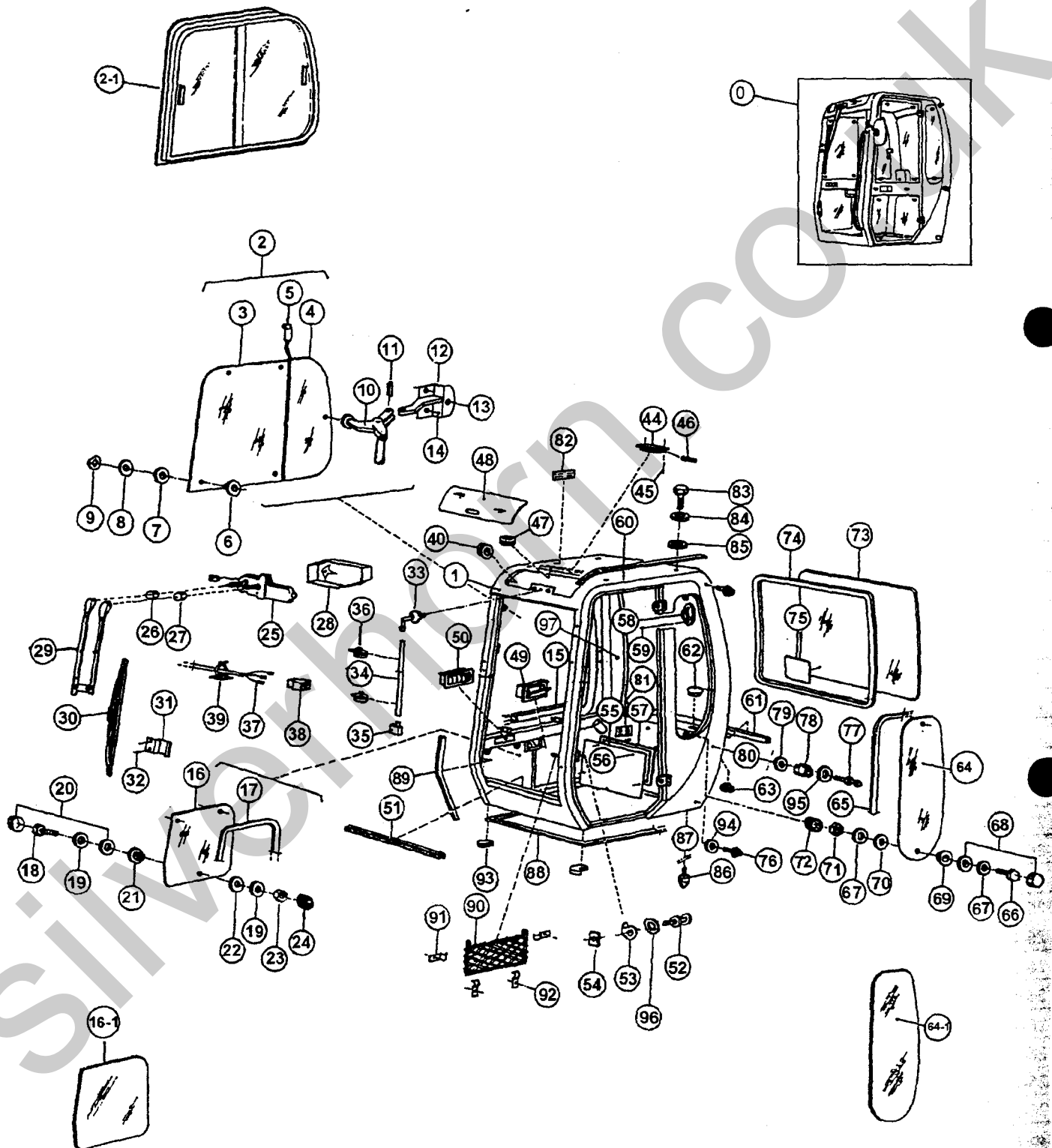
Fig 26_1 CABIN



B	B15PR-3	D	B17CR-3
E	B15CRE-3	G	B18CRE
F	B15PRE-3	H	B18PRE

Fig	I	Rep	L	o	PN	Designation	A	B	C	D	E	F	G	H	I	Rq
26-1		45	..		101133	SCREW M3.5x12.7	2		2		2		2			
26-1		46	..		100123	BULB	1		1		1		1			
26-1		47	..		102540	GROMMET	3								K	
26-1		47-1	..		102540	GROMMET	1		1		1		1		K	
26-1		48	..		108505	GLASS, ROOF	1		1		1		1			
26-1		49	..		103897	ASH TRAY	1		1		1		1			
26-1		50	..		106467	NOZZLE DEFROSTER	1		1		1		1			
26-1	I	51	..		305136	BRUSH SEAL	1		1		1		1			
26-1	I	52	..		103793	LATCH	1		1		1		1			
26-1		53	..		105560	PROTECTOR	1		1		1		1			
26-1		54	..		304433	PLATE	1		1		1		1			
26-1		55	..		309878	COVER	1		1		1		1			
26-1		56a	..		100704	WASHER	5		5		5		5			
26-1		56b	..		100167	NUT 6	5		5		5		5			
26-1		57	..		310327	FOAM RUBBER	1		1		1		1			
26-1		58	..		105047	HOOK	1		1		1		1			
26-1		59	..		101133	SCREW	2		2		2		2			
26-1		60	..		312197	SEAL	1		1		1		1			
26-1		61	..		106589	FOAM RUBBER	1		1		1		1			
26-1	I	62	..		107165	GROMMET	1								K	
26-1	I	62-1	..		107165	GROMMET	2		2		2		2		K	(1)
26-1		63	..		105561	PLUG	2		2		2		2			
26-1		64	..		108816	SIDE GLASS	1		1		1		1			
26-1	I	65	..		314074	SEAL, GLASS	1								Z	
26-1	I	66	..		101478	SCREW HM8x30	2								Z	
26-1	I	67	..		102542	WASHER	4								Z	
26-1	I	68	..		103918	CAP NUT 6/10	2								Z	
26-1	I	69	..		102230	RING	2								Z	
26-1	I	70	..		103012	RUBBER WASHER	2								Z	
26-1	I	71	..		100771	NUT 8	2								Z	
26-1	I	72	..		100830	CAP NUT 8	2								Z	
26-1		73	..		108507	REAR GLASS	1		1		1		1			
26-1		74	..		310104	SEAL, GLASS	1		1		1		1			
26-1		75	..		107999	BLACK LABEL	1		1		1		1			
26-1		76	..		106563	STOPPER	2		2		2		2			
26-1		77	..		106539	OPEN DOOR LOCK	1		1		1		1			
26-1		78	..		106644	COVER	1		1		1		1			
26-1		79	..		313604	BUSH	1		1		1		1			
26-1		80a	..		100177	WASHER	1		1		1		1			
26-1		80b	..		100172	WASHER	1		1		1		1			
26-1		80c	..		100242	NUT	1		1		1		1			
26-1		81	..		110553	CERTIFICATION PLATE	1		1		1		1			
26-1		82	..		106087	NAME PLATE	1		1		1		1			
26-1		83	..		100260	SCREW HM16x30	4		4		4		4			
26-1		84	..		102652	WASHER 16x30x2.5	4		4		4		4			
26-1		85	..		112754	WASHER 15x30x2	4		4		4		4			
26-1		86	..		106567	PIN	1		1		1		1			
26-1		88	..		310105	FOAM RUBBER 20x4	1		1		1		1			

Fig 26_1 CABIN

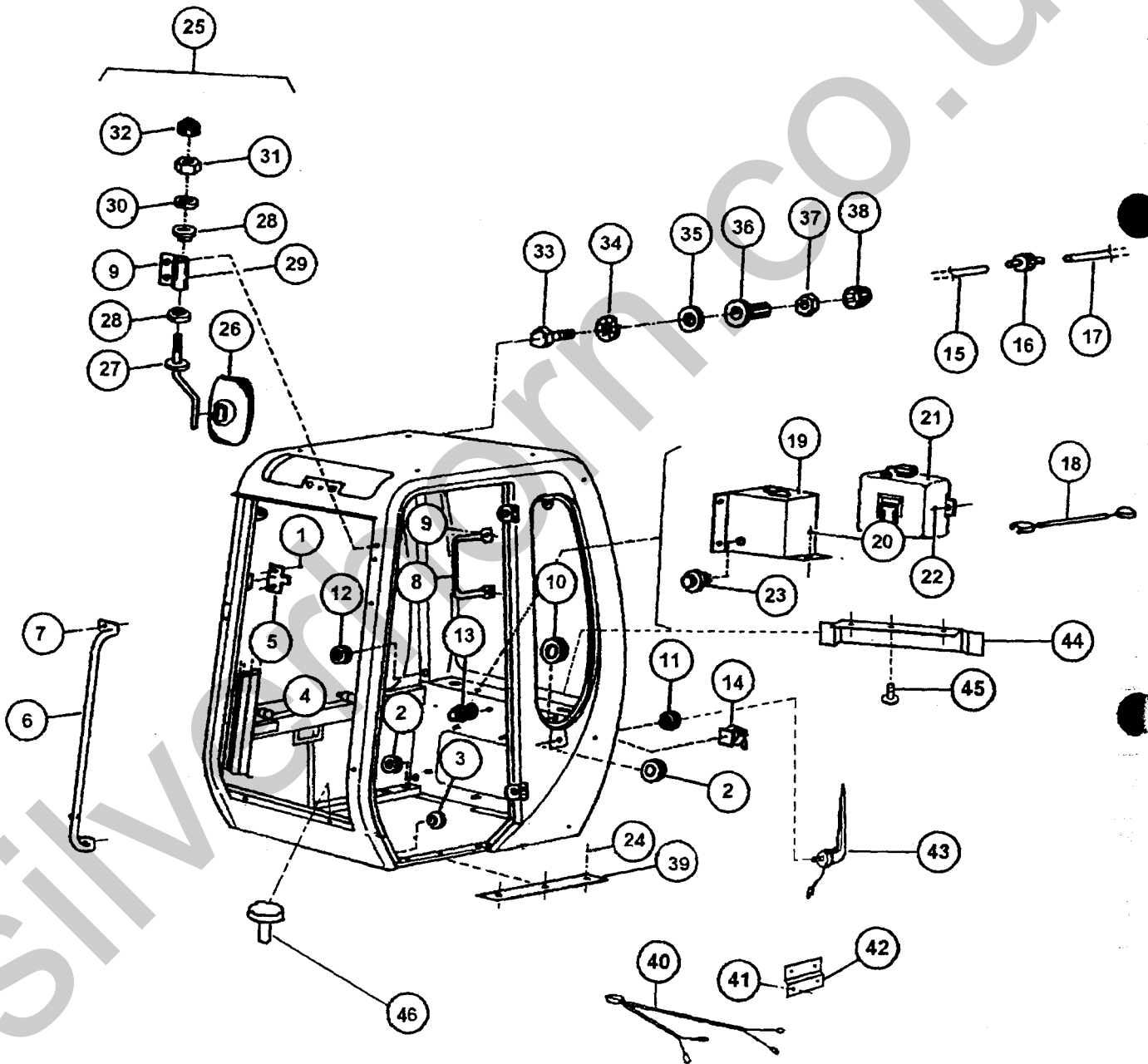


A	B15CR -3	C	B17CR -3
B	B15PR -3	D	B17CR -3
E	B15CRE-3	G	B18CRE
F	B15PRE-3	H	B18PRE

[illegible]

(1) NEWLY ADOPTED ON B15-3

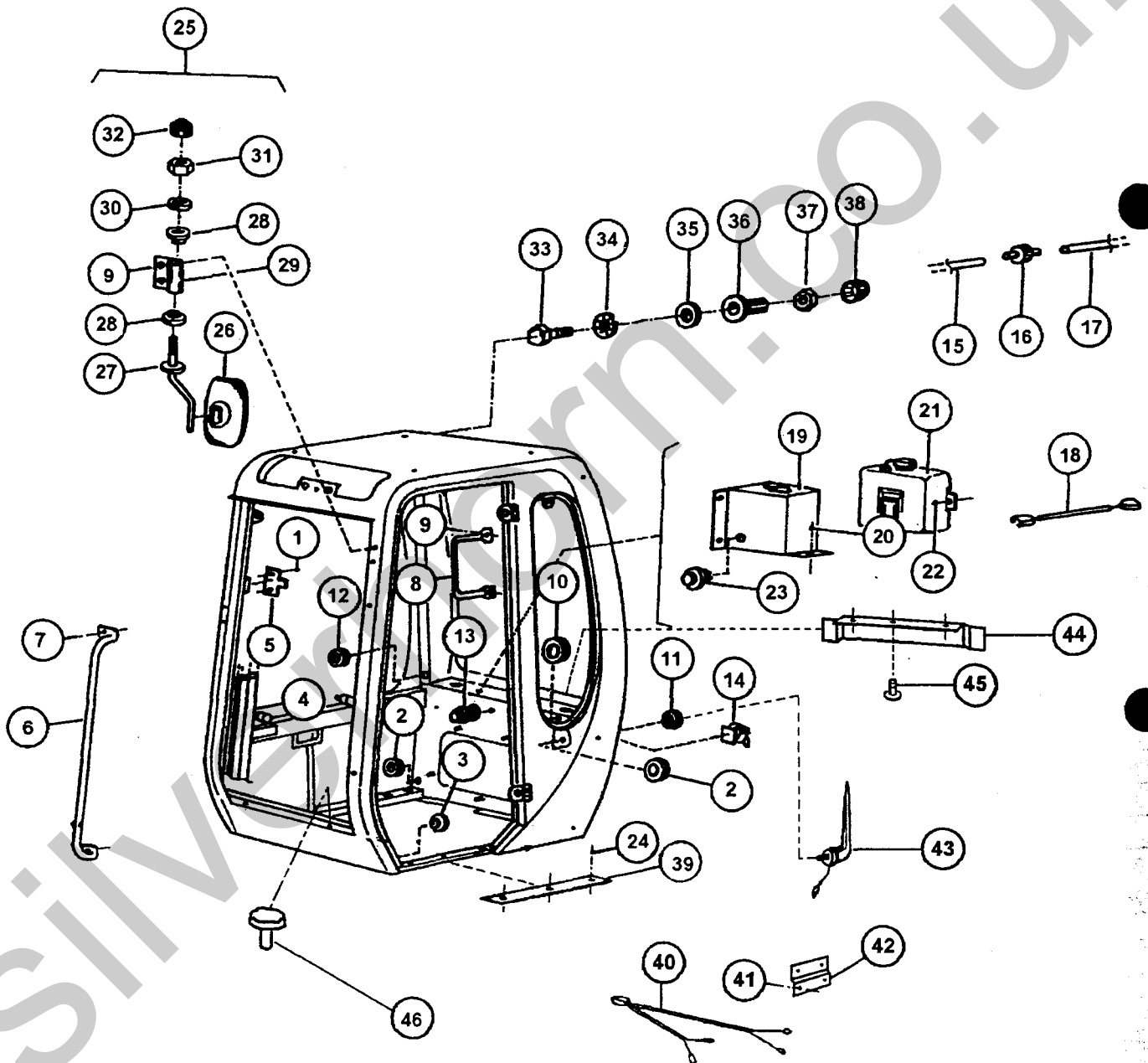
Fig 26-2 CABIN



A	B15PR-3	C	B17CR-3
B	B15PR-3	D	B17CR-3
E	B15CRE-3	G	B18CRE
F	B15PRE-3	H	B18PRE

Fig	I	Rep	L o	PN	Designation	A	B	C	D	E	F	G	H	I	Rq
26-2		1	..	106851	SCREW M6x16	4		4		4		4			
26-2		2	..	102540	GROMMET	2		2		2		2			
26-2		3	..	101764	PLUG	2		2		2		2			
26-2		4	..	313763	SEAL, FRONT GLASS	1		1		1		1			
26-2		5	..	107457	LATCH	2		2		2		2			
26-2		6	..	309710	HANDLE OUTSIDE	1		1		1		1			
26-2		7a	..	100173	WASHER	2		2		2		2			
26-2		7b	..	101017	SCREW HM8x25	2		2		2		2			
26-2		7c	..	100830	NUT CAP	2		2		2		2			
26-2		8	..	310118	HANDLE INSIDE	1		1		1		1			
26-2		9a	..	100173	WASHER	2		2		2		2			
26-2		9b	..	101017	SCREW HM8x25	2		2		2		2			
26-2		9c	..	100830	NUT CAP 8	2		2		2		2			
26-2		10	..	100543	GROMMET	1		1		1		1			
26-2		11	..	100175	WASHER	1		1		1		1			
26-2		12	..	103627	GROMMET	1		1		1		1			
26-2		13	..	104858	SEAT STOP	1		1		1		1			
26-2		14	..	105051	CLAMP	5		5		5		5			
26-2		15	..	312675	HOSE	1		1		1		1			
26-2		16	..	105470	CHECK-VALVE	1		1		1		1			
26-2		17	..	303796	HOSE	1		1		1		1			
26-2		18	..	107900	WIRE	1		1		1		1			
26-2		19	..	602660	TANK COVER	1		1		1		1			
26-2		20a	..	102650	SCREW	3		3		3		3			
26-2		20b	..	105259	WASHER	3		3		3		3			
26-2		21	..	107342	WATER TANK	1		1		1		1			
26-2		22a	..	100158	SCREW M6x12	2		2		2		2			
26-2		22b	..	100704	WASHER	2		2		2		2			
26-2		23	..	107972	SWITCH	1		1		1		1			
26-2		24	..	100158	SCREW M6x12	3		3		3		3			
26-2		25	..	701289	BACK MIRROR ASSY	1		1		1		1			
26-2		26	...	103724	BACK MIRROR	1		1		1		1			
26-2		27	...	103725	ARM MIRROR	1		1		1		1			
26-2		28	...	103726	BUSH	2		2		2		2			
26-2		29	...	107140	BRACKET	1		1		1		1			
26-2		30	...	101535	WASHER 10.5x21x2	1		1		1		1			
26-2		31	...	106880	NUT 10	1		1		1		1			
26-2		32	...	101314	CAP NUT 10	1		1		1		1			
26-2		33	..	107361	SCREW HM6x25	1		1		1		1			
26-2		34	..	100174	WASHER 6	1		1		1		1			
26-2		35	..	100704	WASHER 6x18x1	1		1		1		1			
26-2		36	..	106824	SEAL NUT M6	1		1		1		1			
26-2		37	..	106826	NUT HM 6	1		1		1		1			
26-2		38	..	100901	CAP NUT 6	1		1		1		1			
26-2	I	39	..	310321	STEP	1								Z	
26-2	I	39-1	..	317613	STEP	1		1		1		1		N (1)	
26-2		40	..	106512	HARNESS	1		1		1		1			
26-2		41a	..	100158	SCREW M6x12	2		2		2		2			

Fig 26-2 CABIN



A	B15CR-3	C	B17CR-3
B	B15PR-3	D	B17CR-3
E	B15CRE-3	G	B18CRE
F	B15PRE-3	H	B18PRE

[illegible]

(1) NEWLY ADOPTED ON B15-3

Fig.26-3 CABIN

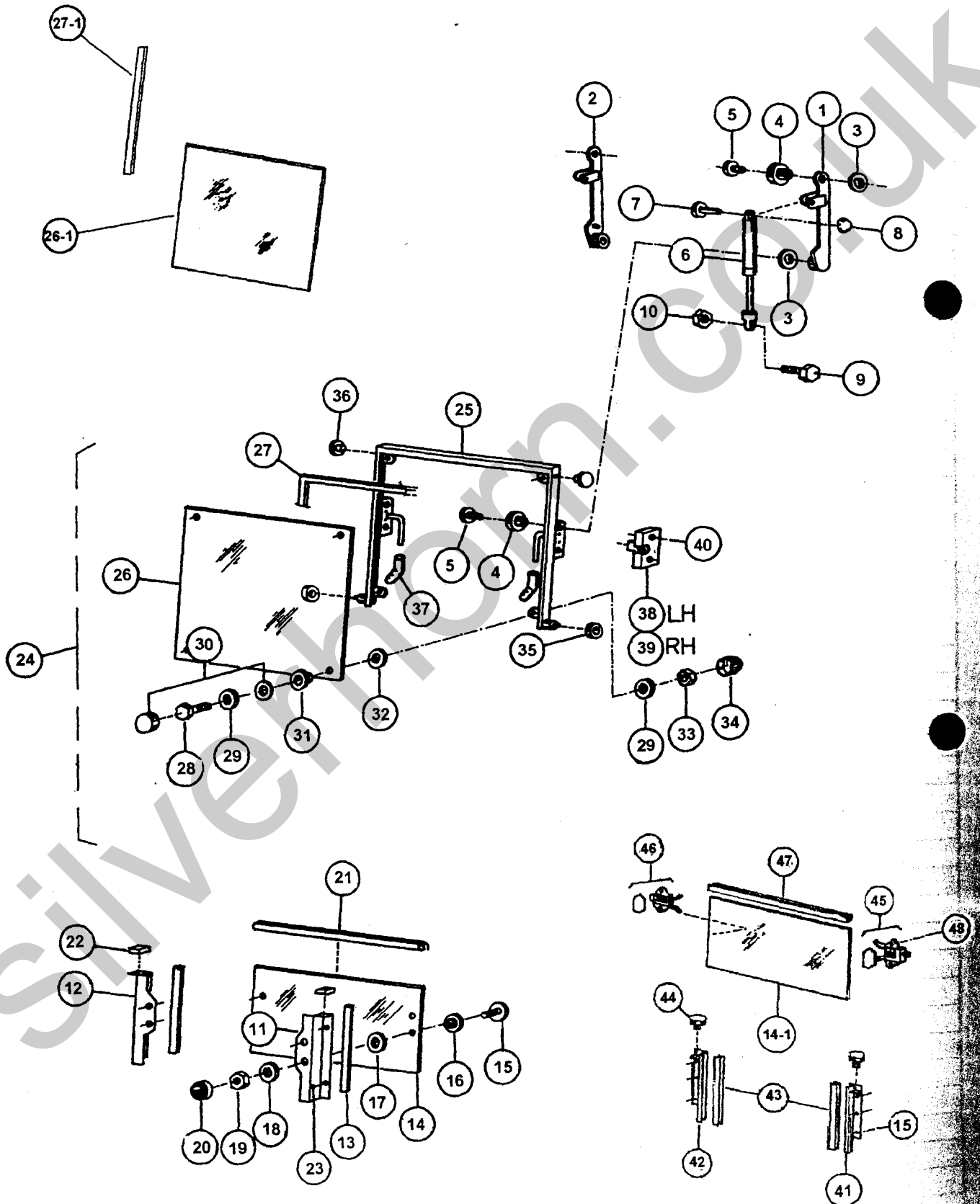
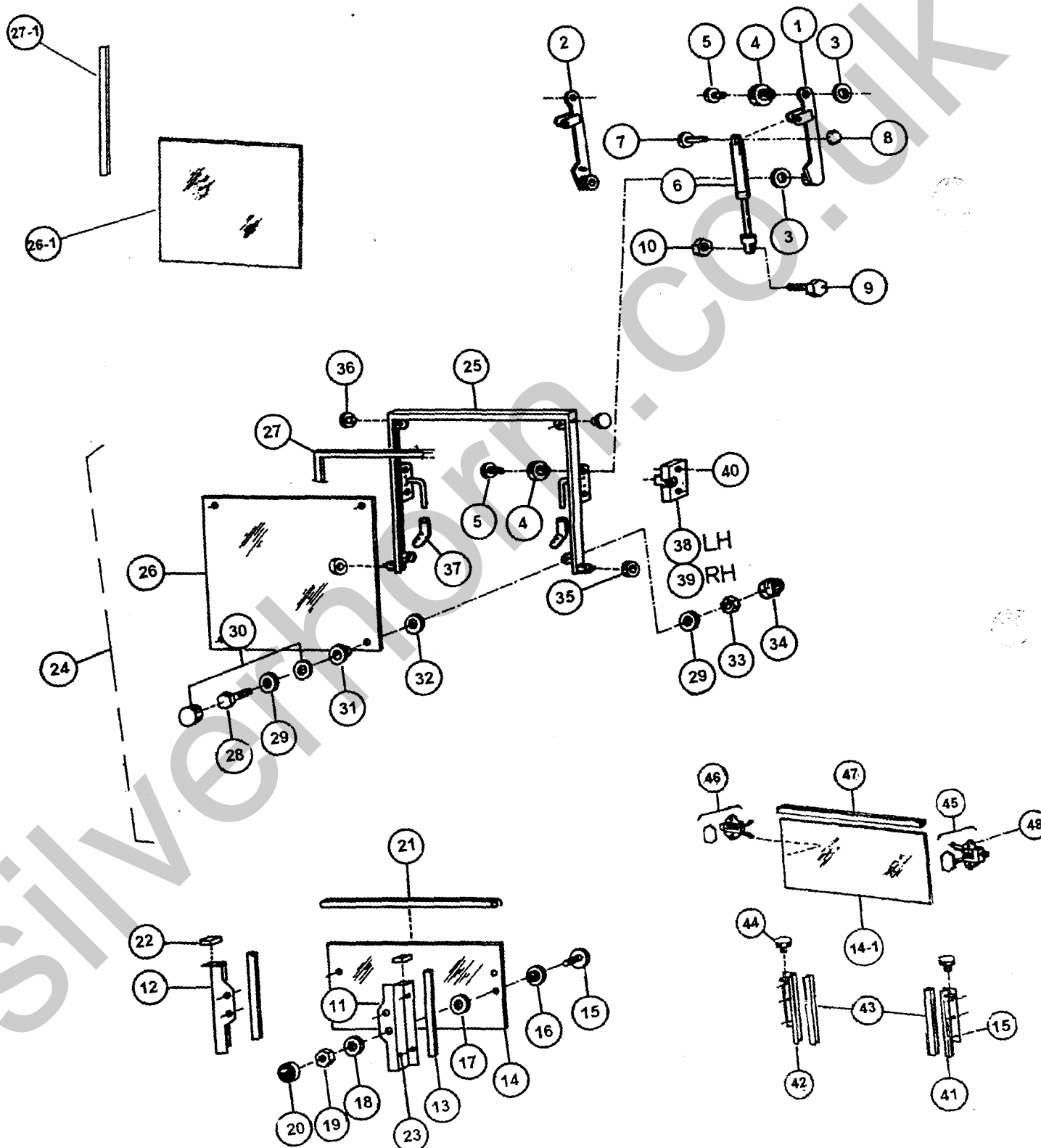


Fig 26-3

B	B15PRE-3	D	B17CR-3
E	B15CRE-3	G	B18CRE
F	B15PRE-3	H	B18PRE

Fig	I	Rep	L	o	PN	Designation	A	B	C	D	E	F	G	H	I	Rq
26-3		1	.		602798	LEFT ARM	1		1		1		1			
26-3		2	.		602799	RIGHT ARM	1		1		1		1			
26-3		3	.		106767	WASHER	4		4		4		4			
26-3		4	.		106768	BUSH	4		4		4		4			
26-3		5	.		106785	SCREW	4		4		4		4			
26-3		6	.		106109	GAS SPRING	2		2		2		2			
26-3		7	.		106282	PIN	2		2		2		2			
26-3		8	.		102634	CAP NUT 8	2		2		2		2			
26-3		9	.		101017	SCREW HM8x25	2		2		2		2			
26-3		10	.		100771	NUT 8	2		2		2		2			
26-3	I	11	.		313605	BRACKET (L)	1								Z	
26-3	I	12	.		313606	BRACKET (R)	1								Z	
26-3	I	13	.		313783	SPONGY	2								Z	
26-3	I	14	.		108508	GLASS	1		1		1		1			
26-3		15	.		106851	SCREW M6x16	6		6		6		6			
26-3	I	16	.		102230	BUSH	4								Z	
26-3	I	17	.		100549	WASHER	4								Z	
26-3	I	18	.		100704	WASHER	4								Z	
26-3	I	19	.		100167	NUT 6	4								Z	
26-3	I	20	.		100901	CAP 16	4								Z	
26-3	I	21	.		303235	SEAL	1								Z	
26-3	I	22	.		104808	STOP	3								Z	
26-3	I	23	.		106851	SCREW M6x16	4								Z	
26-3	I	24	.		702455	FRONT GLASS ASSY	1								Z	
26-3	I	24-1	..		702406	FRONT SHIELD ASSY	1		1		1		1		N (1)	
26-3	I	25	...		602872	FRONT GLASS FRAME	1								Z	
26-3	I	25-1	...		602797	FRONT GLASS FRAME	1		1		1		1		N	
26-3		26	...		108817	FRONT GLASS	1		1		1		1			
26-3	I	27	...		314077	SEAL	1								Z	
26-3	I	27-1	...		310107	SEAL	2		2		2		2		N (1)	
26-3	I	28	...		100281	SCREW HM8x35	4								Z	
26-3	I	29	...		102542	WASHER	8								Z	
26-3	I	30	...		103918	CAP NUT 6/10	4								Z	
26-3	I	31	...		102230	BUSH	4								Z	
26-3	I	32	...		103012	WASHER	4								Z	
26-3	I	33	...		100771	NUT	4								Z	
26-3	I	34	...		100830	CAP NUT 8	4								Z	
26-3		35	...		106468	BUSH	2		2		2		2			
26-3		36	...		106793	PLUG	2		2		2		2			
26-3		37	...		107287	HANDLE	2		2		2		2			
26-3		38	.		106794	LOCK (LH)	1		1		1		1			
26-3		39	.		106795	LOCK (RH)	1		1		1		1			
26-3		40a	.		105343	SCREW M8x40	4		4		4		4			
26-3		40b	.		100516	WASHER 8	4		4		4		4			
26-3		40c	.		100243	NUT M8	4		4		4		4			
26-3		40d	.		100830	CAP NUT 8	4		4		4		4			
26-3	I	41	.		602202	LEFT SUPPORT	1		1		1		1		N (1)	
26-3	I	42	.		602203	RIGHT SUPPORT	1		1		1		1		N (1)	

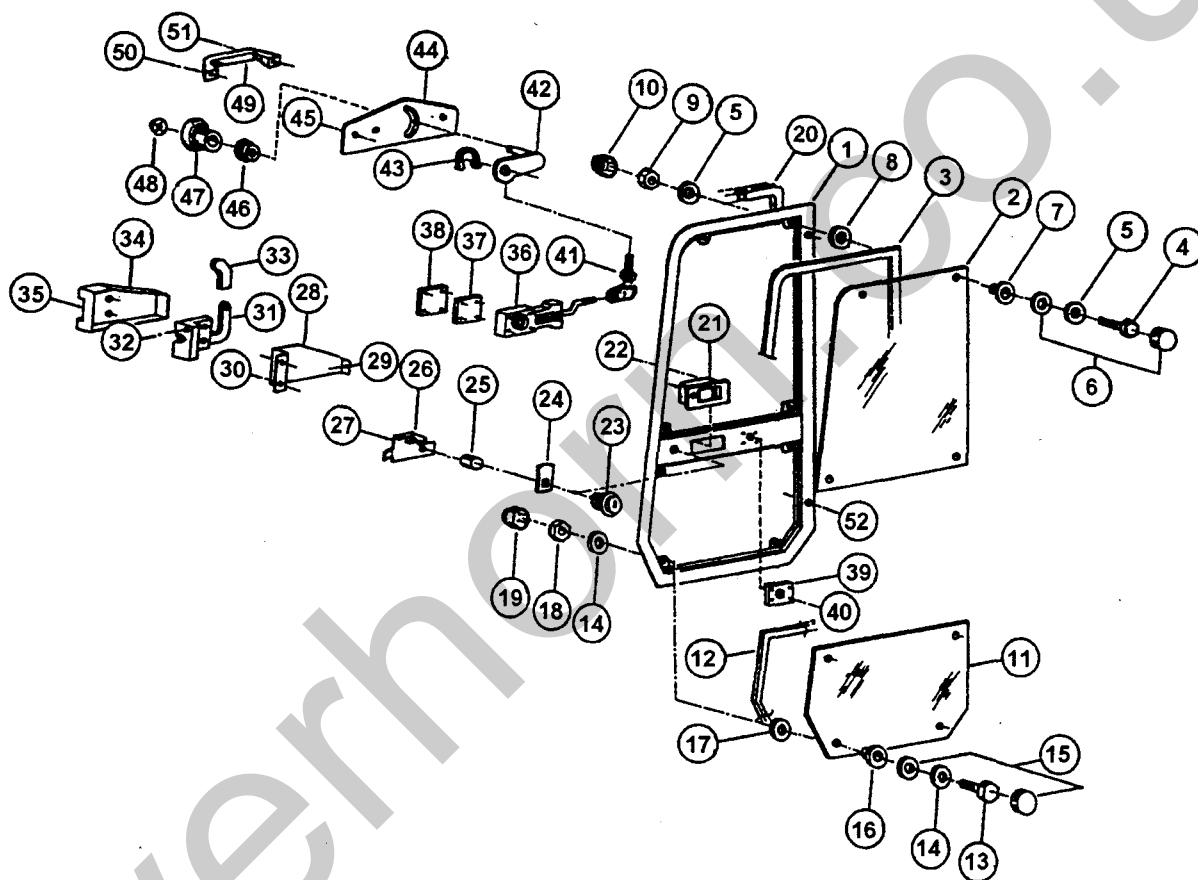


A	B15CR-3	C	B17CR-3
B	B15PR-3	D	B17CR-3
E	B15CRE-3	G	B18CRE
F	B15PRE-3	H	B18PRE

[illegible]

(1) NEWLY ADOPTED ON B15-3

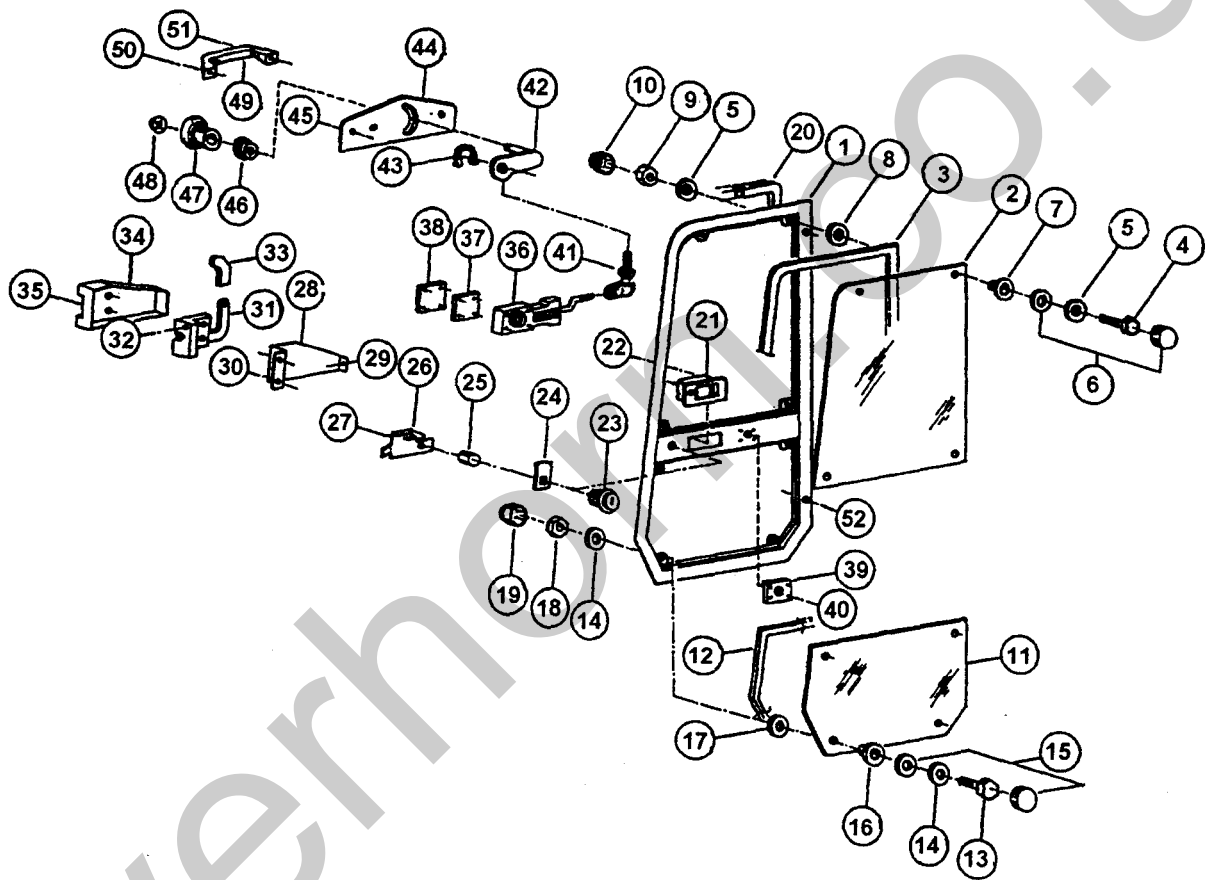
Fig.26-4 CABIN



A	B15CR-3	C	B17CR-3
B	B15PR-3	D	B17CR-3
E	B15CRE-3	G	B18CRE
F	B15PRE-3	H	B18PRE

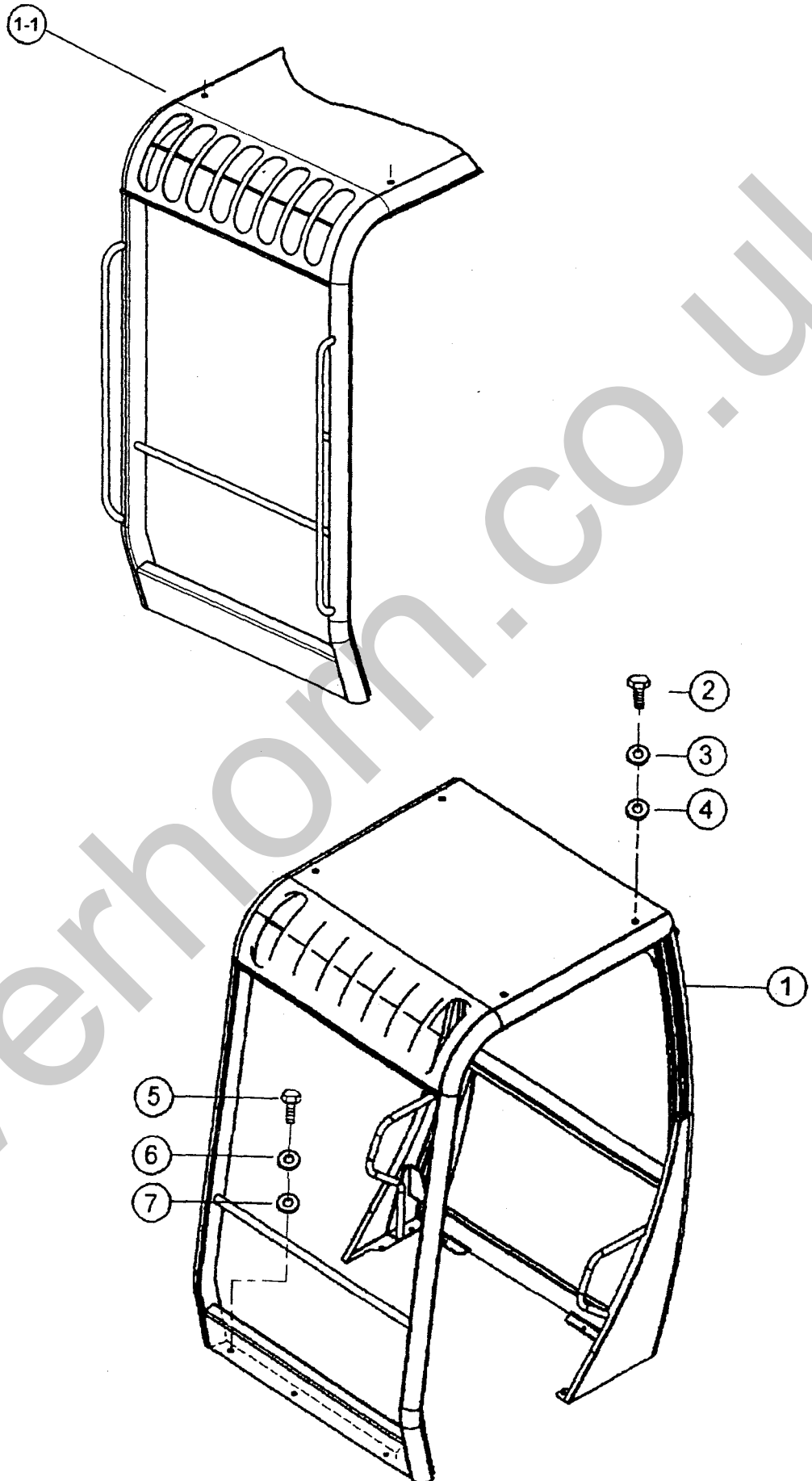
Fig	I	Rep	L	o	PN	Designation	A	B	C	D	E	F	G	H	I	Rq
26-4	I	0	.		702456	DOOR ASSY	1								Z	
26-4	I	0	.		702407	DOOR ASSY	1		1		1		1		N (1)	
26-4	I	1	..		602871	DOOR FRAME	1								Z	
26-4	I	1-1	..		602796	DOOR FRAME	1		1		1		1		N (1)	
26-4		2	..		108818	UPPER GLASS	1		1		1		1			
26-4	I	3	..		314075	SEAL	1								Z	
26-4	I	3-1	..		311306	SEAL	1		1		1		1		N (1)	
26-4	I	4	..		101478	SCREW	4								Z	
26-4	I	5	..		102542	WASHER	8								Z	
26-4	I	6	..		103918	CAP NUT 6/10	4								Z	
26-4	I	7	..		102230	BUSH	4								Z	
26-4	I	8	..		103012	WASHER	4								Z	
26-4	I	9	..		100771	NUT 8	4								Z	
26-4	I	10	..		100830	CAP NUT 8	4								Z	
26-4		11	..		108819	LOWER GLASS	1		1		1		1			
26-4		11	..		108819	LOWER GLASS	1		1		1		1			
26-4	I	12	..		314076	SEAL	1								Z	
26-4	I	13	..		101478	SCREW HM8x30	4								Z	
26-4	I	14	..		102542	WASHER	8								Z	
26-4	I	15	..		103918	CAP NUT 6/10	4								Z	
26-4	I	16	..		102230	BUSH	4								Z	
26-4	I	17	..		103012	WASHER	4								Z	
26-4	I	18	..		100771	NUT 8	4								Z	
26-4	I	19	..		100830	CAP NUT 8	4								Z	
26-4		20	..		311306	SEAL	1		1		1		1			
26-4		21	..		105701	OUTSIDE HANDLE	1		1		1		1			
26-4		22	..		102650	SCREW M5x12	2		2		2		2			
26-4		23	..		172162-69460	LOCK CYLINDER	1		1		1		1			
26-4		24	..		307346	LATCH LOOK	1		1		1		1			
26-4		25	..		307345	SPACER	1		1		1		1			
26-4		26	..		309899	BRACKET	1		1		1		1			
26-4		28	..		602209	HOLDER	1		1		1		1			
26-4		30	..		100158	SCREW M6x12	2		2		2		2			
26-4		31	..		105823	LOCK	1		1		1		1			
26-4		33	..		105872	HANDLE GRIP	1		1		1		1			
26-4		34	..		105685	COVER	1		1		1		1			
26-4		36	..		108428	LOCK	1		1		1		1			
26-4		37	..		309732	RUBBER PLATE	1		1		1		1			
26-4		38	..		309116	BRACKET	1		1		1		1			
26-4		39	..		312454	PLATE	1		1		1		1			
26-4	I	40	..		107763	SCREW M4x25	4								Z	
26-4	I	40-1	..		107783	SCREW	4		4		4		4		N (1)	
26-4		41	..		108431	TOGGLE	1		1		1		1			
26-4		42	..		602800	STAND	1		1		1		1			
26-4		43	..		101578	CIRCLIP 12	1		1		1		1			
26-4		44	..		313592	COVER	1		1		1		1			
26-4		45	..		102650	SCREW M5x12	2		2		2		2			
26-4		46	..		102230	BUSH	1		1		1		1			

Fig.26-4 CA



[illegible]

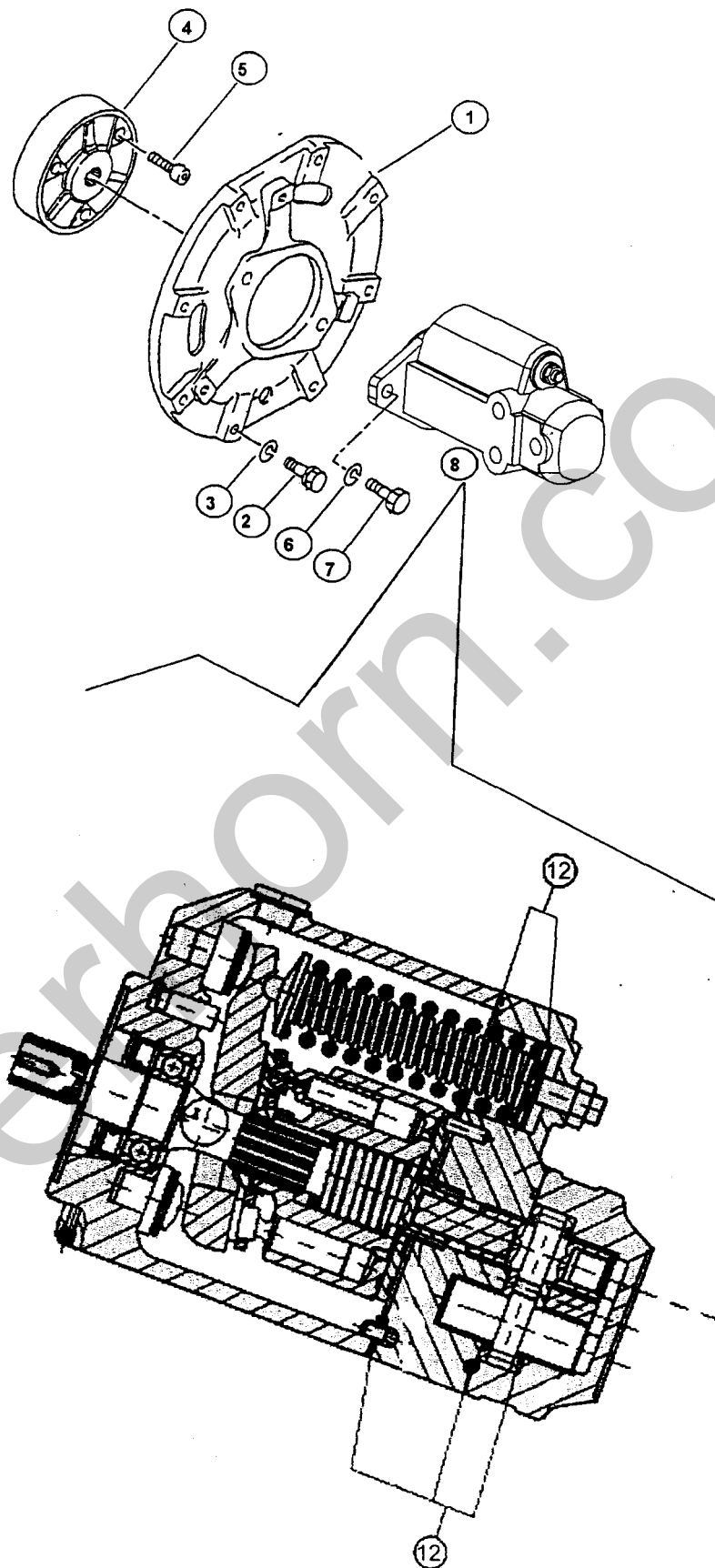
FIG 27 CANOPY



C	B17CR-3
D	B17CR-3
E	B18CRE-3
F	B15PRE-3
G	B18CRE
H	B18PRE

[illegible]

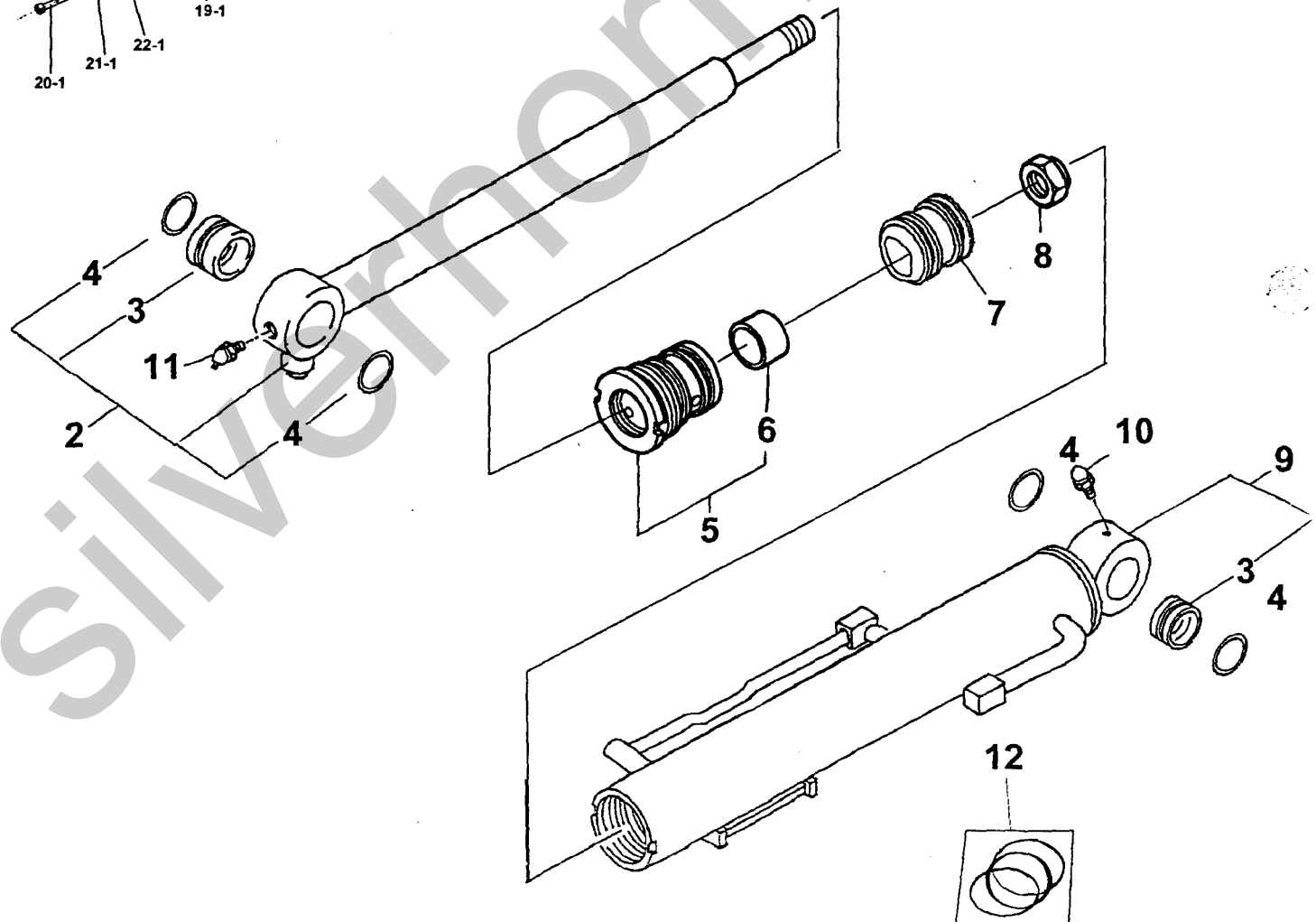
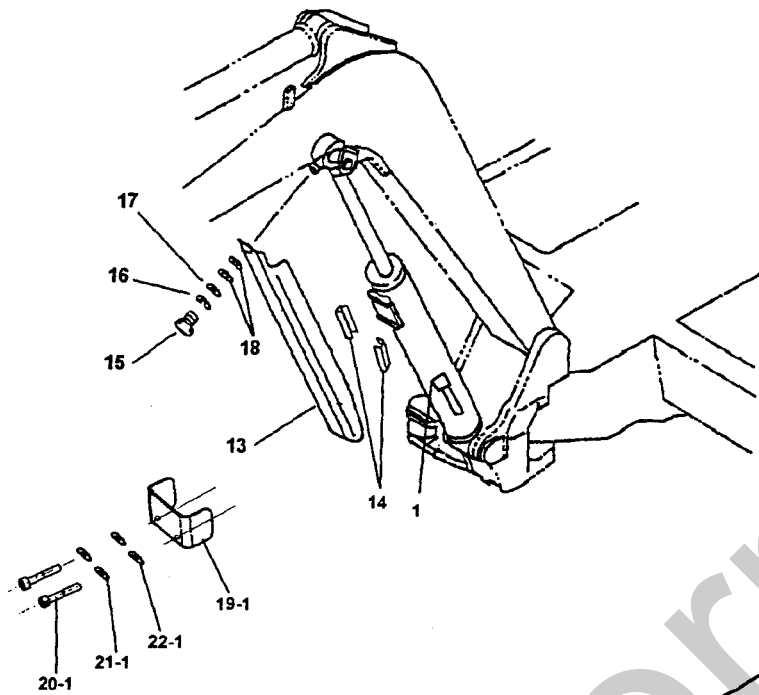
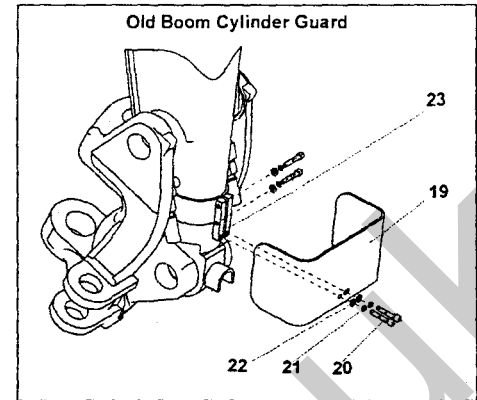
Fig 28 HYD OIL PUMP & JOINT



B15		7CR-3	
E	B15CRE-3	G	B18CRE
F	B15PRE-3	H	B18PRE

[illegible]

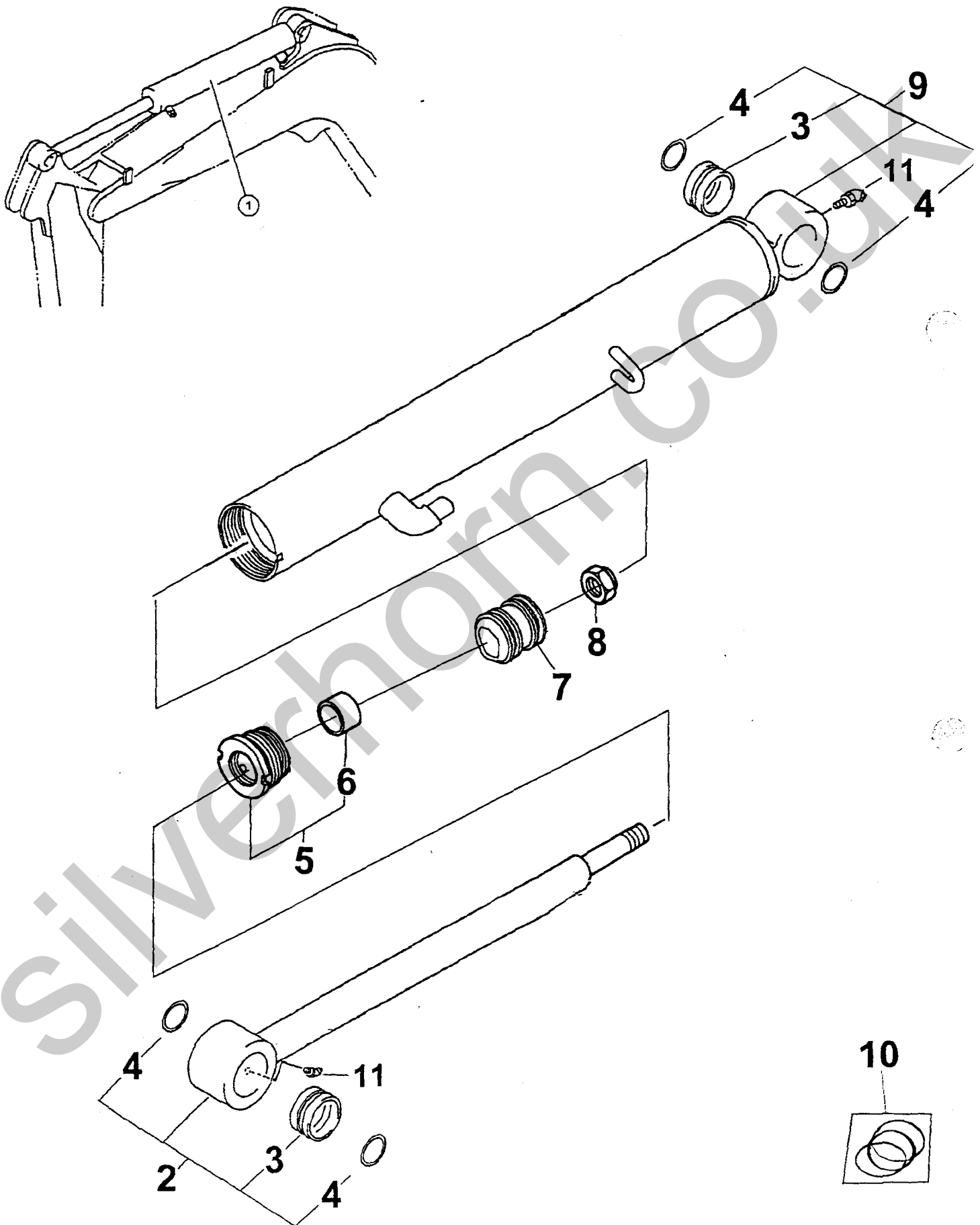
Fig 29 BOOM CYLINDER



A	B15CPRE		
B	B15PRE-3		
E	B15CRE-3	G	B15CRE
F	B15PRE-3	H	B18PRE

Fig	I	Rep	L	o	PN	Designation	A	B	C	D	E	F	G	H	I	Rq
29		1	.		172451-72100	CYLINDER ASSY, BOOM	1	1	1	1	1	1				
29		1	.		172464-72100	CYLINDER ASSY, BOOM							1	1		
29		2	..		172451-72120	PISTON ROD ASSY	1	1	1	1	1	1				
29		2	..		172464-72120	PISTON ROD ASSY							1	1		
29		3	...		172451-72590	BUSH 35x45x40	2	2	2	2	2	2				
29		4	...		172451-81270	DUST SEAL 35x45x4	4	4	4	4	4	4				
29		5	..		172451-72130	HEAD ASSY	1	1	1	1	1	1				
29		5	..		172464-72130	HEAD ASSY							1	1		
29		6	...		172451-72180	BEARING	1	1	1	1	1	1				
29		6	...		172464-72180	BEARING							1	1		
29		7	..		172451-72140	PISTON	1	1	1	1	1	1				
29		7	..		172464-72140	PISTON							1	1		
29		8	..		172451-72170	LOCK NUT	1	1	1	1	1	1				
29		8	..		172464-72170	LOCK NUT							1	1		
9		9	..	X	172451-72110	CYLINDER TUBE ASSY	1	1	1	1	1	1				
29		9	..	X	172464-72110	CYLINDER TUBE ASSY							1	1		
29		10	..		247610-20000	GREASE NIPPLE B	1	1	1	1	1	1				
29		11	..		247610-50000	GREASE NIPPLE	1	1	1	1	1	1				
29		12	..		172451-72190	SEAL KIT	1	1	1	1	1	1				
29		12	..		172464-72190	SEAL KIT							1	1		
29		13	.		172451-72230	COVER	1	1	1	1	1	1	1	1		
29		14	.		172162-61770	GUIDE SLIDE	2	2	2	2	2	2	2	2		
29		15	.		26116-100202	BOLT M10x20	1	1	1	1	1	1	1	1		
29		16	.		22217-100000	SPRING WASHER 10	1	1	1	1	1	1	1	1		
29		17	.		22157-100000	WASHER 10	1	1	1	1	1	1	1	1		
29		18	.		172159-72860	SPRING	2	2	2	2	2	2	2	2		
29	I	19	.		172451-72990	BOOM GUARD	1	1	1	1	1	1			Z	(1)
29	I	19-1	.		172464-72970	BOOM GUARD	1	1	1	1	1	1			Z	(2)
29	I	19-2	.		172464-72990	BOOM GUARD	1	1	1	1	1	1			N	(2)
29	I	20	.		264500-50302	SCREW M5x30	4	4	4	4	4	4			Z	(1)
29	I	20-1	.		264500-50202	SCREW M5x20	2	2	2	2	2	2			Z	(2)
29	I	20-2	.		264500-50352	SCREW M5x35	2	2	2	2	2	2			N	(2)
29	I	21	.		221170-50000	WASHER 5	4	4	4	4	4	4			Q	(1)
29	I	21-1	.		221170-50000	WASHER 5	2	2	2	2	2	2				
29	I	22	.		222170-50000	SPRING WASHER 5	4	4	4	4	4	4			Q	(1)
29	I	22-1	.		222170-50000	SPRING WASHER 5	2	2	2	2	2	2				

Fig 30 ARM CYLINDER

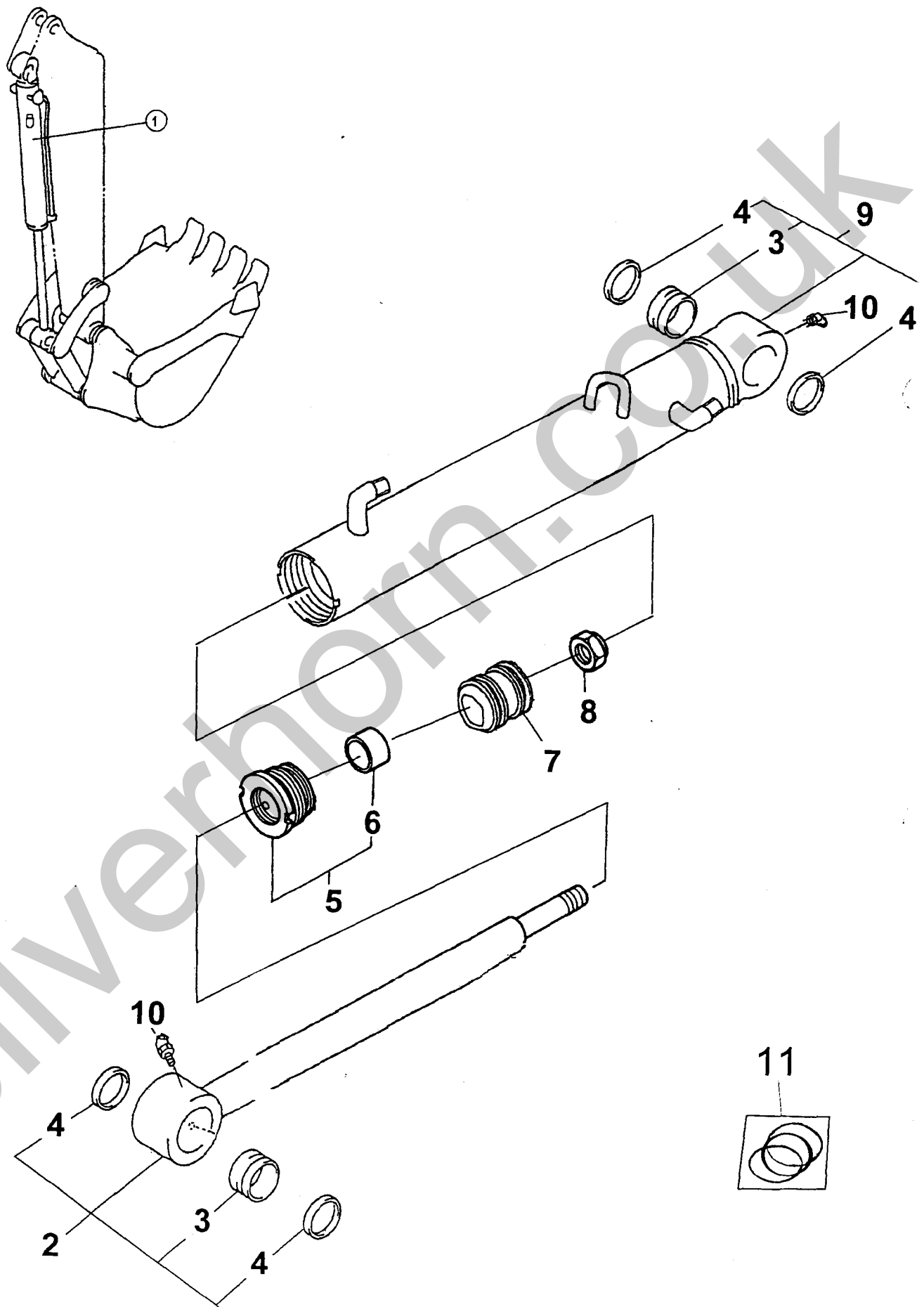


ARM CYLINDER R

A	B15CR-3	C	B17
B	B15PR-3	D	B17CR-3
E	B15CRE-3	G	B18CRE
F	B15PRE-3	H	B18PRE

[illegible]

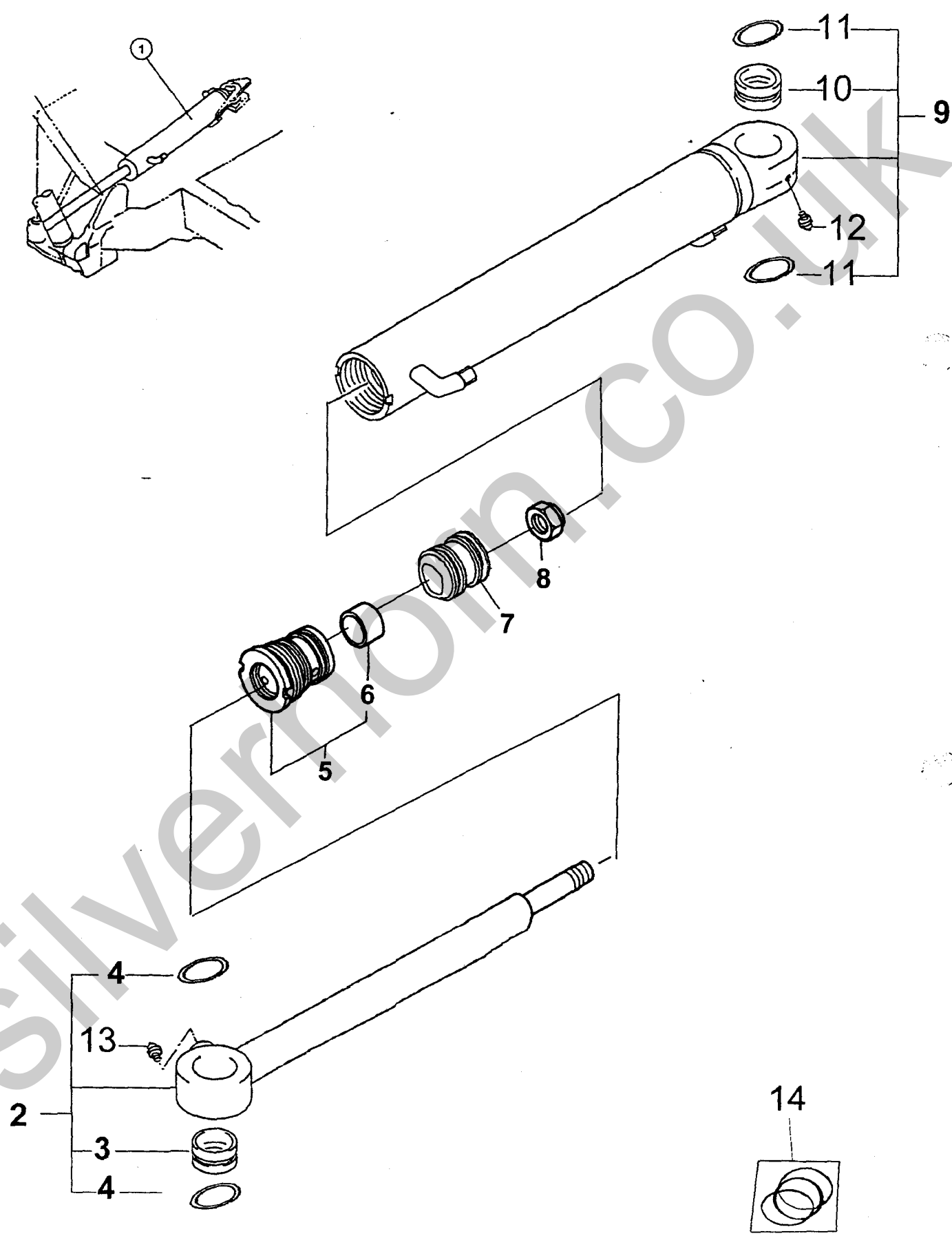
Fig 31 BUCKET CYLINDER



BUCKET CYLINDER...

[illegible]

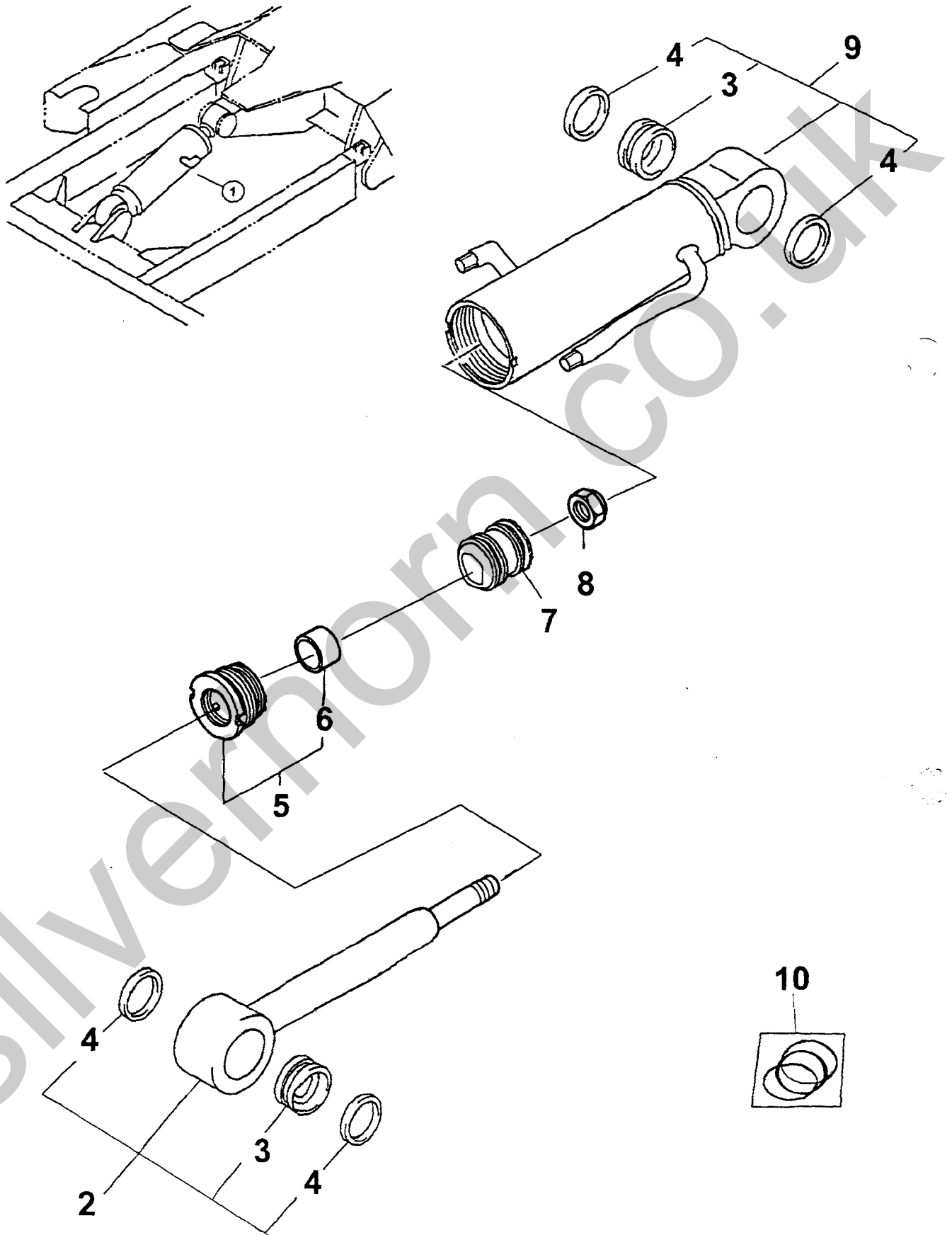
Fig 32 SWING CYLINDER



A	B15CR-3	C	B17CR-3
B	B15PR-3	D	B17CR-3
E	B15CRE-3	G	B18CRE
F	B15PRE-3	H	B18PRE

Fig	I	Rep	L	o	PN	Designation	A	B	C	D	E	F	G	H	I	Rq
32		1	.		172451-72400	SWING CYLINDER	1	1	1	1	1	1				
32		1	.		172464-72400	SWING CYLINDER							1	1		
32		2	..		172451-72420	PISTON ROD ASSY	1	1	1	1	1	1				
32		2	..		172464-72420	PISTON ROD ASSY							1	1		
32		3	...		172451-72330	BUSH 30x36x30	1	1	1	1	1	1				
32		3	...		172464-72480	BUSH 38x48x50							1	1		
32		4	...		172451-72290	DUST SEAL 30x40x4,2	2	2	2	2	2	2				
32		4	...		172464-72570	DUST SEAL							2	2		
32		5	..		172451-72430	HEAD ASSY	1	1	1	1	1	1				
32		5	..		172464-72450	HEAD ASSY							1	1		
32		6	...		172451-72450	BUSHING	1	1	1	1	1	1				
32		6	...		172464-72430	BUSHING							1	1		
32		7	..		172451-72440	PISTON	1	1	1	1	1	1				
32		7	..		172464-72440	PISTON							1	1		
2		8	..		172451-72460	LOCK NUT	1	1	1	1	1	1				
32		8	..		172464-72460	LOCK NUT							1	1		
32		9	..	X	172451-72410	CYLINDER TUBE	1	1	1	1	1	1				
32		9	..	X	172464-72490	CYLINDER TUBE							1	1		
32		10	..		172451-72490	BUSH 30x34x30	1	1	1	1	1	1				
32		10	..		172464-72460	BUSH 38x42x50							1	1		
32		11	..		172451-72480	DUST SEAL	2	2	2	2	2	2				
32		11	..		172464-72590	DUST SEAL							2	2		
32		12	..		247610-20000	GREASE NIPPLE PT 1/8	2	2	2	2	2	2	2	2		
32		14	..		172451-72470	SEAL KIT	1	1	1	1	1	1				
32		14	..		172464-72470	SEAL KIT							1	1		

Fig 33 BLADE CYLINDER



C	B17CR-3
D	B17CR-3
E	B15CRE-3
F	B15PRE-3

[illegible]

Fig 34 EXTEND CYCLE

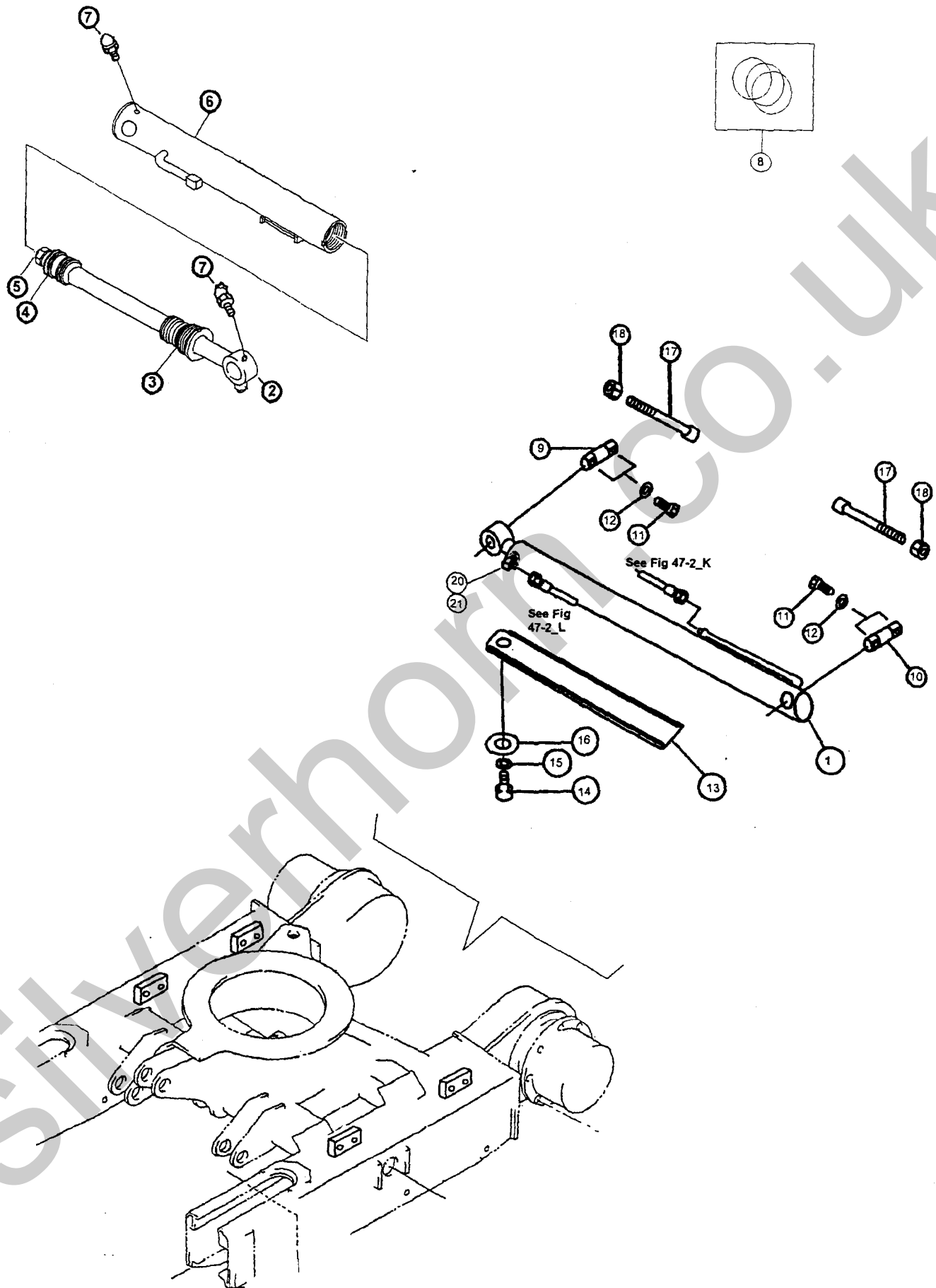
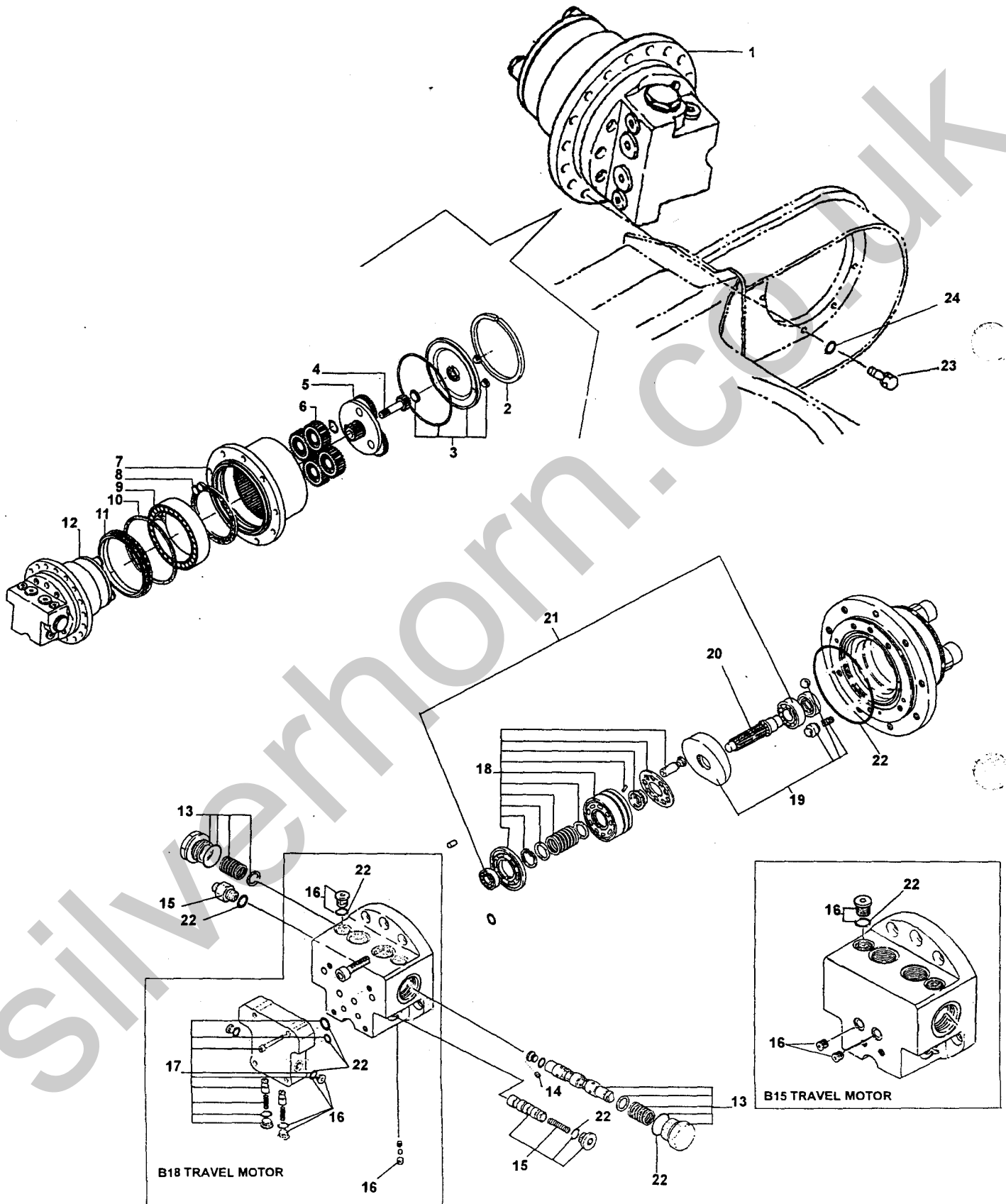


Fig 35 TRAVEL MOTOR



B15CR-3	C	B
B15PR-3	D	B17CR-3
B15CRE-3	G	B18CRE
B15PRE-3	H	B18PRE

Fig	I	Rep	L	o	PN	Designation	A	B	C	D	E	F	G	H	I	Rq
35		1	.		172451-73300	TRAVEL MOTOR	2	2	2	2						
35		1	.		172464-73300	TRAVEL MOTOR					2	2	2	2		
35		2	..		172451-71300	CIRCLIP	2	2	2	2						
35		2	..		172464-71300	CIRCLIP					2	2	2	2		
35		3	..		172451-71310	COVER ASSEMBLY	1	1	1	1						
35		3	..		172464-71310	COVER ASSEMBLY					1	1	1	1		
35		4	..		172451-71320	SUN GEAR	1	1	1	1						
35		4	..		172464-71320	SUN GEAR					1	1	1	1		
35		5	..		172451-71330	1st RED. ASSEMBLY	1	1	1	1						
35		5	..		172464-71330	1st RED. ASSEMBLY					1	1	1	1		
35		6	..		172451-71340	PLANETARY ASSEMBLY	4	4	4	4						
35		6	..		172464-71340	PLANETARY ASSEMBLY					4	4	4	4		
35		7	..		172451-71350	GEARBOX HOUSING	1	1	1	1						
35		7	..		172464-71350	GEARBOX HOUSING					1	1	1	1		
35		8	..		172451-71360	CIRCLIP	1	1	1	1						
35		8	..		172464-71360	CIRCLIP					1	1	1	1		
35		9	..		172451-71370	BEARING	1	1	1	1						
35		9	..		172464-71370	BEARING					1	1	1	1		
35		10	..		172451-71380	CIRCLIP	1	1	1	1						
35		10	..		172464-71380	CIRCLIP					1	1	1	1		
35		11	..		172451-71390	LIFETIME SEAL	1	1	1	1						
35		11	..		172464-71390	LIFETIME SEAL					1	1	1	1		
35		12	..		172451-71400	HYDRAULIC MOTOR	1	1	1	1						
35		12	..		172464-71400	HYDRAULIC MOTOR					1	1	1	1		
35		13	..		172451-71410	VALVE	1	1	1	1						
35		13	..		172464-71410	VALVE					1	1	1	1		
35		14	..		172451-71420	ORIFICE ASSY	1	1	1	1						
35		14	..		172464-71420	ORIFICE ASSY					1	1	1	1		
35		15	..		172451-71430	2nd SPEED SHIFTING	1	1	1	1						
35		15	..		172464-71430	2nd SPEED SHIFTING					1	1	1	1		
35		16	..		172451-71440	PLUG ASSY	1	1	1	1						
35		16	..		172464-71440	PLUG ASSY					1	1	1	1		
35		17	..		172464-71500	ANTICAVITATION VALVE					1	1	1	1		
35		18	..		172451-71450	CYLINDER BLOCK ASSY	1	1	1	1						
35		18	..		172464-71450	CYLINDER BLOCK ASSY					1	1	1	1		
35		19	..		172451-71460	SWASH PLATE ASSY	1	1	1	1						
35		19	..		172464-71460	SWASH PLATE ASSY					1	1	1	1		
35		20	..		172451-71470	MOTOR SHAFT	1	1	1	1						
35		20	..		172464-71470	MOTOR SHAFT					1	1	1	1		
35		21	..		172451-71480	BEARINGS	1	1	1	1						
35		21	..		172464-71480	BEARINGS					1	1	1	1		
35		22	..		172451-71490	SEALS	1	1	1	1						
35		22	..		172464-71490	SEALS					1	1	1	1		
35		23	..		261161-00252	BOLT M10x25	16	16	16	16						
35		23	.		261161-00302	BOLT M10x30					16	16	16	16		
35		24	.		222171-00000	SPRING WASHER 10	16	16	16	16	16	16	16	16		

Fig 36 TURNING MOTOR

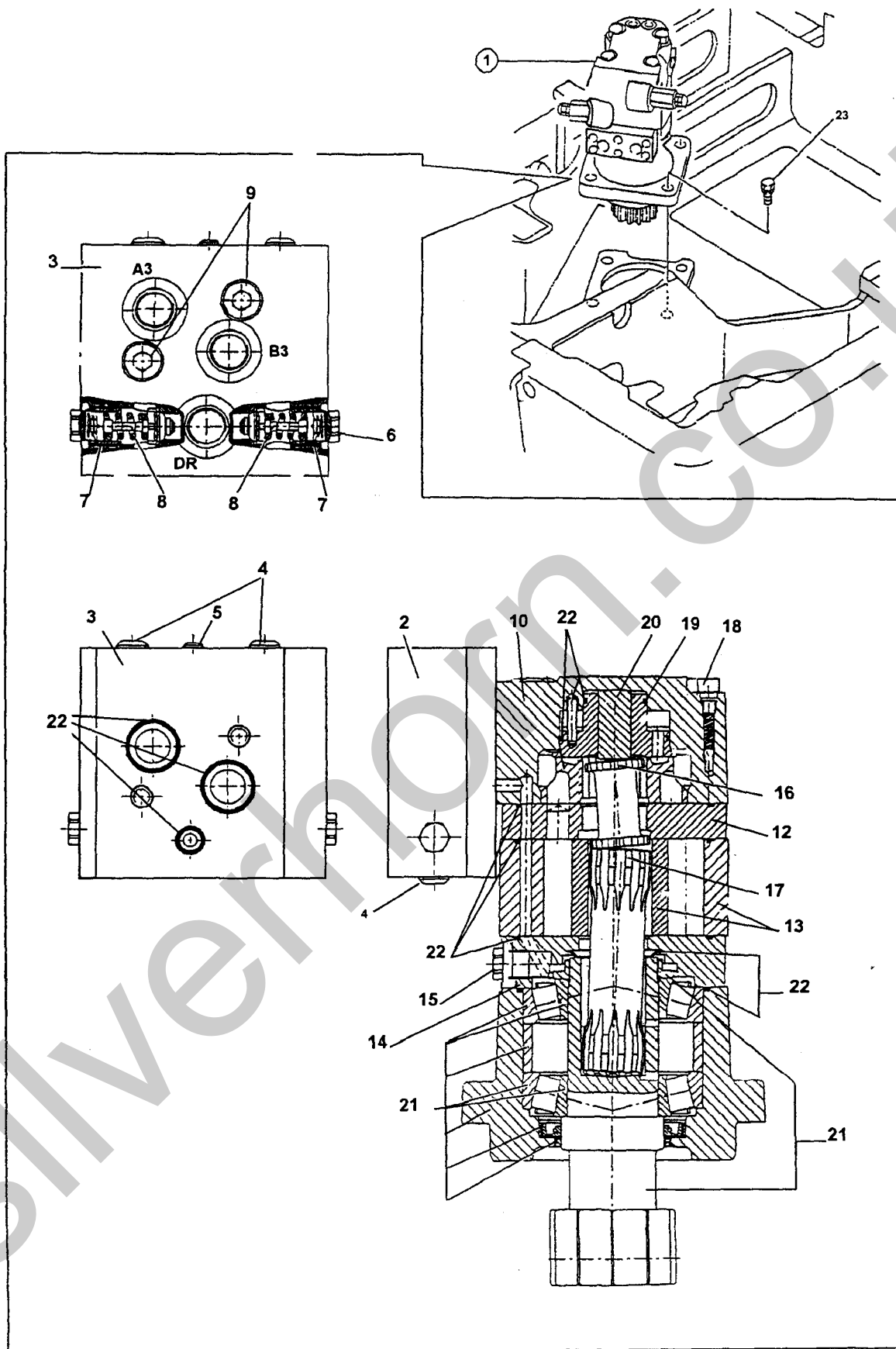
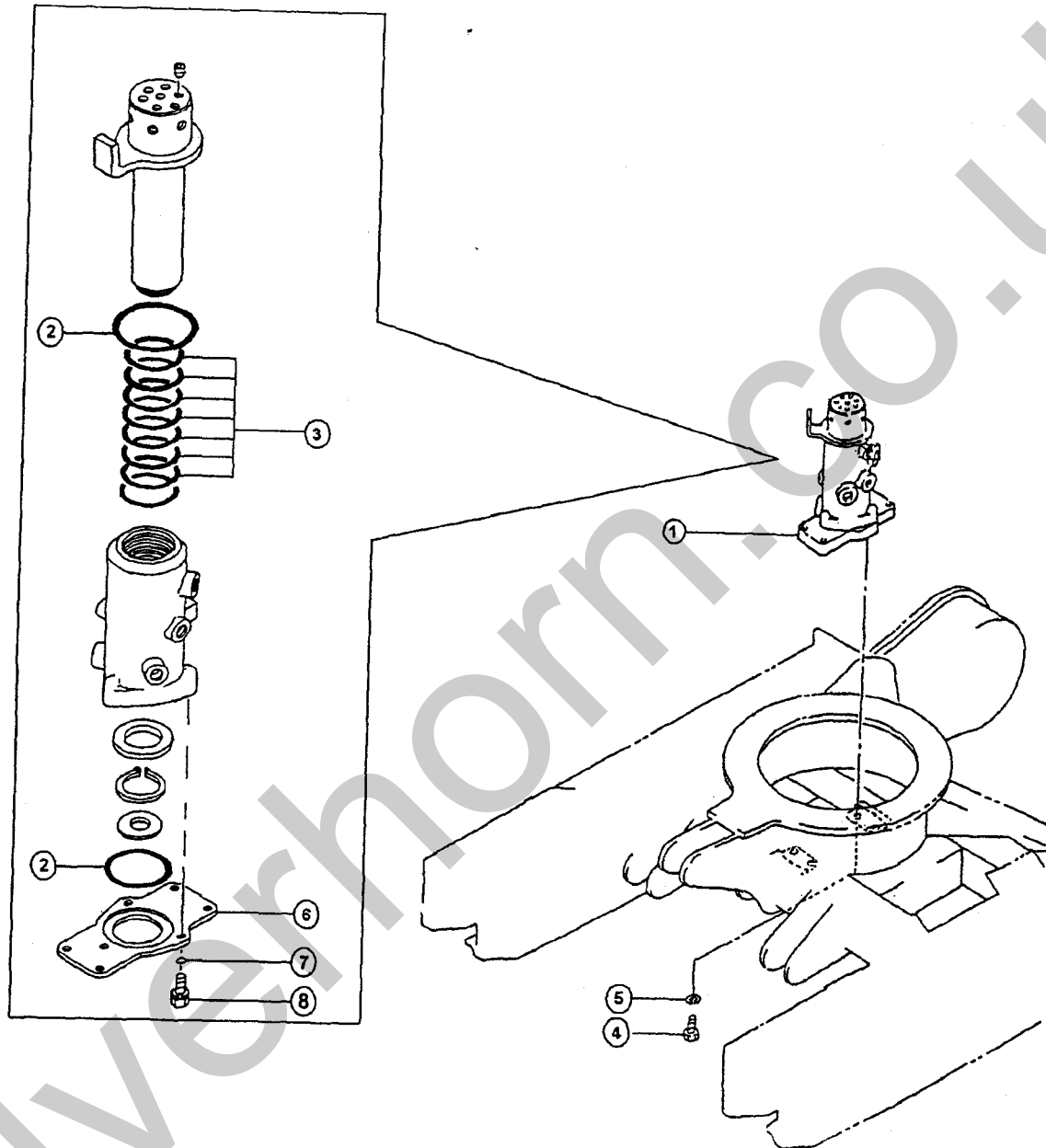
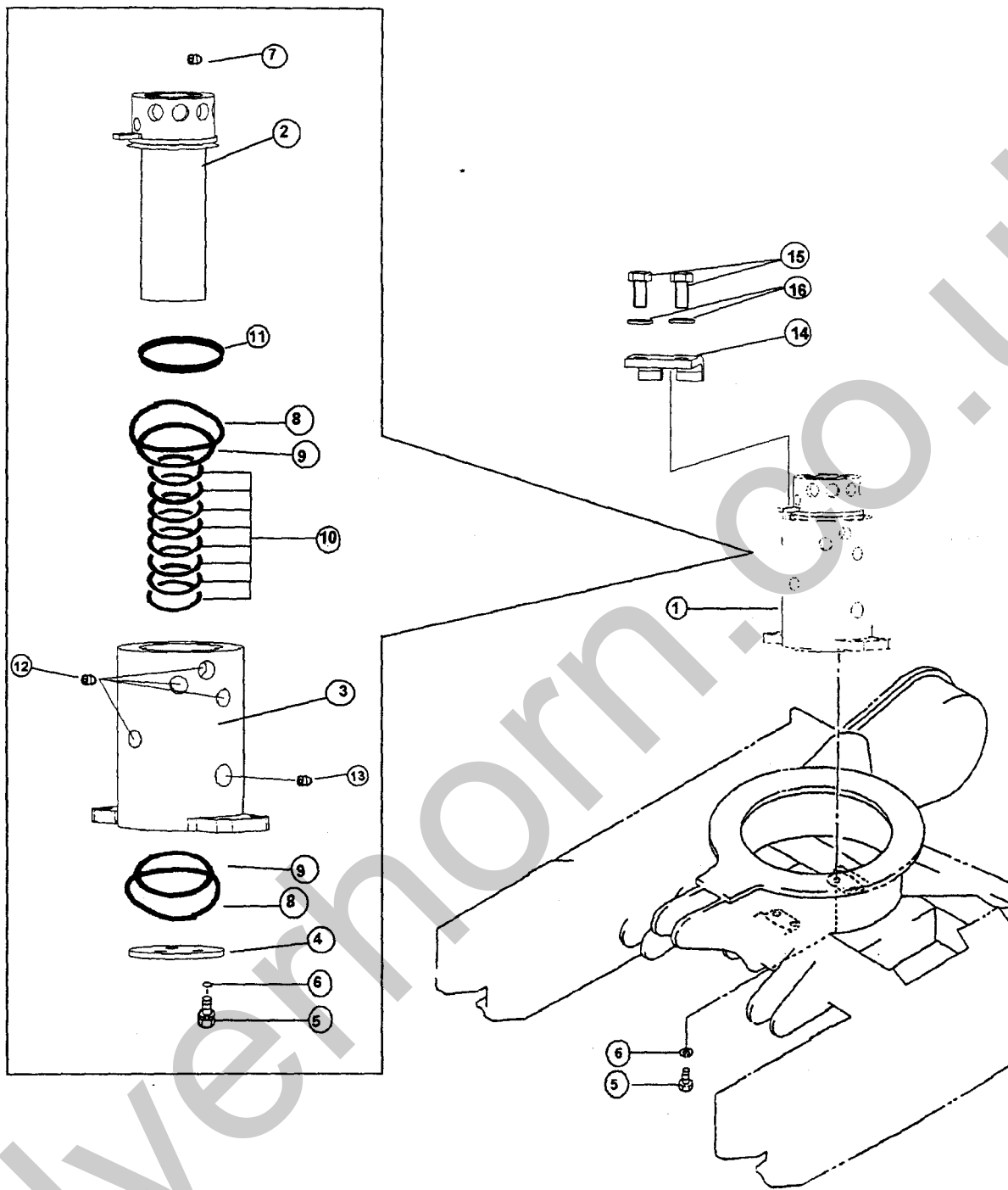


Fig 37-1 SWIVEL JOINT



A	B15CR-3	C	B17CR-3
B	B15PR-3	D	B17CR-3
E	B15CRE-3	G	B18CRE
F	B15PRE-3	H	B18PRE

Fig 37-2 SWIVEL JOINT

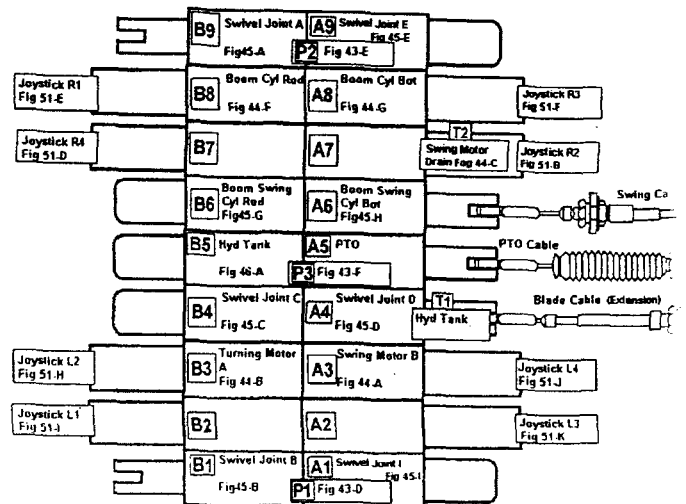
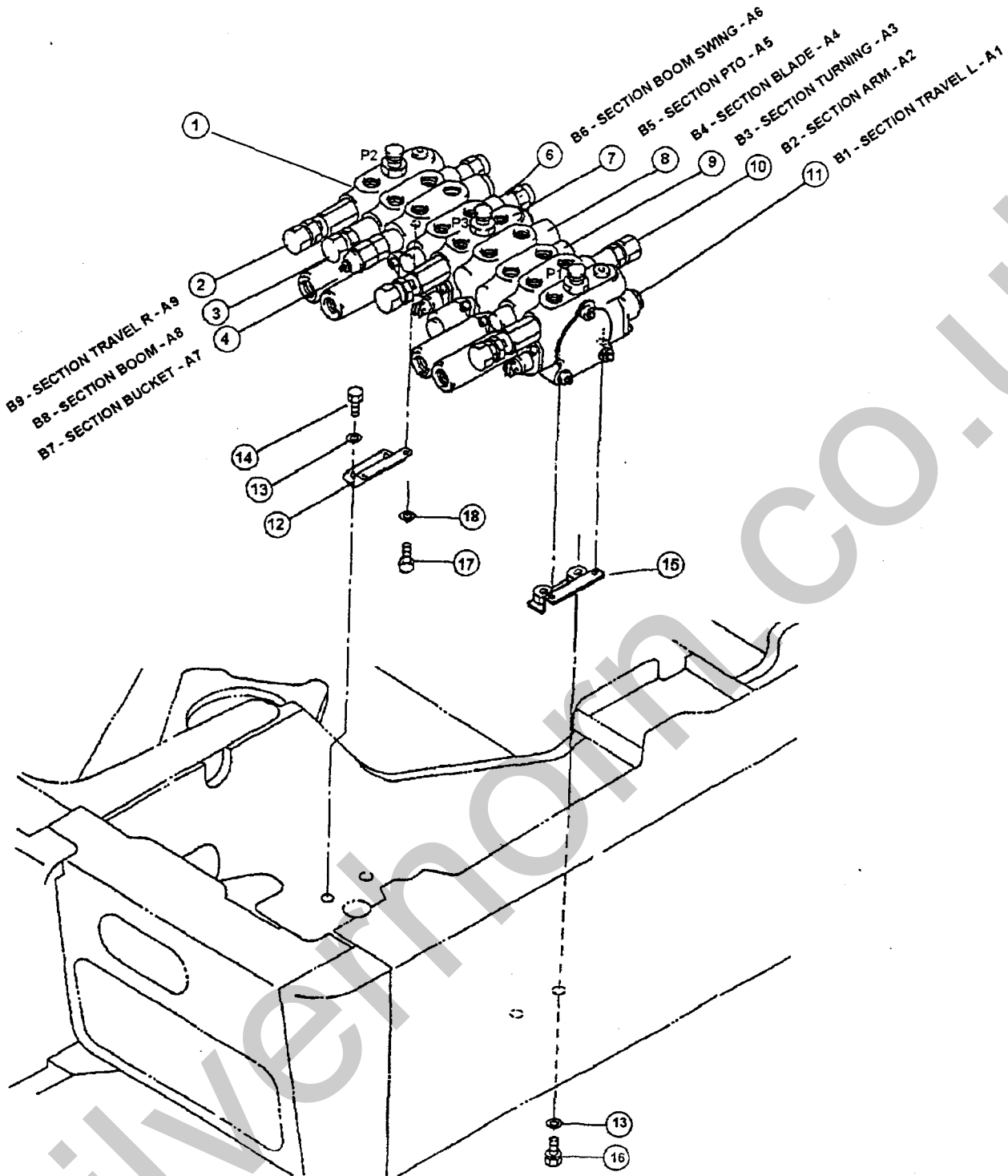


A	B15CR-3	C	B17CR-3
B	B15PR-3	D	B17CR-3
E	B15CRE-3	G	B18CRE
F	B15PRE-3	H	B18PRE

[illegible]

(1) Rep. 14 bolted on the Turning Frame

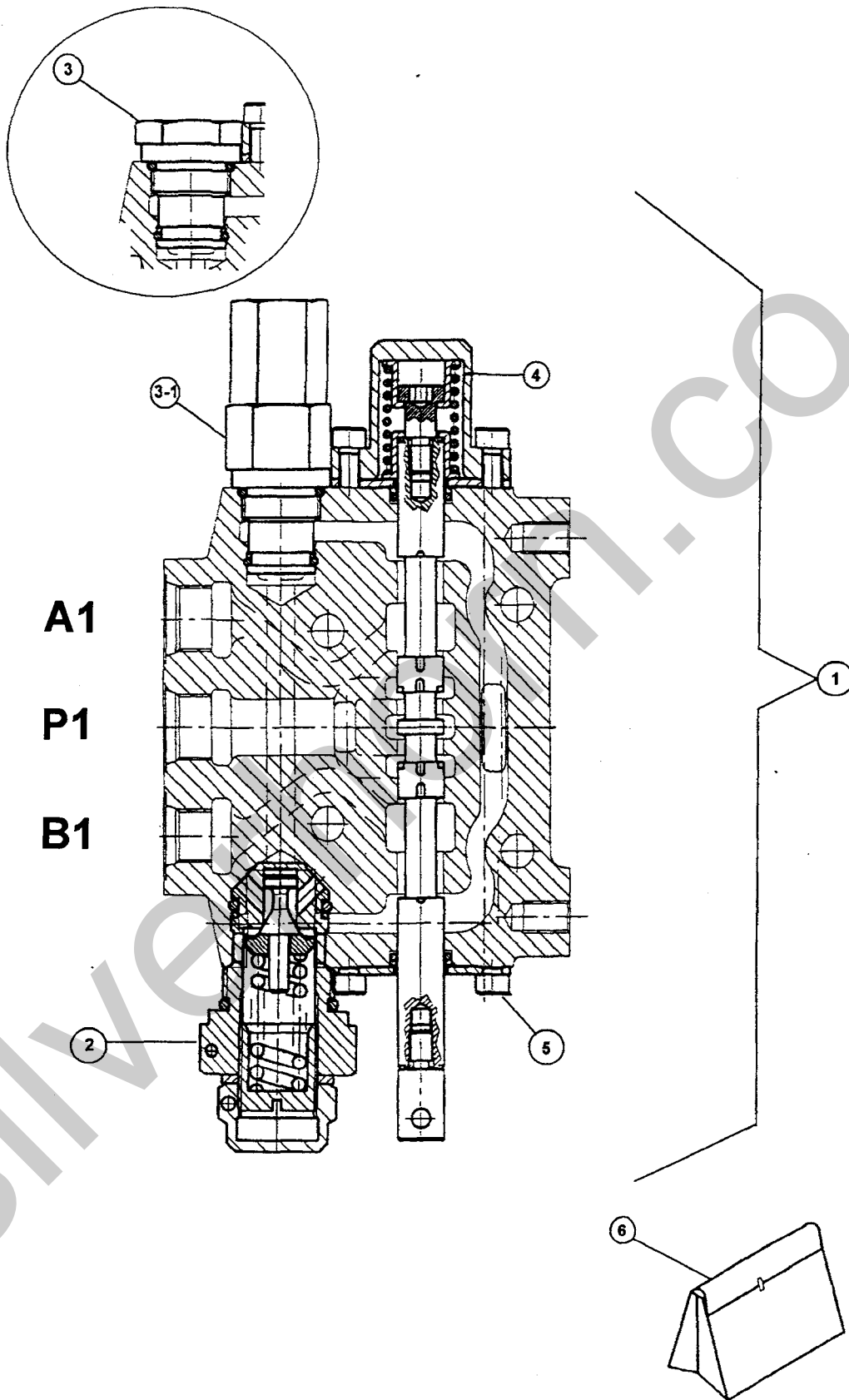
Fig 38 CONTROL VALVE



C	B17CR-3
D	B17CR-3
E	B18CRE-3
F	B18PRE-3
G	B18CRE
H	B18PRE

[illegible]

Fig38-1 SECTION TRAVEL L

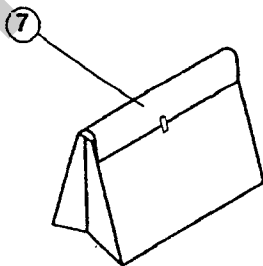
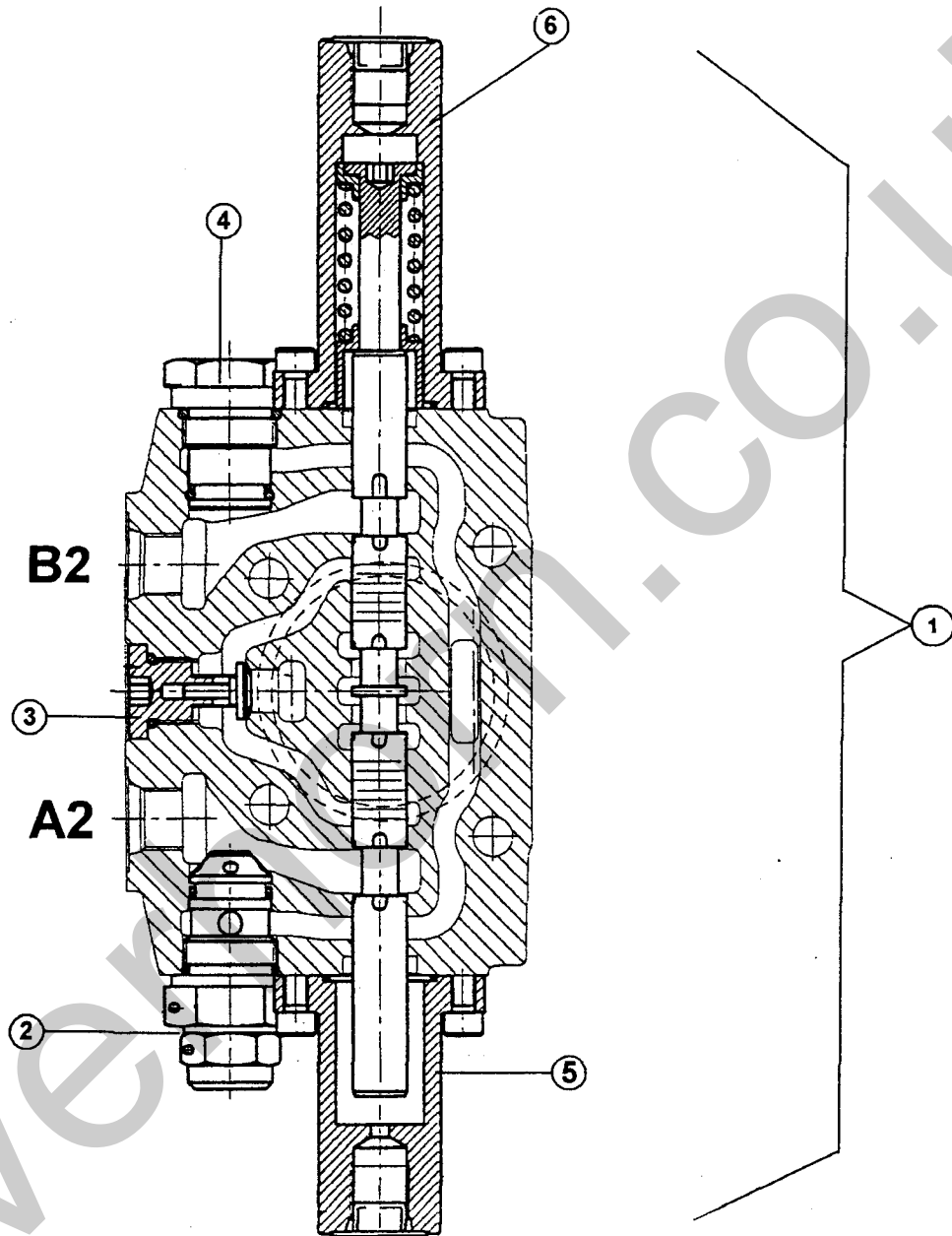


F	B15PRE-3	H	B18PRE
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[illegible]

(1)	CONTROL VALVE WITH SAFETY TRAVEL DEVICE (SINCE MACHINE BK21A28949)
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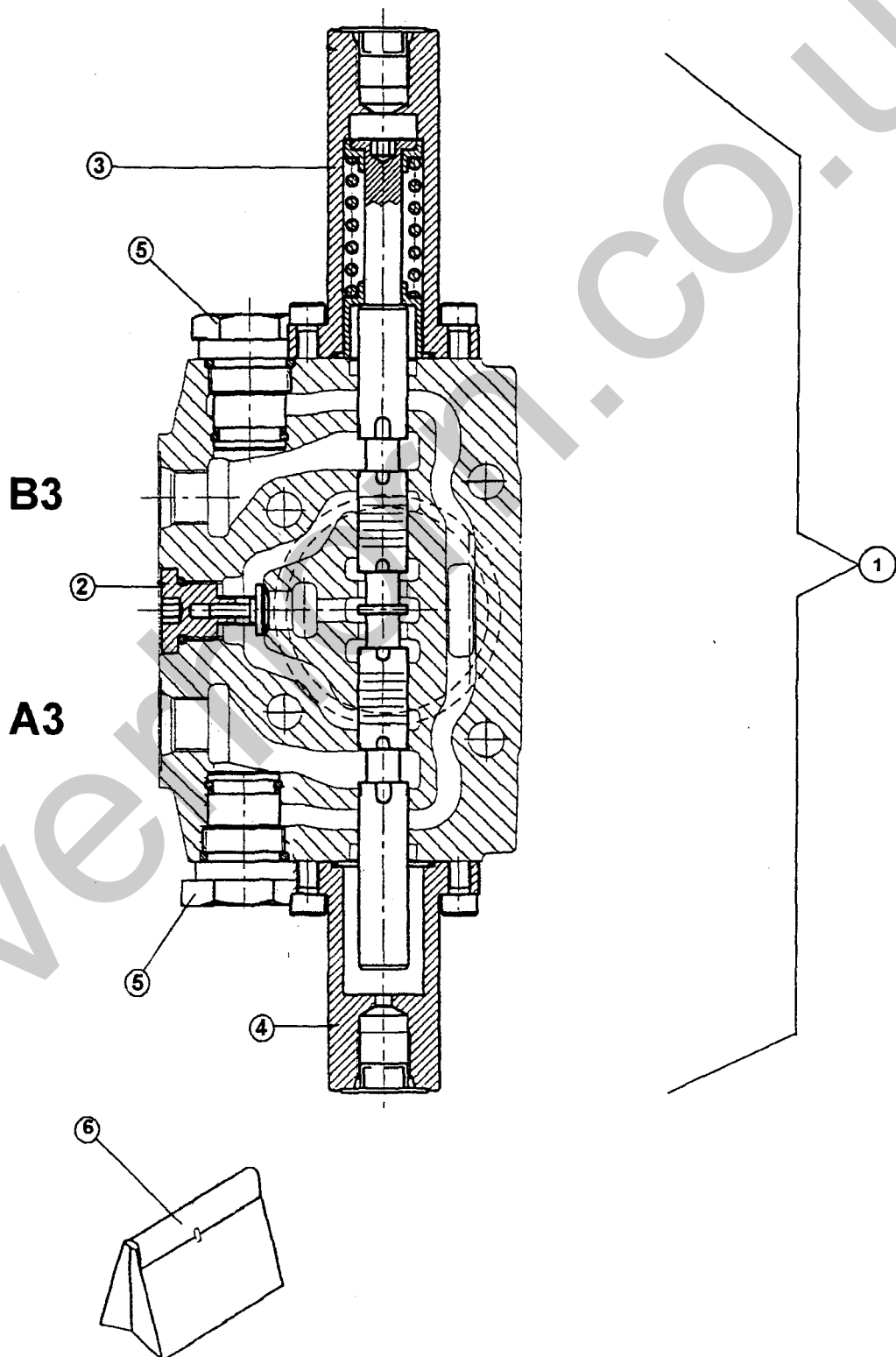
Fig 38-2 SECTION ARM



A	B15PRE		
B	B15PRE-3		
E	B15CRE-3		
F	B15PRE-3	H	B18PRE

[illegible]

Fig 38-3 SECTION TURNING

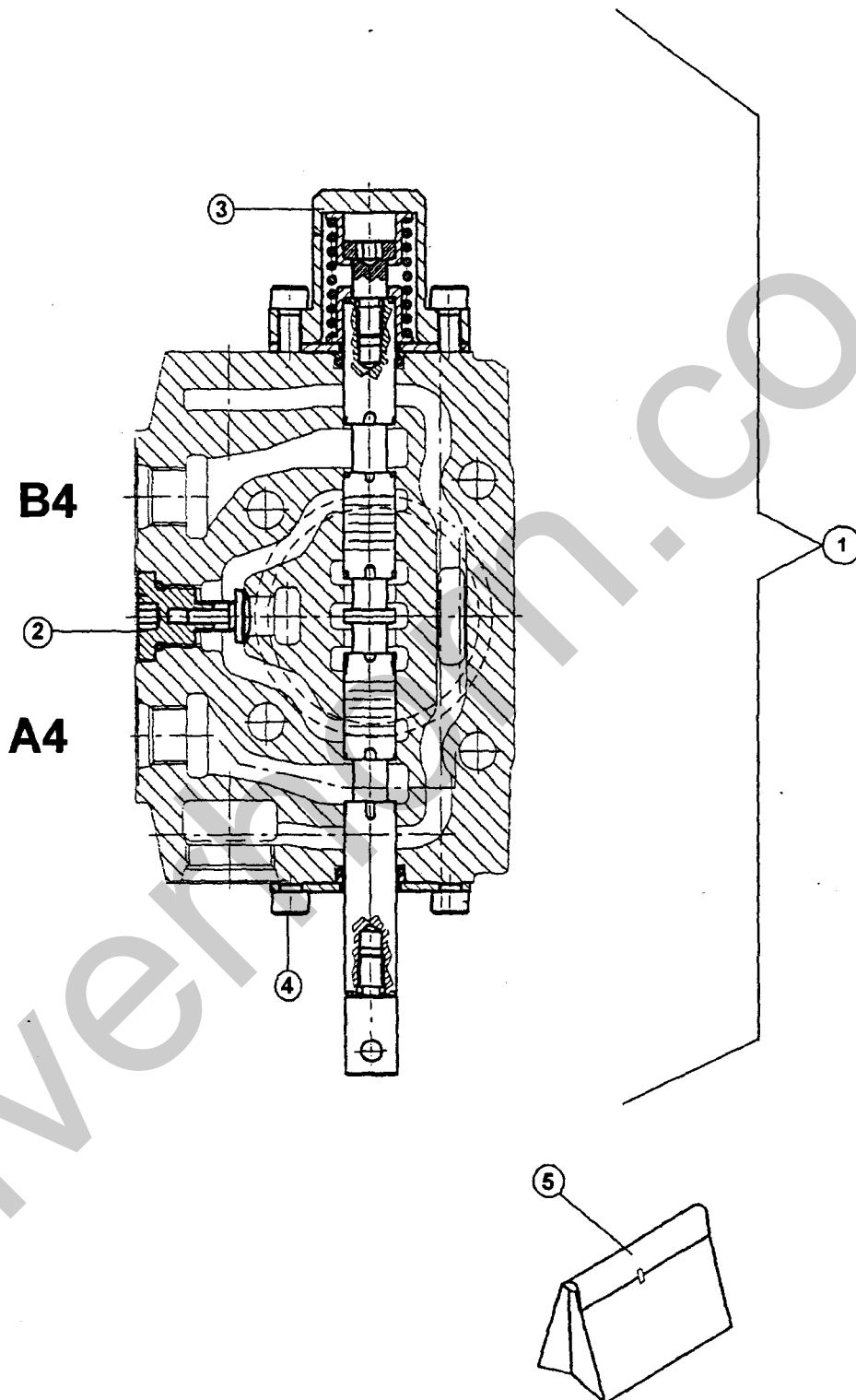


SECTION : NG

A	B15CR-3	C	B15CRE
B	B15PR-3	D	B15PRE
E	B15CRE-3	G	B18CRE
F	B15PRE-3	H	B18PRE

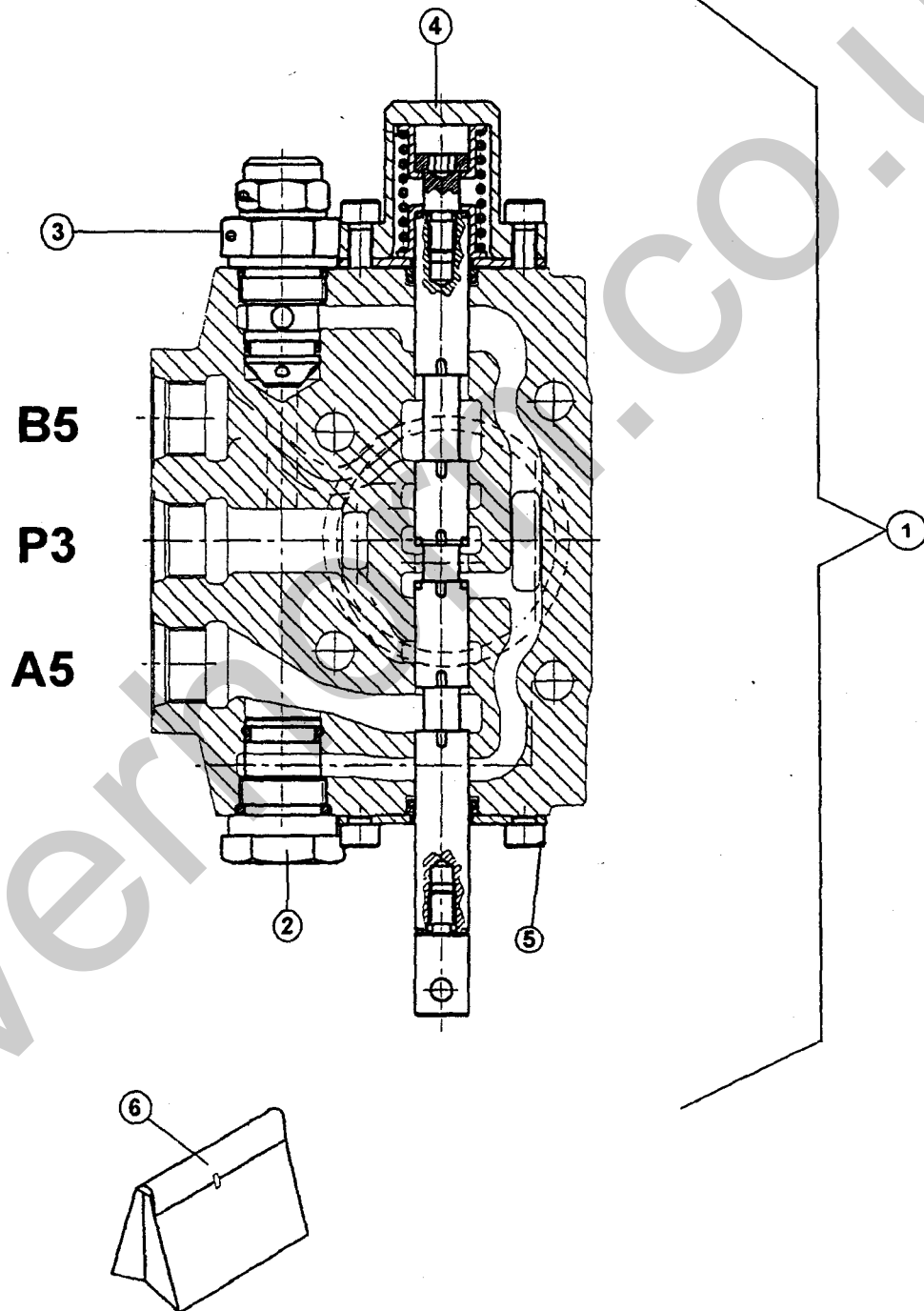
[illegible]

Fig 38-4 SECTION BLADE



A	B15CR-3	C	B17CR-3
B	B15PR-3	D	B17CR-3
E	B15CRE-3	G	B18CRE
F	B15PRE-3	H	B18PRE

Fig 38-5 SECTION PTO



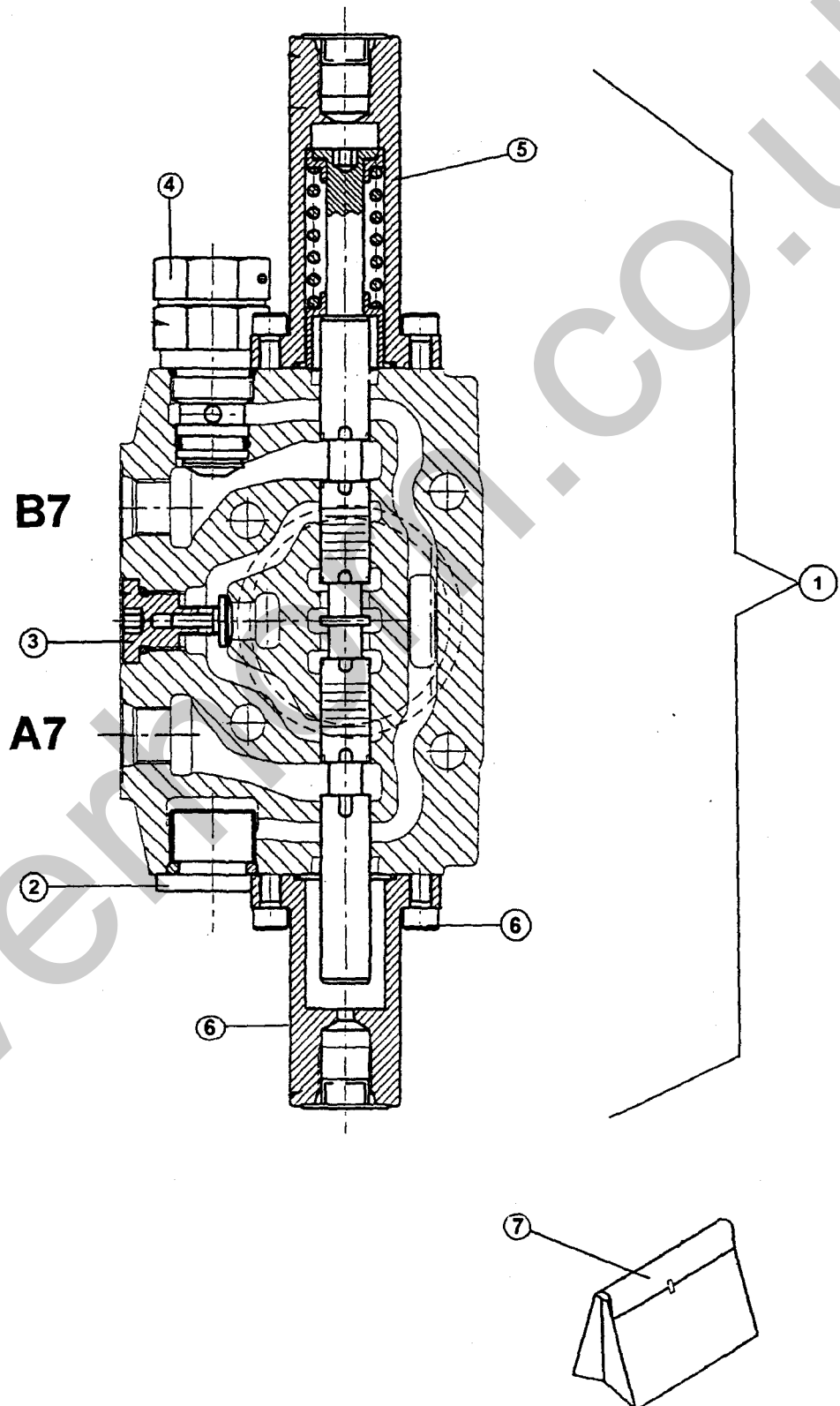
A	B15PR-3	C	B17CR-3
B	B15PR-3	D	B17CR-3
E	B15CRE-3	G	B18CRE
F	B15PRE-3	H	B18PRE

[illegible]

C	B17CR-3
D	B17CR-3
E	B15CRE-3
F	B15PRE-3
G	B18CRE
H	B18PRE

[illegible]

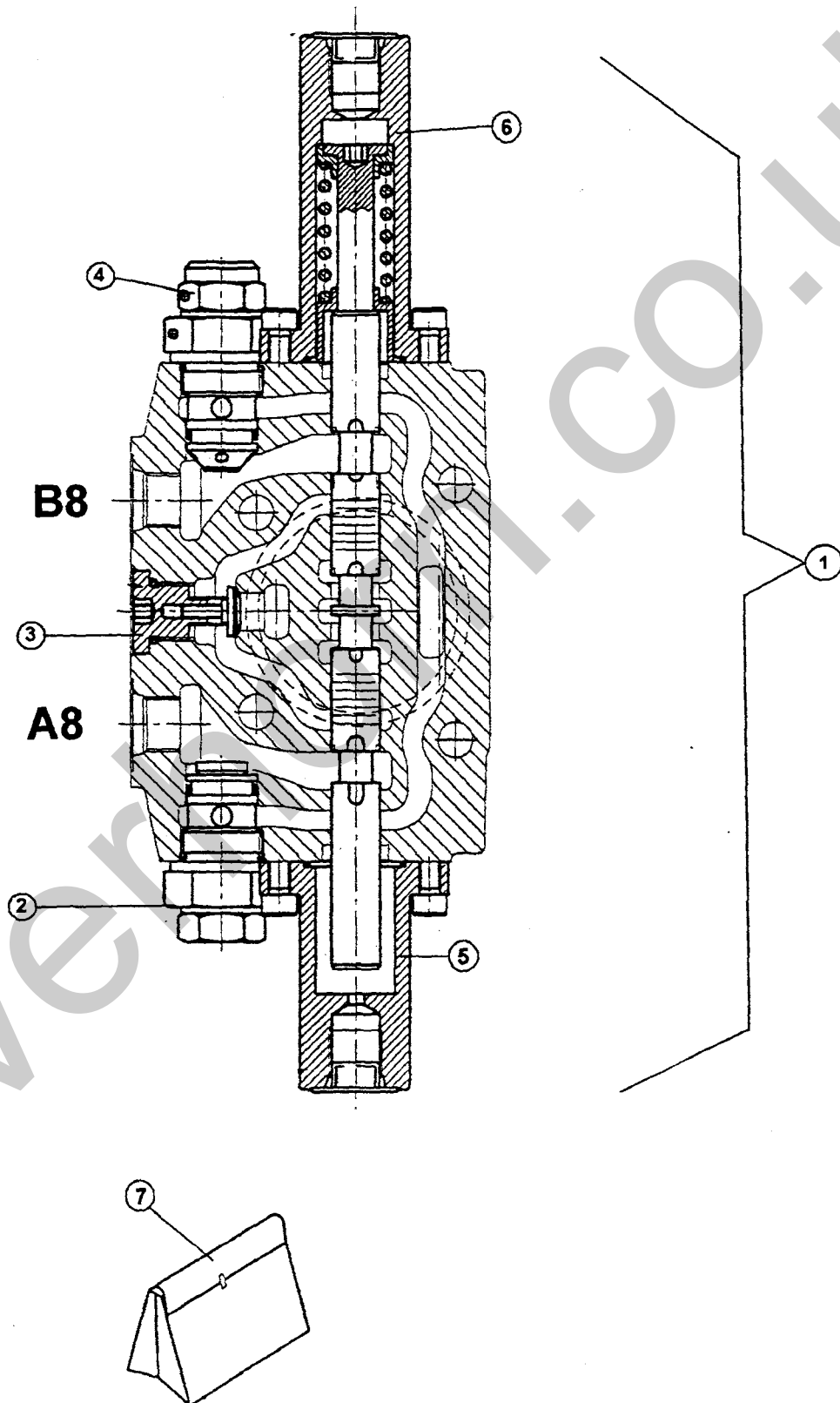
Fig38-7 SECTION BUCKET



A	B15C	B17CR-3
B	B15PR-3	B17CR-3
E	B15CRE-3	B18CRE
F	B15PRE-3	B18PRE

[illegible]

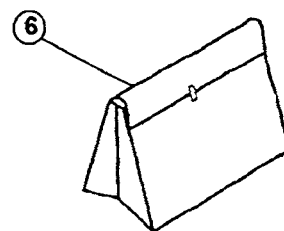
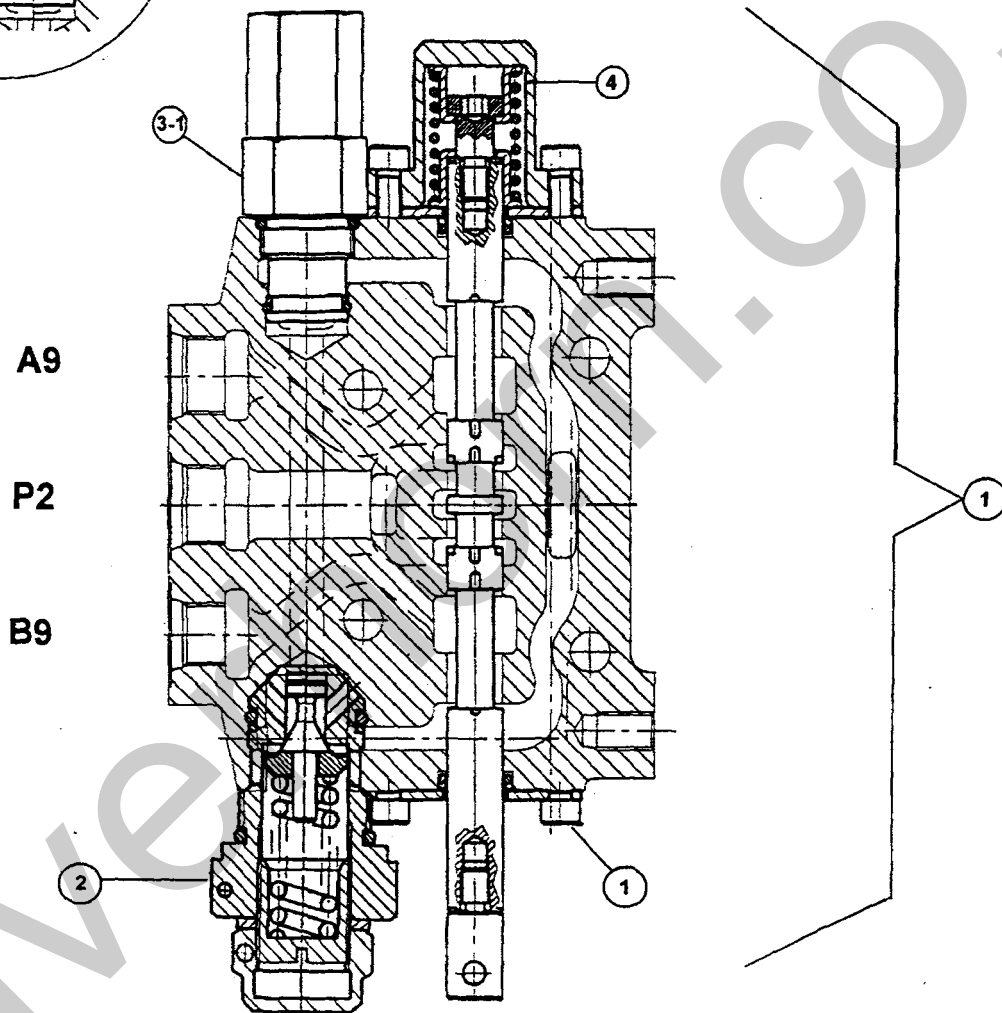
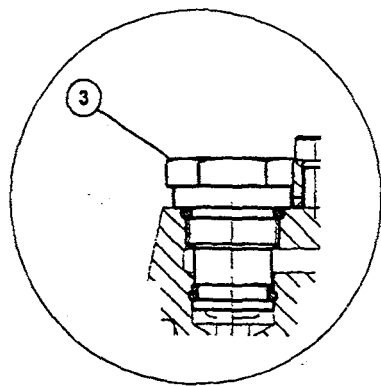
Fig38-8 SECTION BOOM



B15CR-3	C	B15CR-3
B15PR-3	D	B15PR-3
B15CRE-3	G	B15CRE-3
B15PRE-3	H	B15PRE-3

[illegible]

Fig38-9 SECTION TRAVEL R

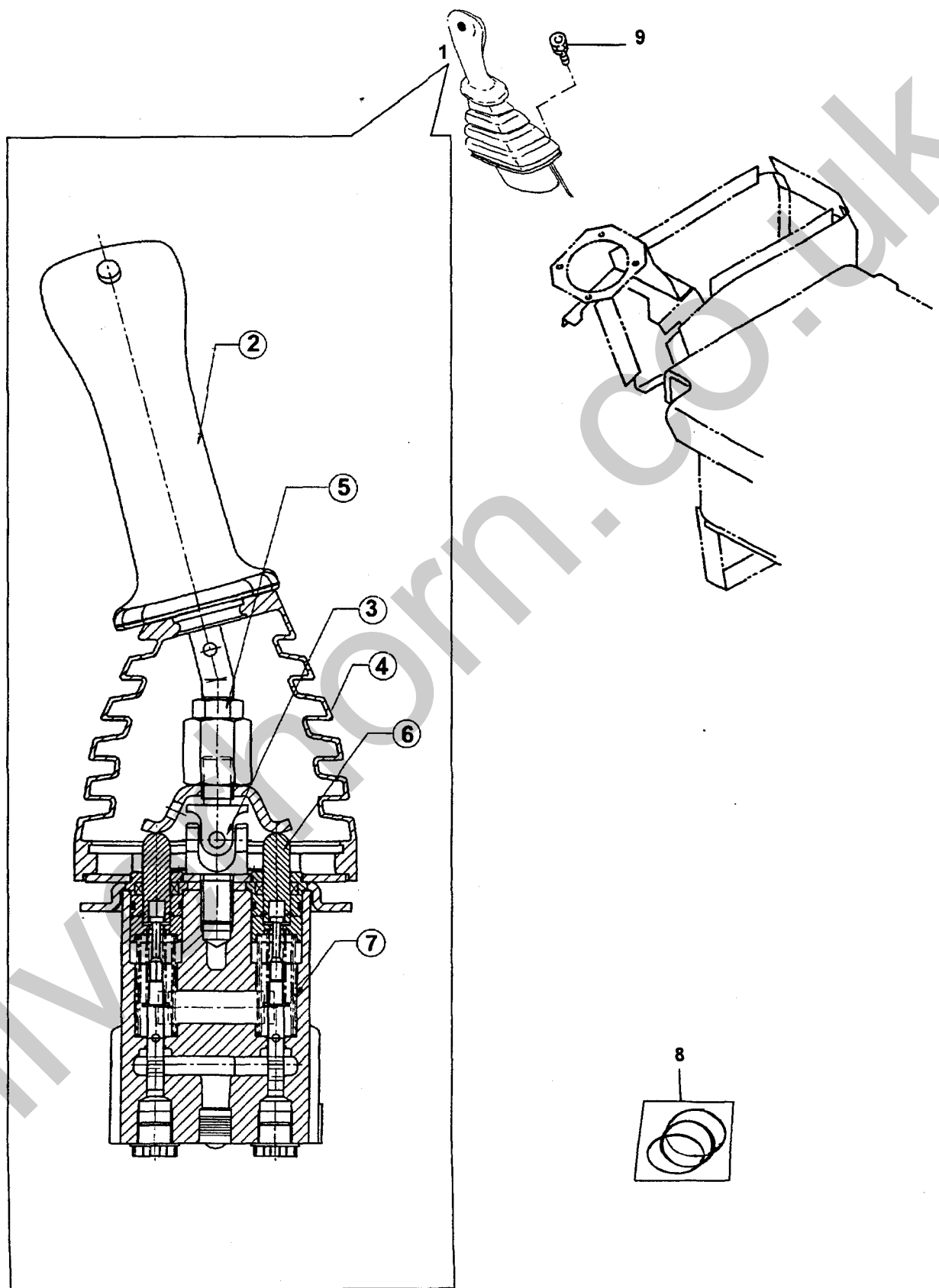


Silverhorn.co.uk

A	B15CR-3	C	B17CR-3
B	B15PR-3	D	B17CR-3
E	B15CRE-3	G	B18CRE
F	B15PRE-3	H	B18PRE

[illegible]

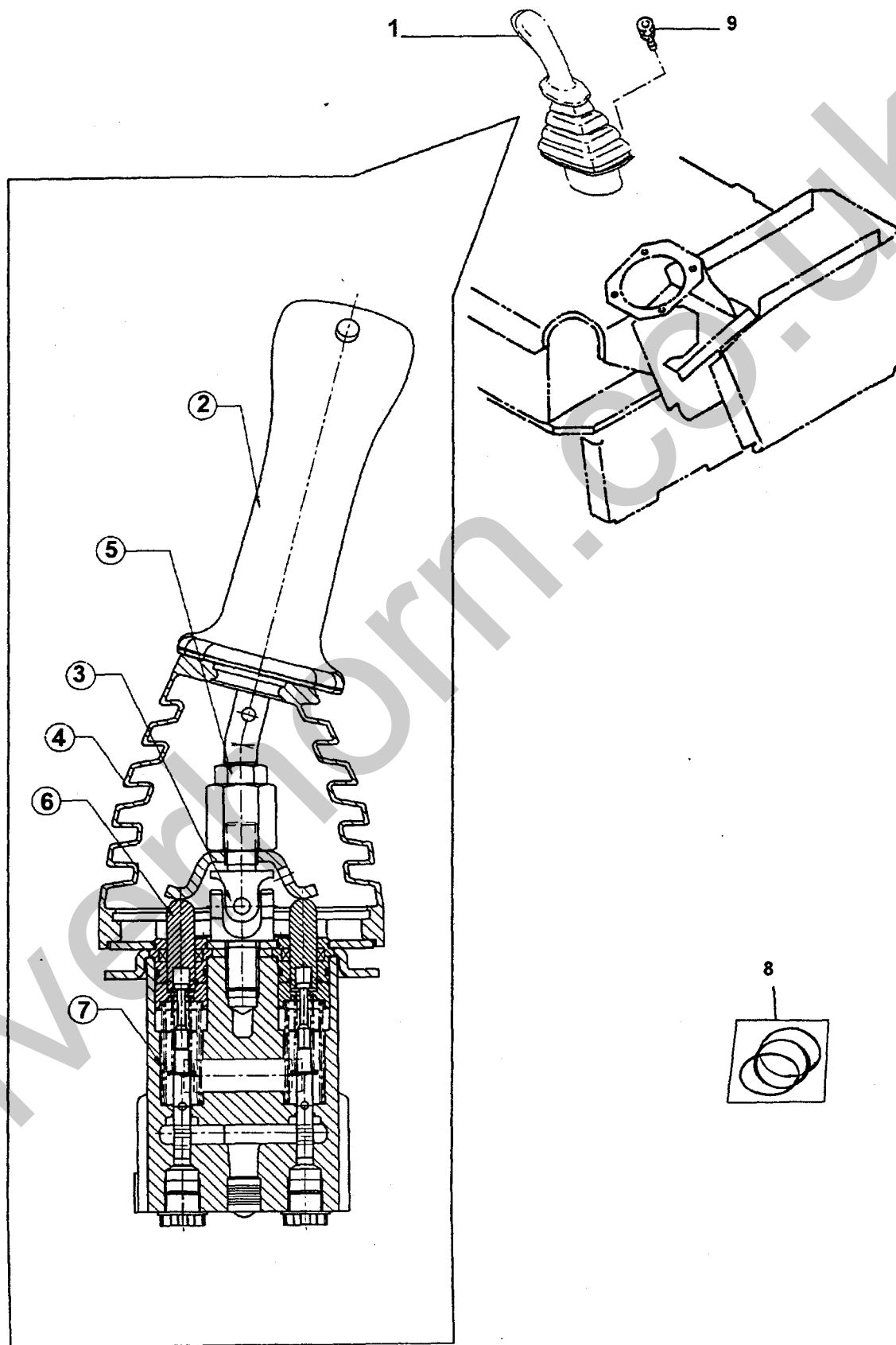
Fig39 REMOTE CONTROL VALVE(R)



A	B15CR -3	C	B17CR -3
B	B15PR -3	D	B17CR -3
E	B15CRE-3	G	B18CRE
F	B15PRE-3	H	B18PRE

[illegible]

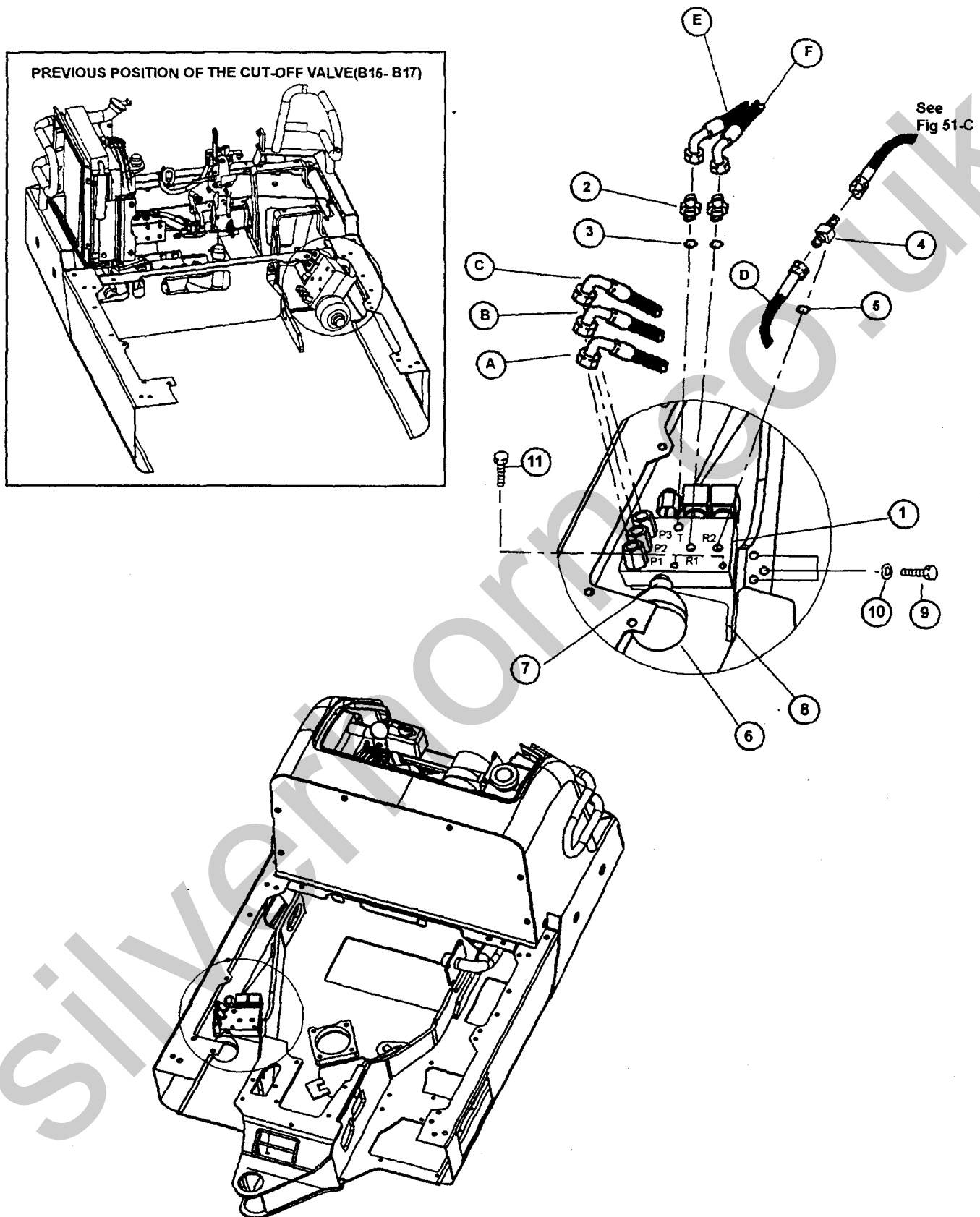
Fig 40 REMOTE CONTROL VALVE(L)



A	B15CR-3	C	B17CR-3
B	B15PR-3	D	B17CR-3
E	B15CRE-3	G	B18CRE
F	B15PRE-3	H	B18PRE

[illegible]

Fig 41-1 CUT-OFF VALVE & ACCUMULATOR



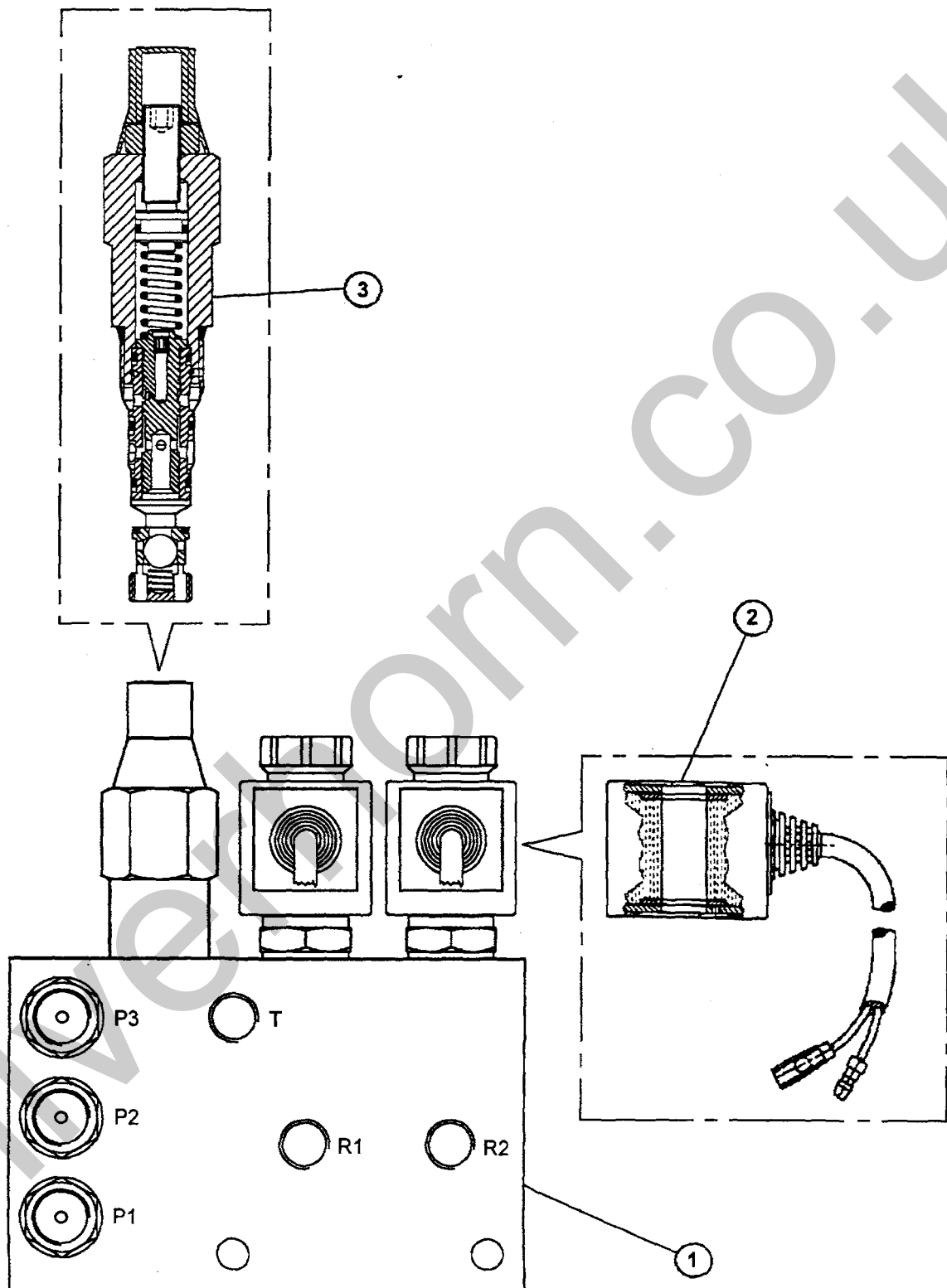
CUT-OFF VALVE & ACCUMULATOR

DR-3	C	B17CR-3
SPR-3	D	B17CR-3
B15CRE-3	G	B18CRE
B15PRE-3	H	B18PRE

Fig	I	Rep	L	o	PN	Designation	A	B	C	D	E	F	G	H	I	Rq
41-1	I	1	.		172451-74360	CUT-OFF VALVE	1	1	1	1	1	1	1	1		(1)
41-1	I	1-1	.		172451-74361	CUT-OFF VALVE	1	1	1	1	1	1	1	1	S	(1)
					(BK21A28801)											
41-1		2	.		172194-76610	ELBOW 90° G1/4	2	2	2	2	2	2	2	2		
41-1		3a	..		172AYA-76010	O-RING 10,77x2,62	2	2	2	2	2	2	2	2		
41-1		3b	..		172AYA-76110	RETAINING RING 16,2x1,9	2	2	2	2	2	2	2	2		
41-1		4	.	X	172464-76100	RUN T G1/4	1	1	1	1	1	1	1	1		
41-1		5a	.		172AYA-76010	O-RING 10,77x2,62	1	1	1	1	1	1	1	1		
41-1		5b	.		172AYA-76110	RETAINING RING 16,2x1,9	1	1	1	1	1	1	1	1		
41-1		6	.		172441-73400	ACCUMULATOR 0,32L	1	1	1	1	1	1	1	1		
41-1		7	.		900114-	CONNECTOR 1/2 3/8	1	1	1	1	1	1	1	1		
41-1		8	.		172451-55670	CUTOFF VALVE BRACKET	1	1	1	1	1	1	1	1		(2)
41-1		9	.		261161-00352	BOLT M10x35	3	3	3	3	3	3	3	3		(2)
41-1		10	.		222171-00000	SPRING WASHER 10	3	3	3	3	3	3	3	3		(2)
41-1		11	.		264530-80502	BOLT M8x50 CHC cl 88	2	2	2	2	2	2	2	2		
41-1	I	A	.		172194-78260	HOSE G104BC034S	1	1	1	1						
41-1	I	A-1	.		172451-78220	HOSE G106BC165S	1	1	1	1	1	1	1	1	S	(3)
					(BK21A28801)											
41-1	I	B	.		172180-78271	HOSE G104CC060S	1	1	1	1						
41-1	I	B-1	.		172451-78220	HOSE G106BC165S	1	1	1	1	1	1	1	1	S	(3)
					(BK21A28801)											
41-1	I	C	.		172180-78271	HOSE G104CC060S	1	1	1	1						
41-1	I	C-1	.		172451-78220	HOSE G106BC165S	1	1	1	1	1	1	1	1	S	(3)
					(BK21A28801)											
41-1	I	D	.		172451-78800	HOSE G404BB100S	1	1	1	1						
41-1	I	D-1	.		172179-78891	HOSE G404BC080S	1	1	1	1						(3)
41-1	I	D-2	.		172464-78010	HOSE G404BC080S	1	1	1	1	1	1	1	1	S	(4)
					(BK21A28801)											
41-1	I	E	.		172451-78140	HOSE G604BC051S	1	1	1	1						
41-1	I	E-1	.		172451-78250	HOSE G604BC051S	1	1	1	1	1	1			S	(3)
					(BK21A28801)											
41-1		E	.		172451-78110	HOSE G604BC042S							1	1		
41-1	I	F-1	.		172451-78250	HOSE G604BC051S	1	1	1	1						(3)
41-1	I	F	.		172194-78310	HOSE G104BC053S							1	1		
					(BK21A28801)											
41-1	I	F-2	.		172194-78230	HOSE G104BC060S	1	1	1	1			1	1	S	(5)
41-1		F-2	.		172451-78210	HOSE G104BC066S					1	1				(5)

- (1) CUT-OFF VALVES NOT INTERCHANGEABLE FOR REAR POSITION (SINCE MACHINE BK21A28801)
- (2) REMOVABLE BRACKET FOR FRONT POSITION
- (3) MODIFICATION ON B15 & B17 DUE TO THE (SINCE MACHINE BK21A28801) POSITION OF THE CUT-OFF VALVE ON THE FRONT RIGHT HAND SIDE.
- (4) TRAVEL SAFETY DEVICE ADDED
- (5) MODIFICATION OF A HOSE ON ALL MODELS (FOR B15Ex, F-2 HAS BEEN MOUNTED SINCE THE FIRST MACHINE)

Fig 41-2 CUT-OFF VALVE

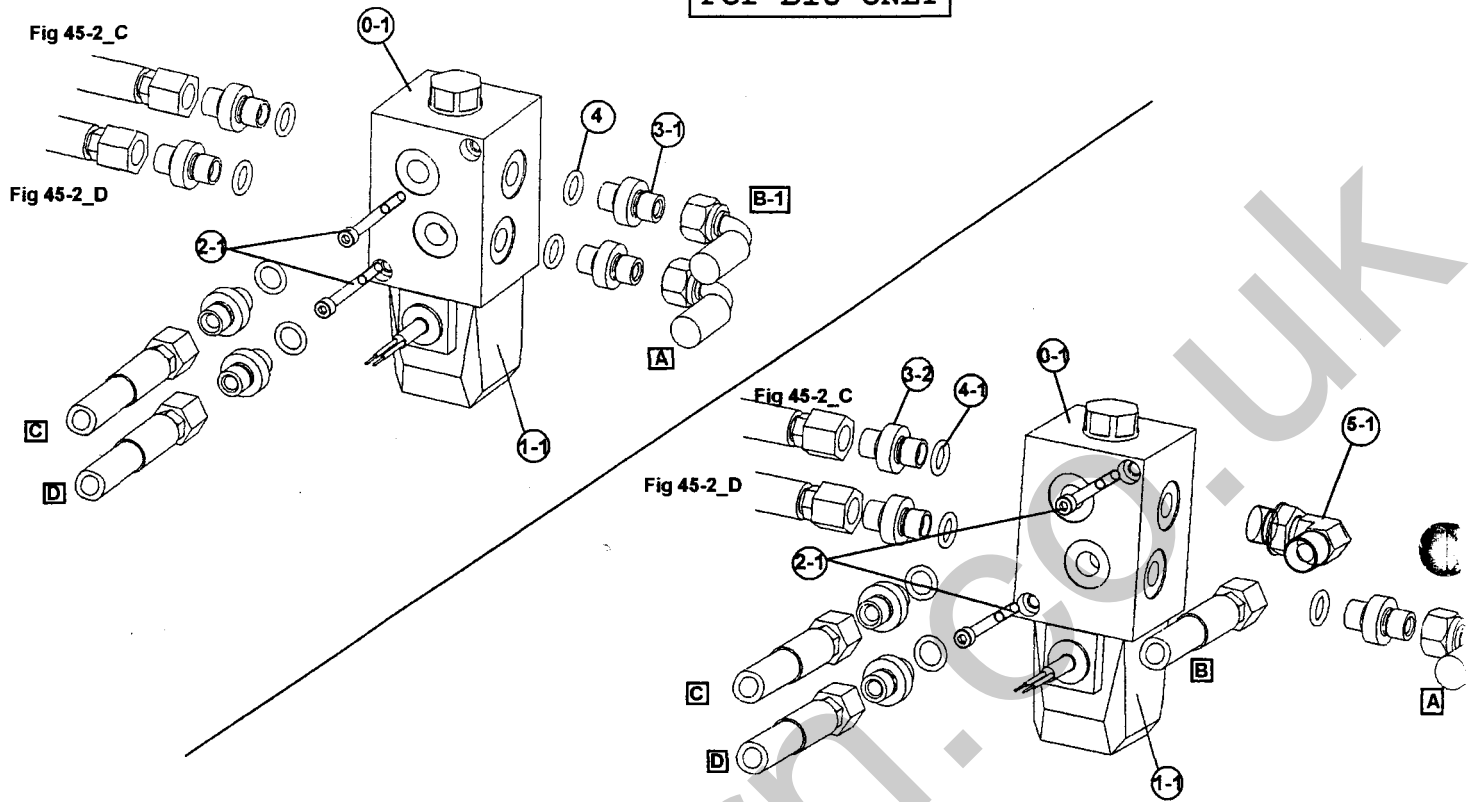


		S	B17CR-3
E	B15CRE-3	G	B18CRE
F	B15PRE-3	H	B18PRE

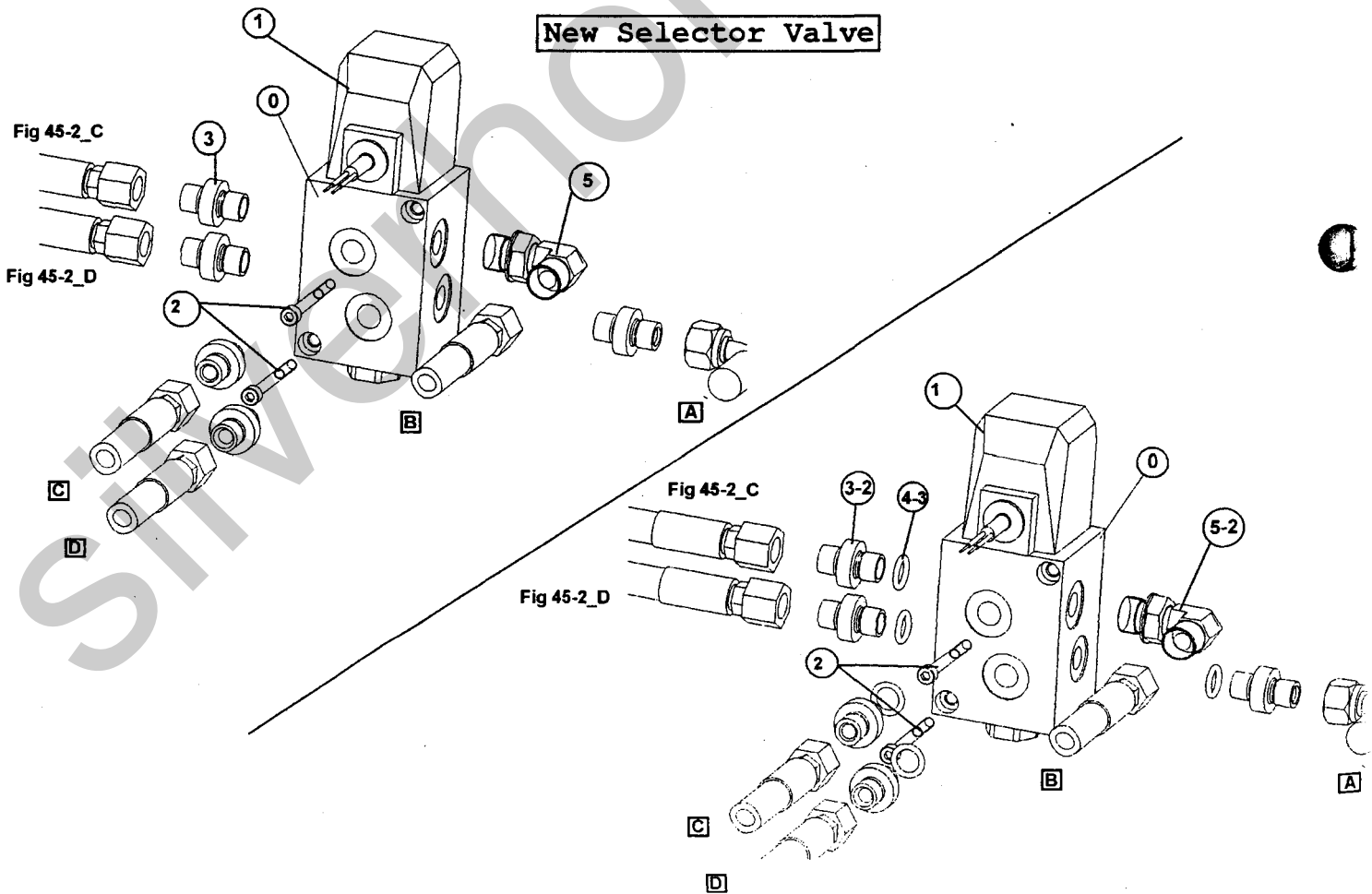
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Fig 41-3 SELECTOR VALVE

For B18 ONLY



New Selector Valve

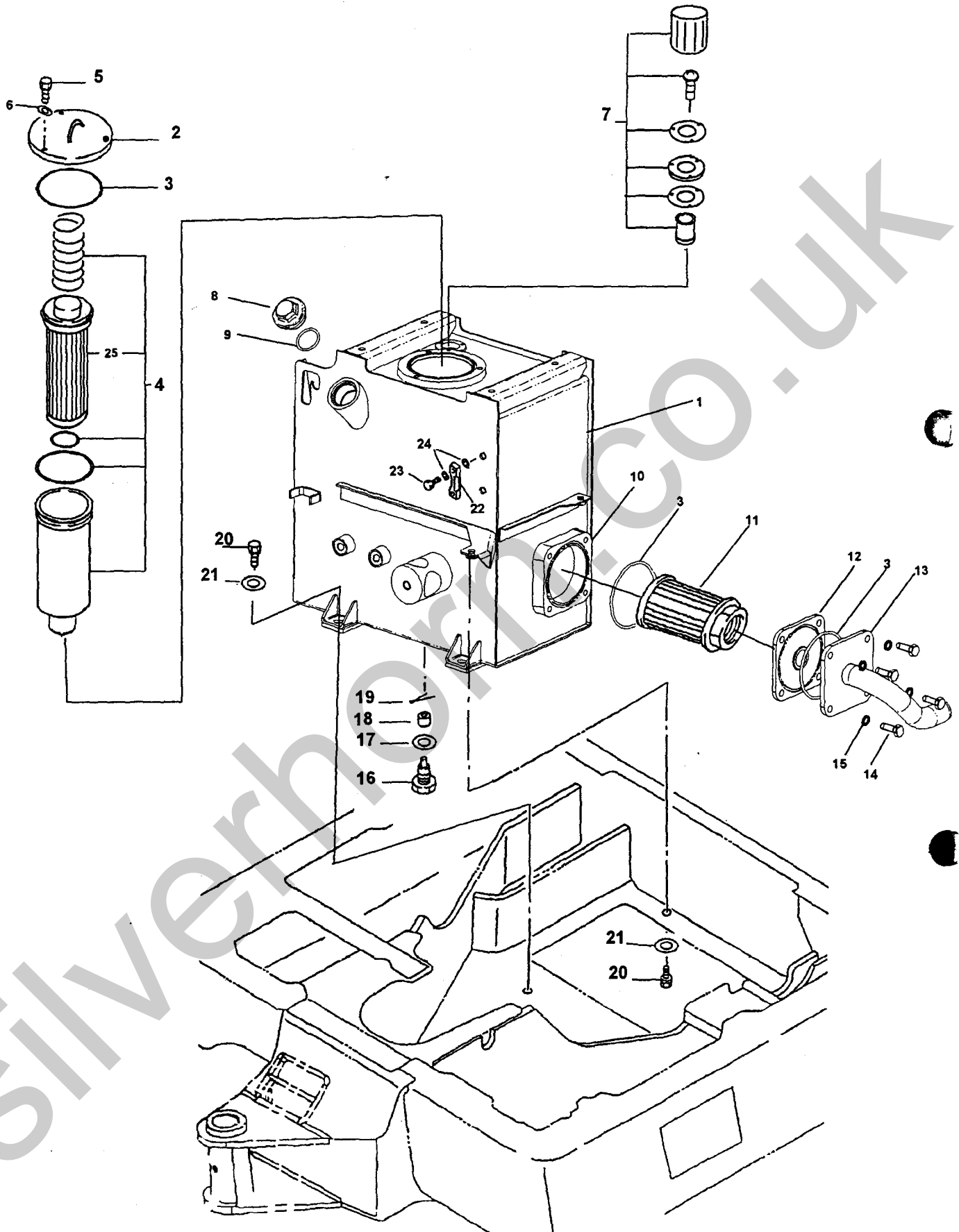


SELECTOR VALVE (EXTENSION)

A	B15
B	B15PRE-3
E	B15CRE-3
F	B15PRE-3

Fig	I	Rep	L	o	PN	Designation	A	B	C	D	E	F	G	H	I	Rq
41-3		0	.		172464-74400	SELECTOR VALVE					1	1	1	1		
41-3	I	0-1	.		172156-74400	SELECTOR VALVE							1	1		
					G,H < BM21A29583 & G,H > BM32A30167											
41-3		1	..		172464-74410	SELECTOR VALVE SOLENOID					2	2	2	2		
41-3		1-1	..		172156-74410	SELECTOR VALVE SOLENOID							2	2		
					G,H < BM21A29583 & G,H > BM32A30167											
41-3		2	.		264500-50502	SCREW CHC M5x50 88					2	2	2	2		
41-3		2-1a	.		264530-60602	BOLT CHC M6x60							2	2		
41-3		2-1b	.		222170-60000	SPRING WASHER 6							2	2		
					G,H < BM21A29583 & G,H > BM32A30167											
41-3	I	3	.		233910-20000	STRAIGHT UNION BSP					5	5	5	5		
41-3		3-1	.		172159-76120	CONNECTOR 1/4 1/4							6	6		
41-3	I	3-2	.		172159-76120	CONNECTOR 1/4 1/4					5	5	5	5	K	
					G,H < BM21A29583 & G,H > BM32A30167											
41-3	I	4-3	.		243150-00110	O-RING P11					5	5	5	5	N	
41-3		4	.		243150-00110	O-RING P11							6	6		
41-3	I	4-1	.		243150-00110	O-RING P11							5	5	K	
41-3	I	5	.		233930-20000	JOINT 90 RGI 1/4					1	1	1	1		
					G,H < BM21A29583 & G,H > BM32A30167											
41-3	I	5-1	.		172159-76180	CONNECTOR							1	1		
41-3	I	5-2	.		172159-76180	CONNECTOR					1	1	1	1	N	
41-3		A	.		172194-78260	HOSE G104BC034S					1	1				
41-3		A	.		172194-78240	HOSE G104BC047S							1	1		
41-3	I	B	.		172194-78260	HOSE G104BC034S					1	1	1	1		
41-3	I	B-1	.		172194-78240	HOSE G104BC047S							1	1		
41-3		C	.		172194-78260	HOSE G104BC034S					1	1	1	1		
41-3		D	.		172194-78260	HOSE G104BC034S					1	1	1	1		

Fig 42 HYD OIL TANK

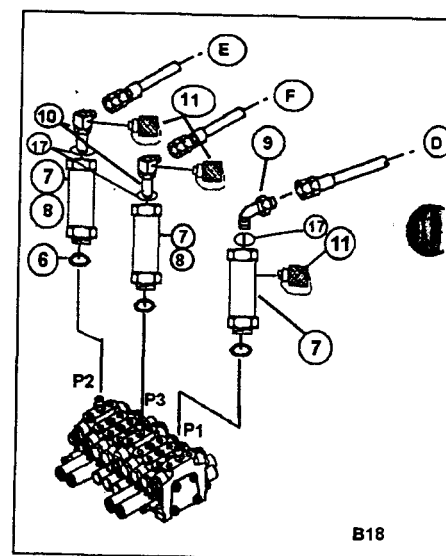


HYD C... 5K

A	B15CR-3	C	B15CR-3
B	B15PR-3	D	B15PR-3
E	B15CRE-3	G	B16CRE
F	B15PRE-3	H	B18PRE

[illegible]

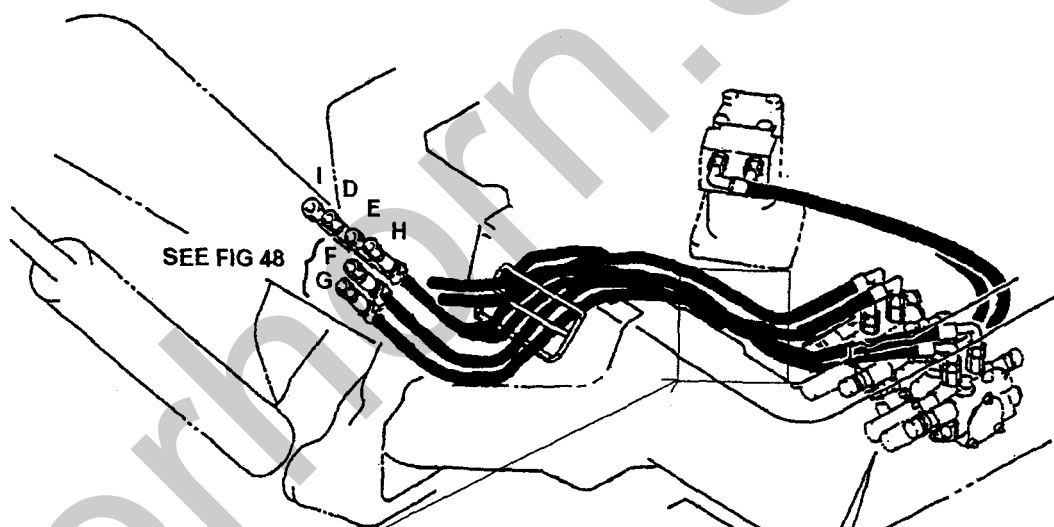
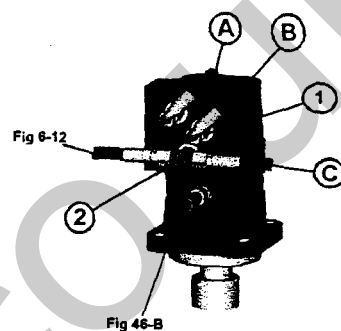
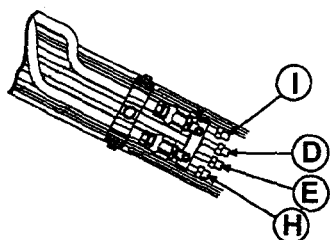
This diagram illustrates the assembly of a hydraulic pump. The main view shows the pump housing with ports P1, P2, and P3. A detailed inset at the top right shows the internal valve assembly with components labeled E, D, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z, AA, AB, AC, AD, AE, AF, AG, AH, AI, AJ, AK, AL, AM, AN, AO, AP, AQ, AR, AS, AT, AU, AV, AW, AX, AY, AZ, BA, BB, BC, BD, BE, BF, BG, BH, BI, BJ, BK, BL, BM, BN, BO, BP, BQ, BR, BS, BT, BU, BV, BW, BX, BY, BZ, CA, CB, CC, CD, CE, CF, CG, CH, CI, CJ, CK, CL, CM, CN, CO, CP, CQ, CR, CS, CT, CU, CV, CW, CX, CY, CZ, DA, DB, DC, DD, DE, DF, DG, DH, DI, DJ, DK, DL, DM, DN, DO, DP, DQ, DR, DS, DT, DU, DV, DW, DX, DY, DZ, EA, EB, EC, ED, EE, EF, EG, EH, EI, EJ, EK, EL, EM, EN, EO, EP, EQ, ER, ES, ET, EU, EV, EW, EX, EY, EZ, FA, FB, FC, FD, FE, FF, FG, FH, FI, FJ, FK, FL, FM, FN, FO, FP, FQ, FR, FS, FT, FU, FV, FW, FX, FY, FZ, GA, GB, GC, GD, GE, GF, GG, GH, GI, GJ, GK, GL, GM, GN, GO, GP, GQ, GR, GS, GT, GU, GV, GW, GX, GY, GZ, HA, HB, HC, HD, HE, HF, HG, HH, HI, HJ, HK, HL, HM, HN, HO, HP, HQ, HR, HS, HT, HU, HV, HW, HX, HY, HZ, IA, IB, IC, ID, IE, IF, IG, IH, II, IJ, IK, IL, IM, IN, IO, IP, IQ, IR, IS, IT, IU, IV, IW, IX, IY, IZ, JA, JB, JC, JD, JE, JF, JG, JH, JI, JJ, JK, JL, JM, JN, JO, JP, JQ, JR, JS, JT, JU, JV, JW, JX, JY, JZ, KA, KB, KC, KD, KE, KF, KG, KH, KI, KJ, KK, KL, KM, KN, KO, KP, KQ, KR, KS, KT, KU, KV, KW, KX, KY, KZ, LA, LB, LC, LD, LE, LF, LG, LH, LI, LJ, LK, LL, LM, LN, LO, LP, LQ, LR, LS, LT, LU, LV, LW, LX, LY, LZ, MA, MB, MC, MD, ME, MF, MG, MH, MI, MJ, MK, ML, MM, MN, MO, MP, MQ, MR, MS, MT, MU, MV, MW, MX, MY, MZ, NA, NB, NC, ND, NE, NF, NG, NH, NI, NJ, NK, NL, NM, NN, NO, NP, NQ, NR, NS, NT, NU, NV, NW, NX, NY, NZ, OA, OB, OC, OD, OE, OF, OG, OH, OI, OJ, OK, OL, OM, ON, OO, OP, OQ, OR, OS, OT, OU, OV, OW, OX, OY, OZ, PA, PB, PC, PD, PE, PF, PG, PH, PI, PJ, PK, PL, PM, PN, PO, PP, PQ, PR, PS, PT, PU, PV, PW, PX, PY, PZ, QA, QB, QC, QD, QE, QF, QG, QH, QI, QJ, QK, QL, QM, QN, QO, QP, QQ, QR, QS, QT, QU, QV, QW, QX, QY, QZ, RA, RB, RC, RD, RE, RF, RG, RH, RI, RJ, RK, RL, RM, RN, RO, RP, RQ, RR, RS, RT, RU, RV, RW, RX, RY, RZ, SA, SB, SC, SD, SE, SF, SG, SH, SI, SJ, SK, SL, SM, SN, SO, SP, SQ, SR, SS, ST, SU, SV, SW, SX, SY, SZ, TA, TB, TC, TD, TE, TF, TG, TH, TI, TJ, TK, TL, TM, TN, TO, TP, TQ, TR, TS, TT, TU, TV, TW, TX, TY, TZ, UA, UB, UC, UD, UE, UF, UG, UH, UI, UJ, UK, UL, UM, UN, UO, UP, UQ, UR, US, UT, UY, UZ, VA, VB, VC, VD, VE, VF, VG, VH, VI, VJ, VK, VL, VM, VN, VO, VP, VQ, VR, VS, VT, VU, VV, VW, VX, VY, VZ, WA, WB, WC, WD, WE, WF, WG, WH, WI, WJ, WK, WL, WM, WN, WO, WP, WQ, WR, WS, WT, WU, WV, WW, WX, WY, WZ, XA, XB, XC, XD, XE, XF, XG, XH, XI, XJ, XK, XL, XM, XN, XO, XP, XQ, XR, XS, XT, XU, XV, XW, XX, XY, XZ, YA, YB, YC, YD, YE, YF, YG, YH, YI, YJ, YK, YL, YM, YN, YO, YP, YQ, YR, YS, YT, YU, YV, YW, YX, YY, YZ, ZA, ZB, ZC, ZD, ZE, ZF, ZG, ZH, ZI, ZJ, ZK, ZL, ZM, ZN, ZO, ZP, ZQ, ZR, ZS, ZT, ZU, ZV, ZW, ZX, ZY, ZZ.



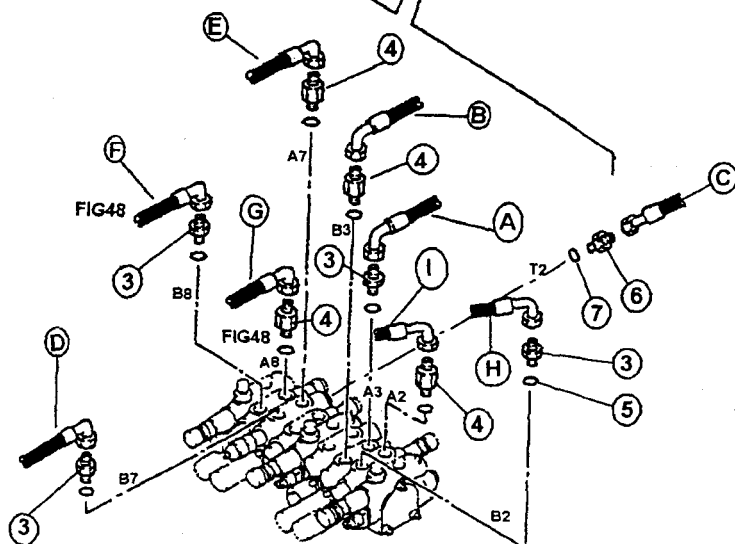
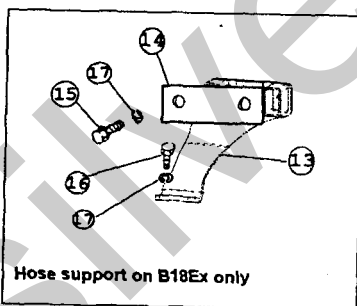
HYD OIL PIPING (TANK- PUMP - CONTROL VALVE)

A	B15CR-3	C	B17CR-3
B	B15PR-3	D	B17CR-3
E	B15CRE-3	G	B18CRE
F	B15PRE-3	H	B18PRE

Fig 44 HYD OIL PIPING (VALVE~SWING MOTOR)
(VALVE~BOOM)



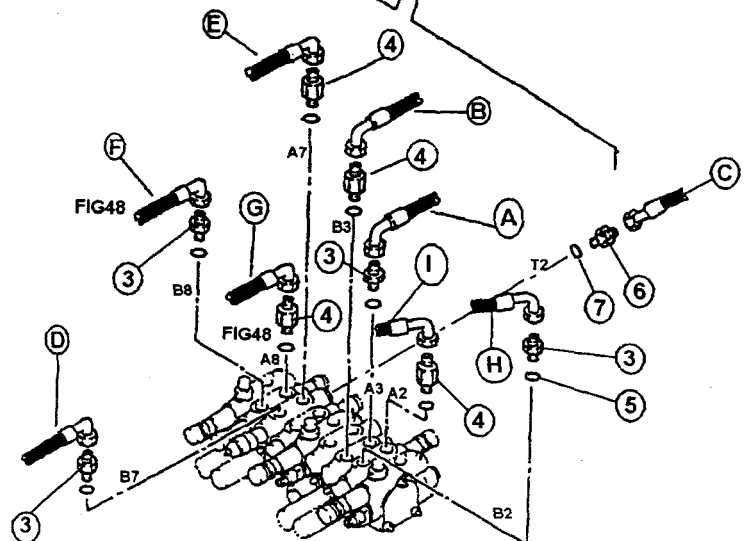
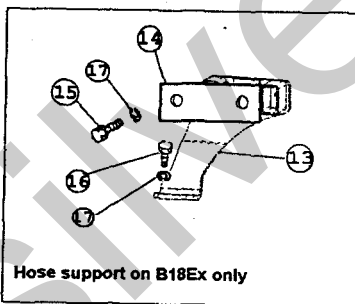
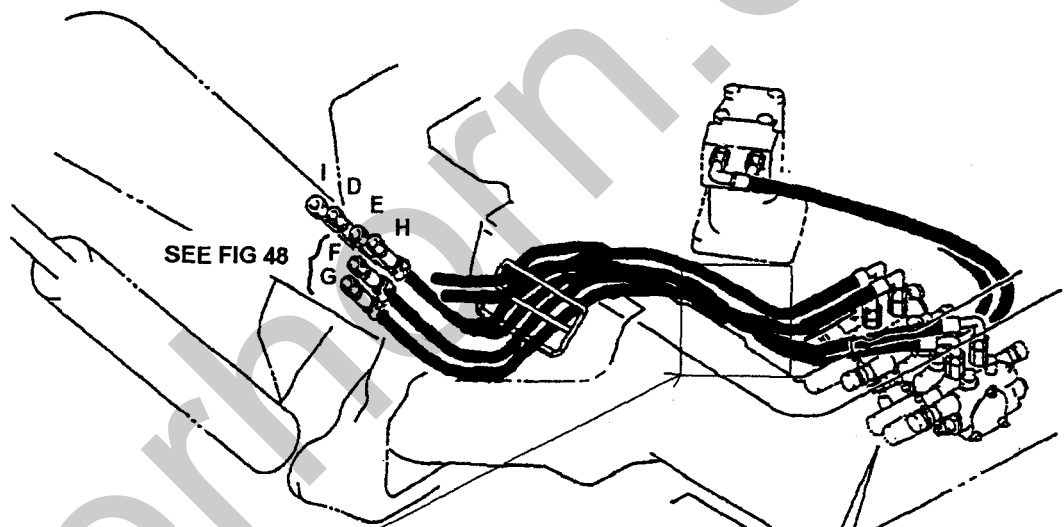
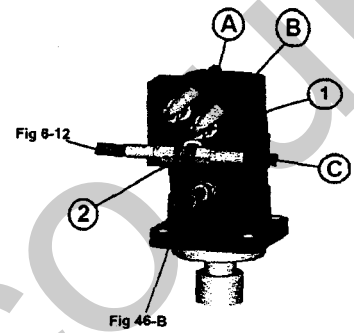
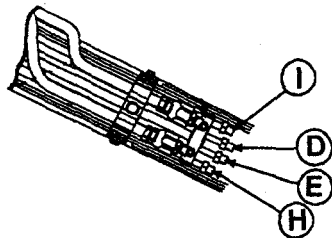
SEE FIG 48



A	B15CR-3	C	B17CR-3
B	B15PR-3	D	B17CR-3
E	B15CRE-3	G	B18CRE
F	B15PRE-3	H	B18PRE

Fig	I	Rep	L	o	PN	Designation	A	B	C	D	E	F	G	H	I	Rq
44		1a	.		172161-76160	CONNECTOR 3/8-1/4	2	2	2	2	2	2	2	2		
44		1b	.		243150-00140	O-RING P14	2	2	2	2	2	2	2	2		
44		2a	.		172194-76420	CONNECTOR PF1/4	1	1	1	1	1	1	1	1		
44		2b	.		243150-00140	O-RING P14	1	1	1	1	1	1	1	1		
44		3	.		172159-76120	CONNECTOR PF1/4	4	4	4	4	4	4	4	4		
44		4	.		172159-76120	CONNECTOR PF1/4	4	4	4	4	4	4				
44		4	.		172180-76100	CONNECTOR PF1/4							4	4		
44		5	.		243150-00110	O-RING P11	8	8	8	8	8	8	8	8		
44		6	.		172194-76340	CONNECTOR PF1/2	1	1	1	1	1	1	1	1		
44		7	.		243150-00180	O-RING P18	1	1	1	1	1	1	1	1		
44		10	.		172464-76620	PIPE, BUCKET (L)							1	1		
44		11	.		261160-80252	BOLT M8x25	4	4	4	4	4	4				
44		11	.		261160-80162	BOLT M8x16							2	2		
44		12	.		222170-80000	SPRING WASHER 8	4	4	4	4	4	4	2	2		
44		13	.		172464-78700	HOSE SUPPORT							1	1		
44		14	.		172179-78550	HOSE SUPPORT COVER							1	1		
44		15	.		261161-00652	BOLT M10x65							2	2		
44		16	.		261161-00202	BOLT M10x20							2	2		
44		17	.		222171-00000	SPRING WASHER 10							4	4		
44		18	.		172165-78150	GROMMET 49x119							1	1		
44		A	.		172451-78280	HOSE G104CC058S	1	1	1	1	1	1	1	1		
44		B	.		172194-78230	HOSE G104BC060S	1	1	1	1						
44		B	.		172451-78280	HOSE G104BC060S					1	1	1	1		
44		C	.		172194-78560	HOSE G608CC032S	1	1	1	1	1	1	1	1		
44		D	.		172451-78180	HOSE G104BC130	1	1	1	1	1	1				
44		D	.		172464-78130	HOSE G104BC123							1	1		
44		Da	.		172451-78980	HOSE COVER	1	1	1	1	1	1				
44		Da	.		172161-79760	HOSE COVER							1	1		
44		Db	.		900160-	CLAMP							1	1		
44		Dc	.		230000-22000	HOSE CLAMP 22							1	1		
44		E	.		172451-78170	HOSE G104BC167	1	1	1	1	1	1				
44		E	.		172464-78120	HOSE G104BC122							1	1		
44		Ea	.		172451-78980	HOSE COVER	1	1	1	1	1	1				
44		Ea	.		172161-79760	HOSE COVER							1	1		
44		Eb	.		900160-	CLAMP							1	1		
44		Ec	.		230000-22000	HOSE CLAMP 22							1	1		
44		F	.		172451-78160	HOSE G104BC150W	1	1	1	1	1	1				
44		F	.		172464-78100	HOSE G104BC128							1	1		
44		Fa	.		172451-78980	HOSE COVER	1	1	1	1	1	1				
44		Fa	.		172161-79760	HOSE COVER							1	1		
44		Fb	.		900160-	CLAMP							1	1		
44		Fc	.		230000-22000	HOSE CLAMP 22							1	1		
44		G	.		172451-78150	HOSE B104BC190W	1	1	1	1	1	1				
44		G	.		172464-78110	HOSE G104BC125							1	1		
44		Ga	.		172451-78980	HOSE COVER	1	1	1	1	1	1				
44		Ga	.		172161-79760	HOSE COVER							1	1		
44		Gb	.		900160-	CLAMP							1	1		
44		Gc	.		230000-22000	HOSE CLAMP 22							1	1		

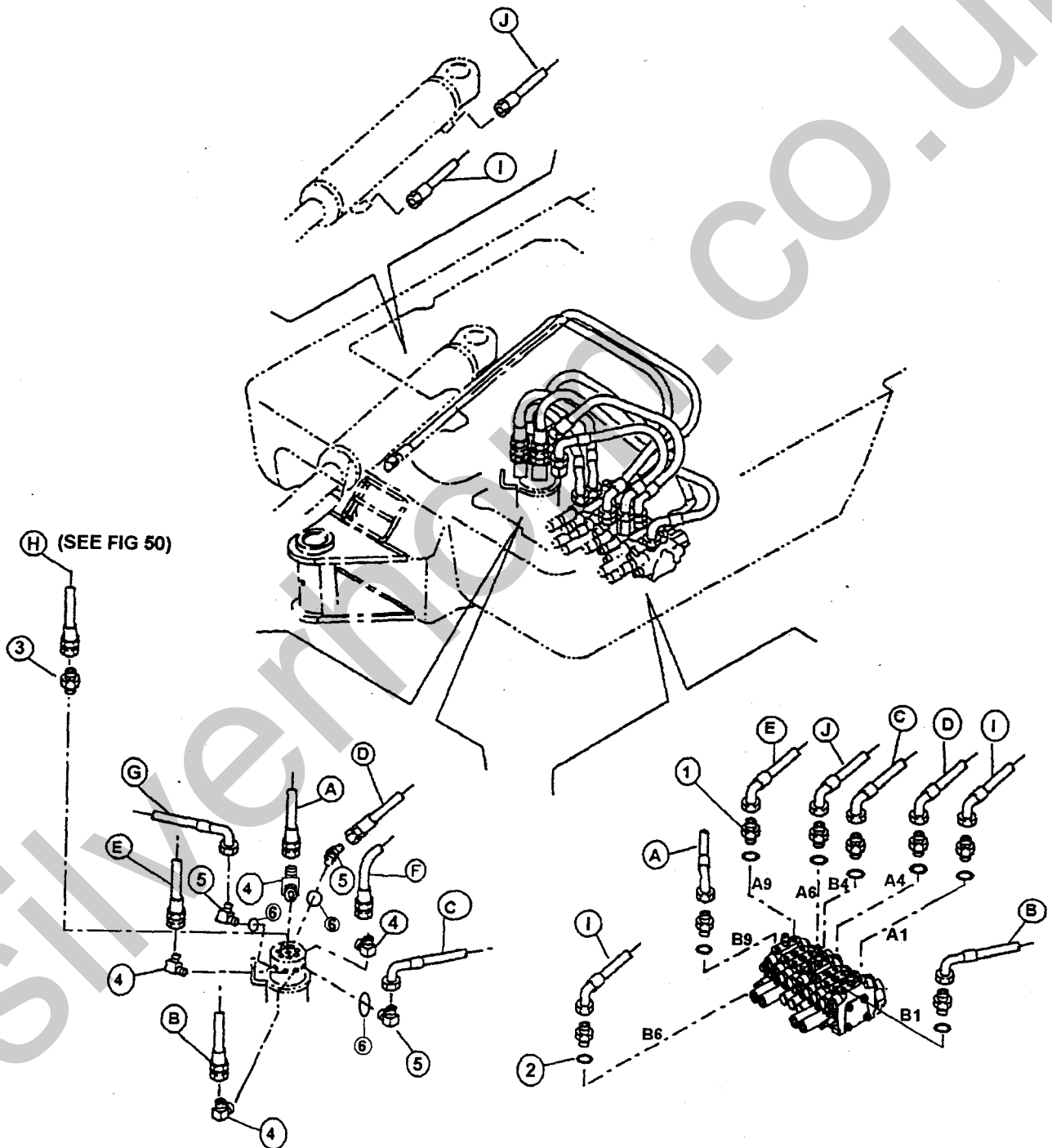
Fig 44 HYD OIL PIPING (VALVE~SWING MOTOR)
(VALVE~BOOM)



	15CR-3	D	B17CR-3
E	B15CRE-3	G	B18CRE
F	B15PRE-3	H	B18PRE

Fig	I	Rep	L	o	PN	Designation	A	B	C	D	E	F	G	H	I	Rq
44		Hb	.		230000-22000	HOSE CLAMP 22							1	1		
44		Hc	.		900160-	CLAMP							1	1		
44		I	.		172451-78200	HOSE G104BC184	1	1	1	1	1	1				
44		I	.		172464-78140	HOSE G104BC130							1	1		
44		Ia	.		172451-78980	HOSE COVER	1	1	1	1	1	1				
44		Ia	.		172161-79760	COVER							1	1		
44		Ib	.		230000-22000	HOSE CLAMP 22							1	1		
44		Ic	.		900160-	CLAMP							1	1		

Fig 45-1 HYD OIL PIPING (VALVE~SWIVEL SWING)

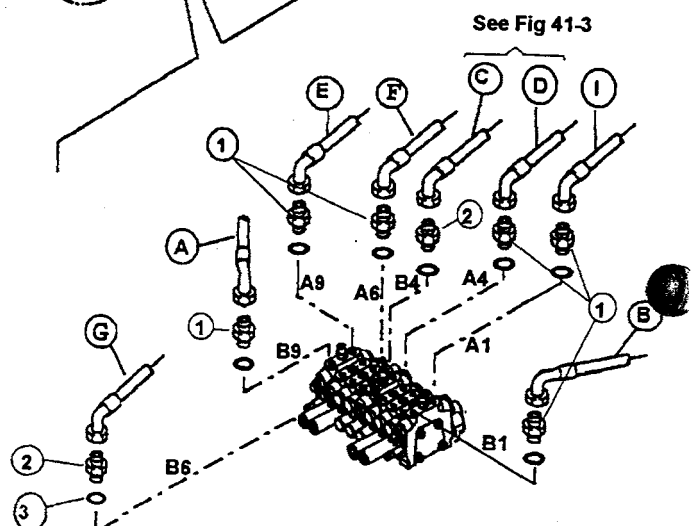
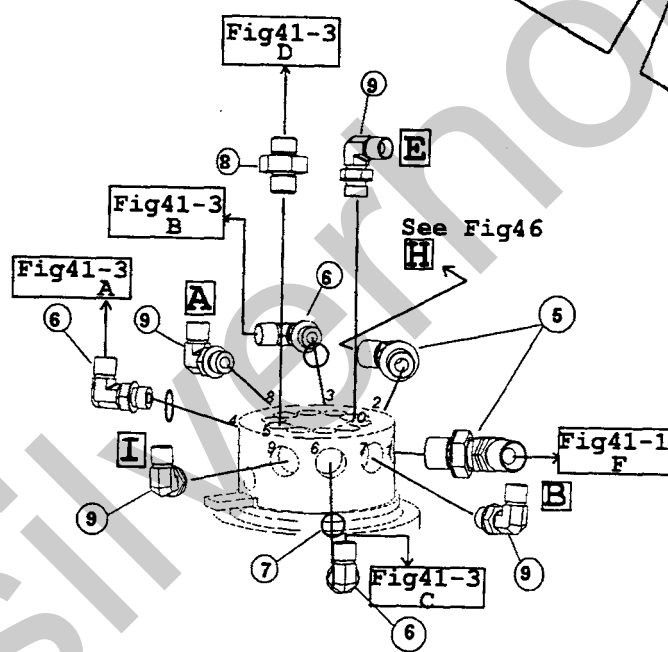


HYD OIL PIPING

(VALVE - SWIVEL JOINT, SWING) (B15-3)

A	B15CR-3	D	B17CR-3
B	B15PR-3	D	B17CR-3
E	B15CRE-3	G	B18CRE
F	B15PRE-3	H	B18PRE

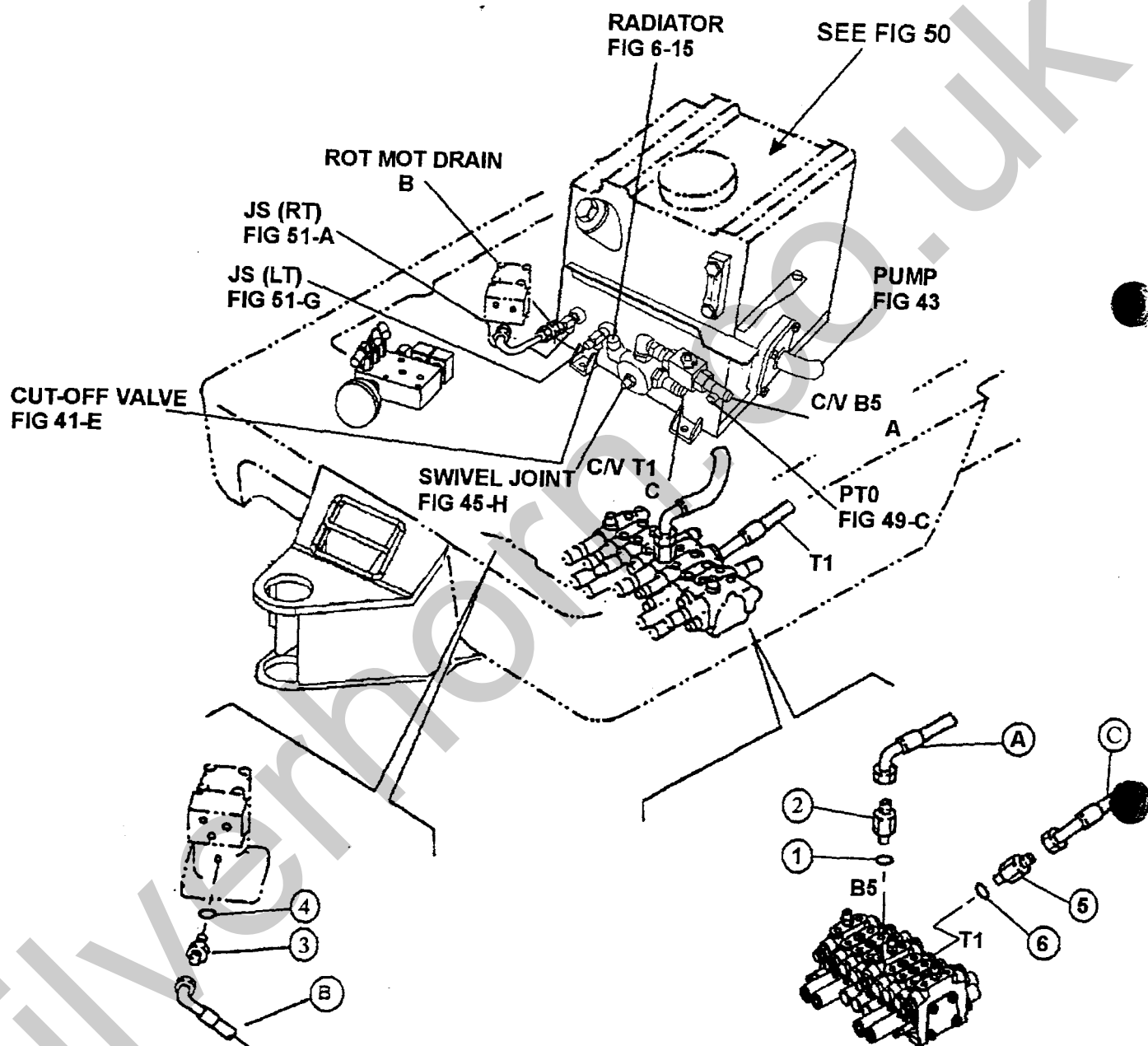
[illegible]

[illegible]

A	B15CR-3	C	B15CR
B	B15PR-3	D	B15PR
E	B15CRE-3	G	B18CRE
F	B15PRE-3	H	B18PRE

[illegible]

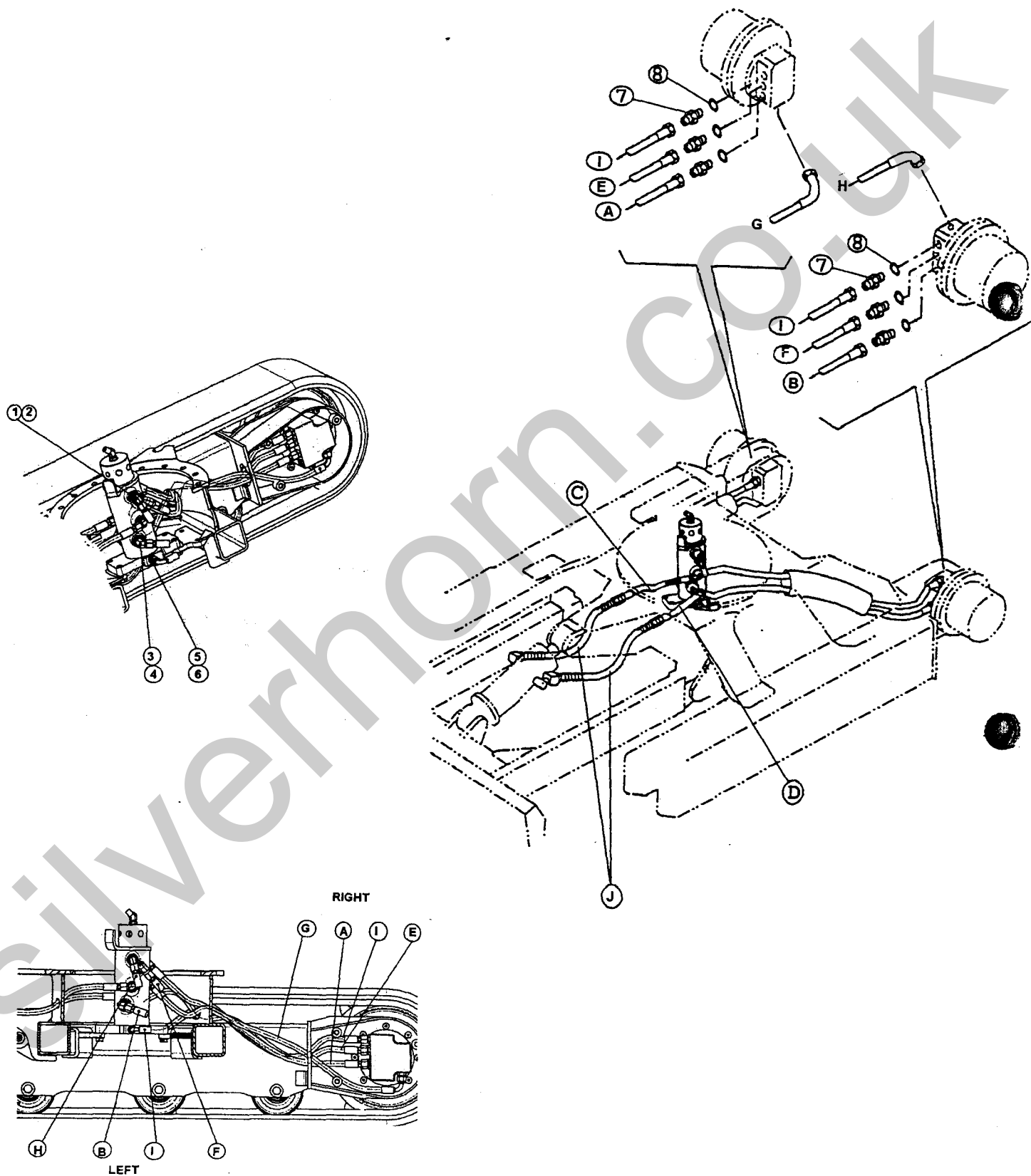
Fig 46 HYD OIL PIPING (RETURN)



A	B15CR-3	C	B17CR-3
B	B15PR-3	D	B17CR-3
E	B15CRE-3	G	B18CRE
F	B15PRE-3	H	B18PRE

[illegible]

Fig 47-1 HYD OIL(TRACK FRAME)



A	B15CR-3	C	B17CR-3
B	B15PR-3	D	B17CR-3
E	B15CRE-3	G	B18CRE
F	B15PRE-3	H	B18PRE

[illegible]

This diagram shows an exploded view of a mechanical assembly. The main components are a cylindrical housing (top left), a central shaft assembly (center), and a base plate (bottom). The assembly is shown in a disassembled state to illustrate the relationship between parts. Key components and their callouts include:

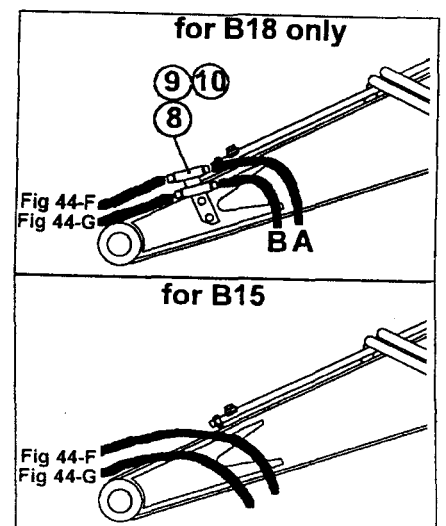
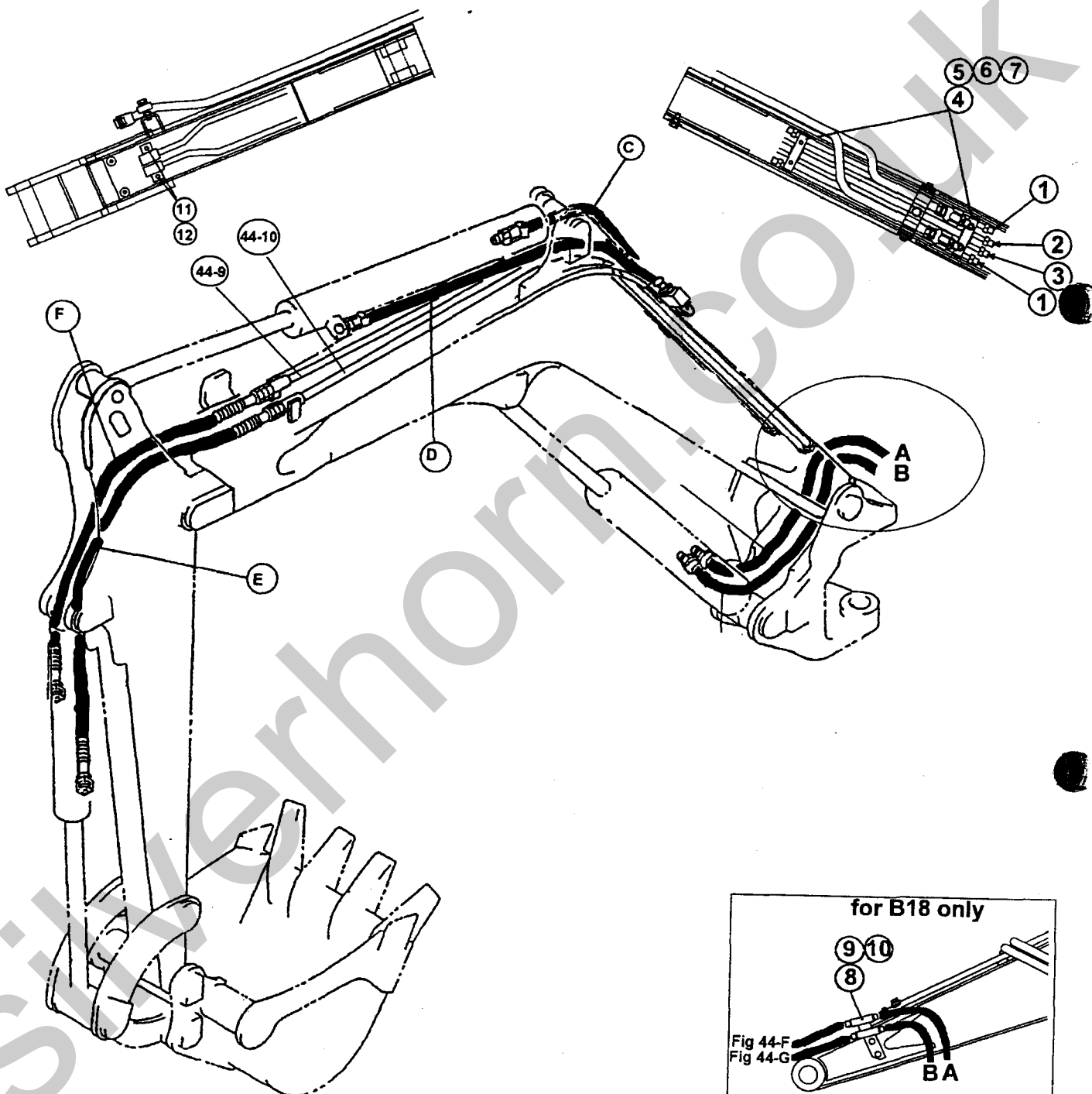
- Top Housing:** A cylindrical component with a flange and mounting holes. Callouts include 6, 7, 8, 9, 10, and 11.
- Central Shaft Assembly:** A central shaft with various components mounted on it. Callouts include 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.
- Base Plate:** A rectangular plate with mounting holes. Callouts include 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

(TRACK FRAME) (B15-3Ex / B18Ex)

A	B15CR-3	C	B17CR-3
B	B15PR-3	D	B17CR-3
E	B15CRE-3	G	B18CRE
F	B15PRE-3	H	B18PRE

[illegible]

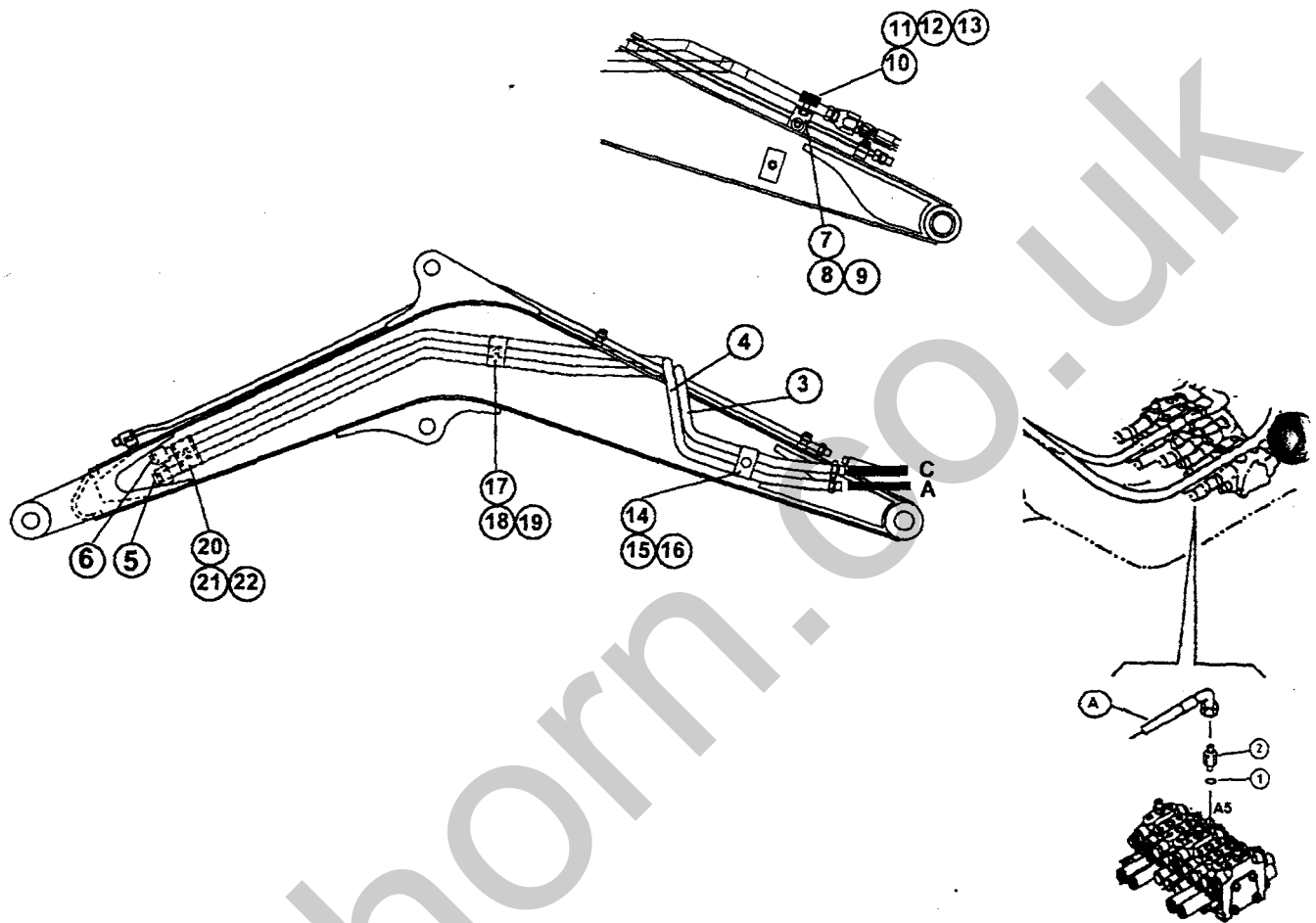
Fig 48 HYD OIL PIPING (BOOM)



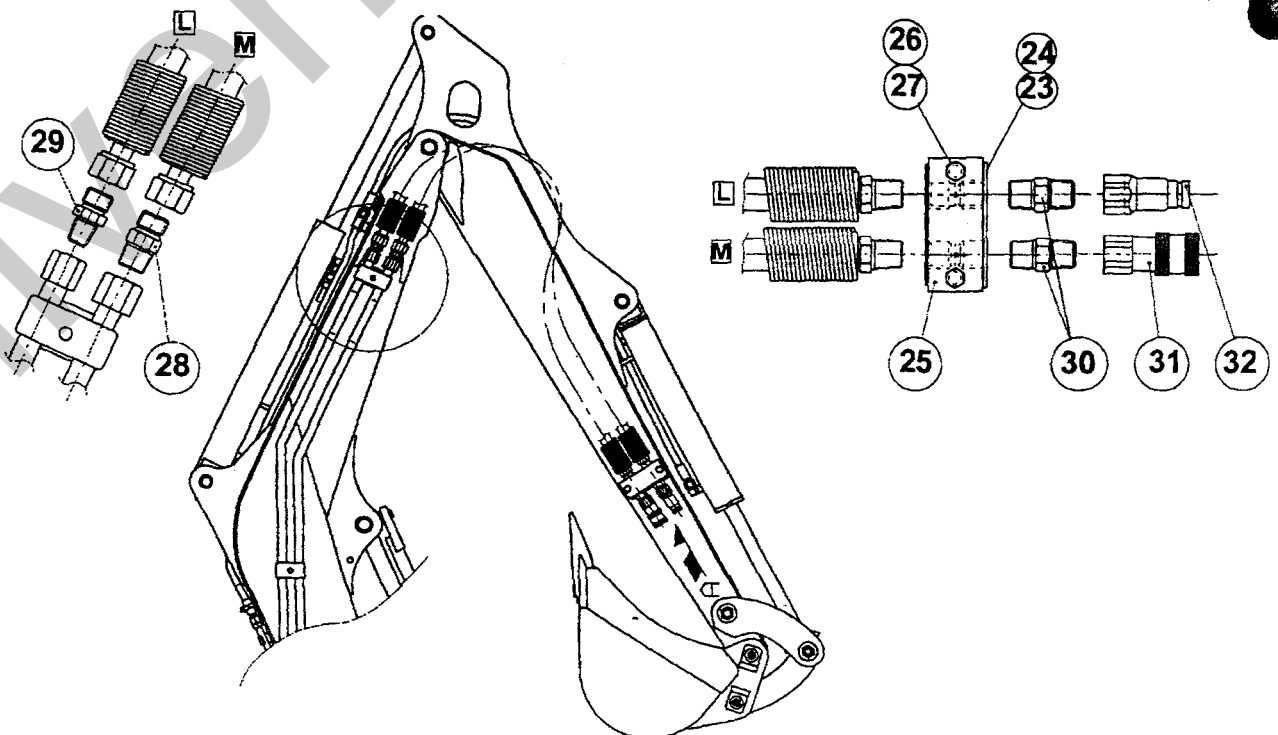
C	B17CR-3
D	B17CR-3
G	B18CRE
H	B18PRE

Fig	I	Rep	L	o	PN	Designation	A	B	C	D	E	F	G	H	I	Rq
48		1	.		172451-76640	TUBE ARM	2	2	2	2	2	2				
48		1	.		172464-76590	TUBE ARM							2	2		
48		2	.		172451-76600	TUBE BUCKET R	1	1	1	1	1	1				
48		2	.		172464-76600	TUBE BUCKET R							1	1		
48		3	.		172451-76620	TUBE BUCKET L	1	1	1	1	1	1				
48		3	.		172464-76620	TUBE BUCKET L							1	1		
48		4	.		172451-76390	CLAMP TUBE	2	2	2	2	2	2				
48		4	.		172159-76700	PLATE							4	4		
48		5	.		261160-80252	BOLT M8X25	4	4	4	4	4	4	4	4		
48		6	.		172159-76710	COLLAR	4	4	4	4	4	4	4	4		
48		7	.		222170-80000	SPRING WASHER 8	4	4	4	4	4	4	4	4		
48		8	.		172159-76580	JOINT BOOM							1	1		
48		9	.		261161-00162	BOLT M10x16							2	2		
48		10	.		222171-00000	SPRING WASHER 10							2	2		
48		11	.		261160-80162	BOLT M8x16	2	2	2	2	2	2	2	2		
48		12	.		222170-80000	SPRING WASHER 8	2	2	2	2	2	2	2	2		
48		A	.		172464-78070	HOSE G104BB067							1	1		
48		Aa	.		172161-79760	HOSE COVER							1	1		
48		Ab	.		230000-22000	HOSE CLAMP 22							2	2		
48		B	.		172464-78080	HOSE G104BB073							1	1		
48		Ba	.		172159-78770	HOSE COVER							1	1		
48		Bb	.		230000-22000	HOSE CLAMP 22							2	2		
48		C	.		172451-78630	HOSE G104BB037	1	1	1	1	1	1	1	1		
48		Ca	.		172159-78990	HOSE COVER	1	1	1	1	1	1	1	1		
48		Cb	.		230000-22000	HOSE CLAMP 22	2	2	2	2	2	2	2	2		
48		D	.		172451-78640	HOSE G104BB084	1	1	1	1	1	1	1	1		
48		Da	.		172174-78940	HOSE COVER	1	1	1	1	1	1	1	1		
48		Db	.		230000-22000	HOSE CLAMP 22	2	2	2	2	2	2	2	2		
48		E	.		172451-78620	HOSE G104BB103W	1	1	1	1	1	1				
48		E	.		172464-78050	HOSE G104BB127W							1	1		
48		F	.		172451-78610	HOSE G104BB068W	1	1	1	1	1	1				
48		F	.		172464-78060	HOSE G104BB092W							1	1		

Fig 49 HYD OIL PIPING (PTO)



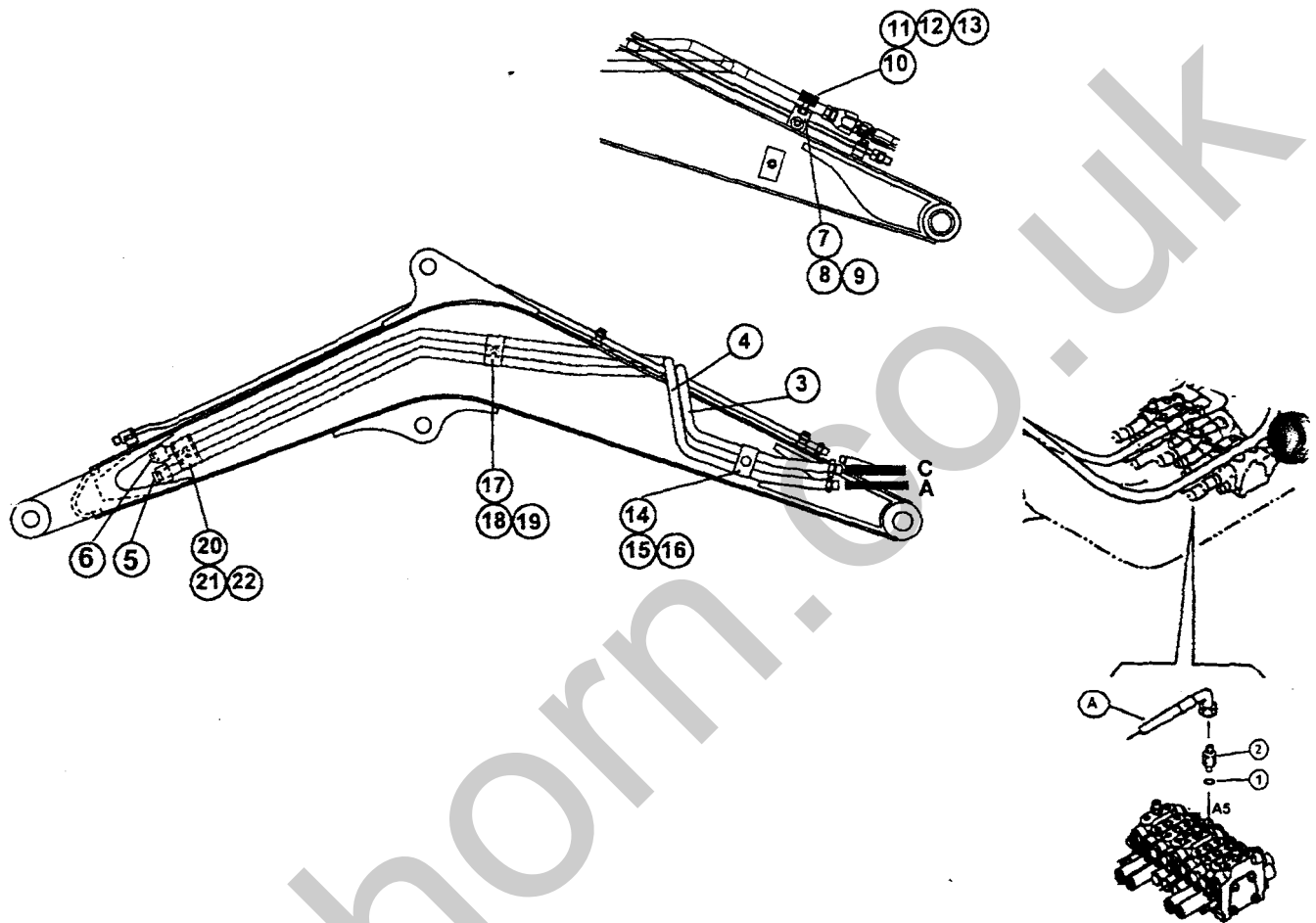
PTO Extension



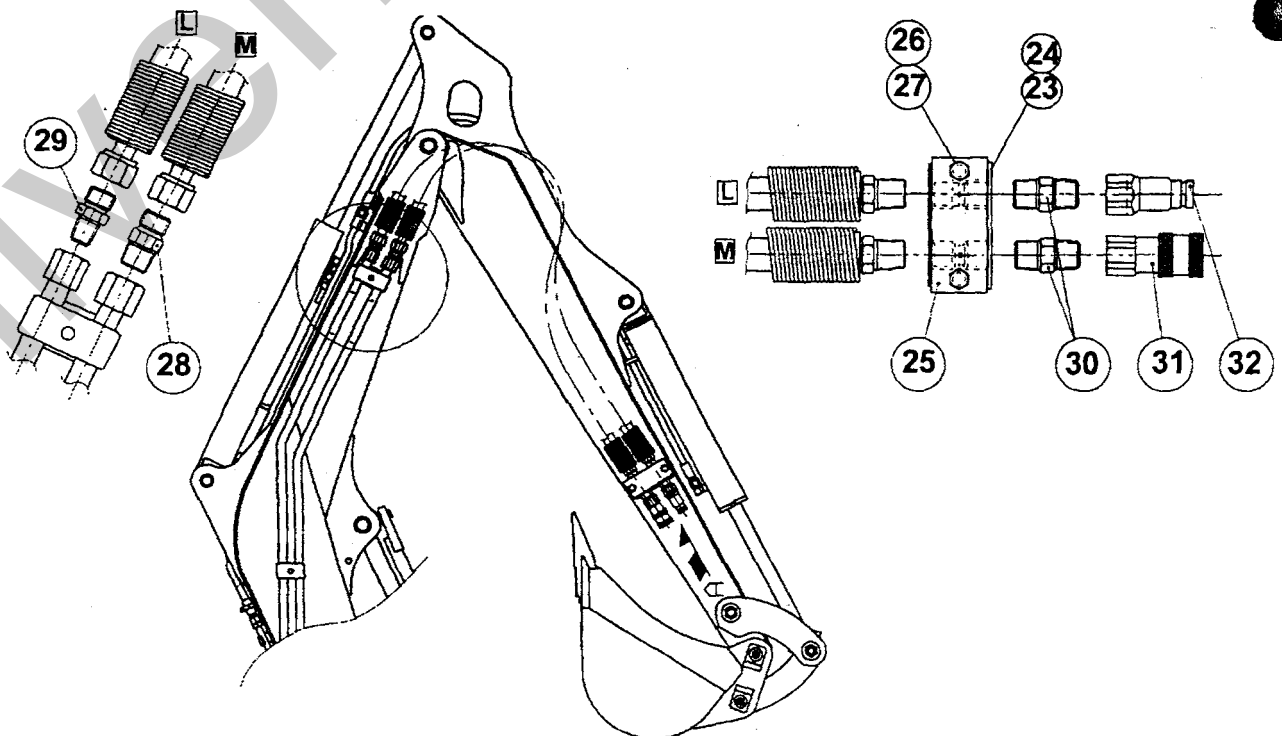
E	B18CRE-3	G	B18CRE
F	B15PRE-3	H	B18PRE

[illegible]

Fig 49 HYD OIL PIPING (PTO)

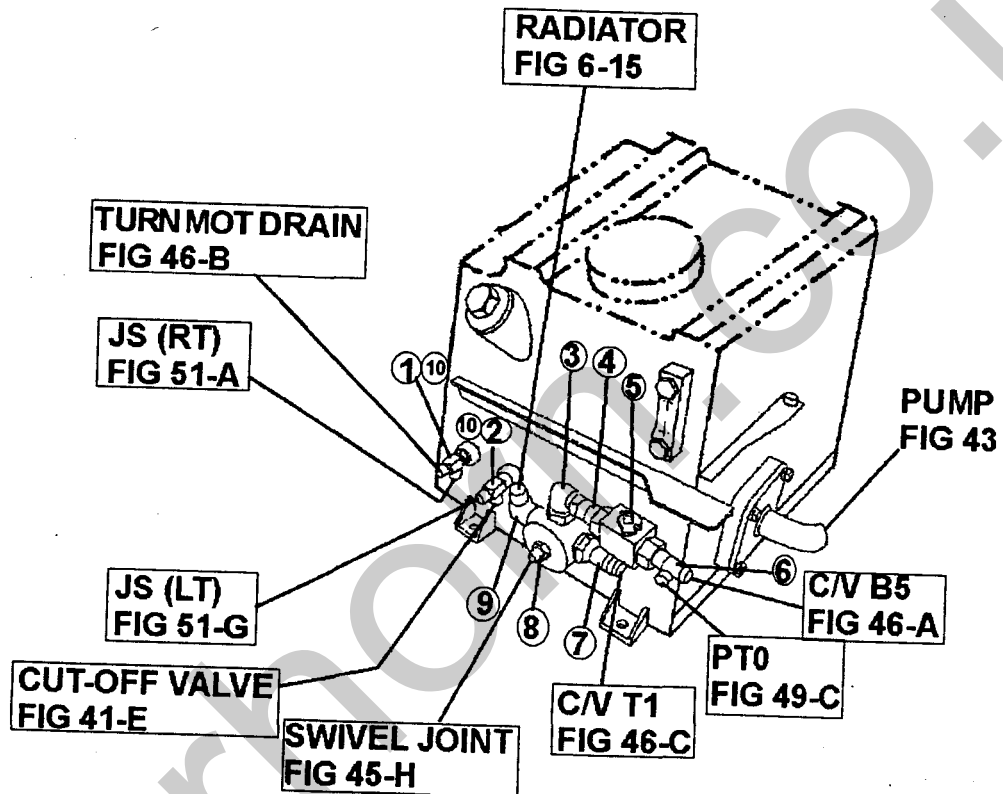


PTO Extension



A	B15CR		
B	B15PR-3		
E	B15CRE-3	G	B16ORE
F	B15PRE-3	H	B18PRE

Fig 50 HYD OIL PIPING (HYD TANK FITTING)



HYD OIL TANK (HYD TANK FITTING)

A	B15CR-3	C	B17CR-3
B	B15PR-3	D	B17CR-3
E	B15CRE-3	G	B18CRE
F	B15PRE-3	H	B18PRE

[illegible]

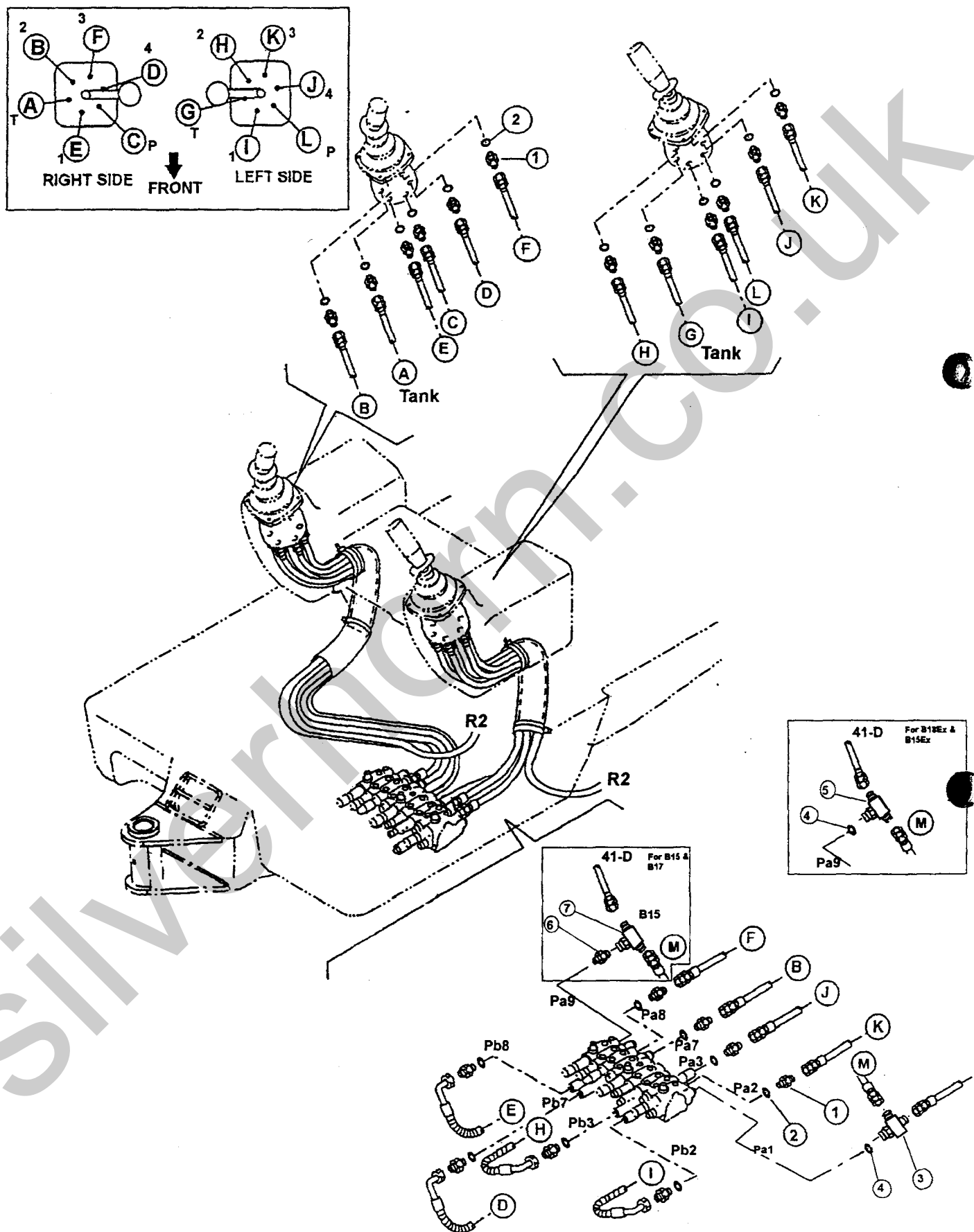


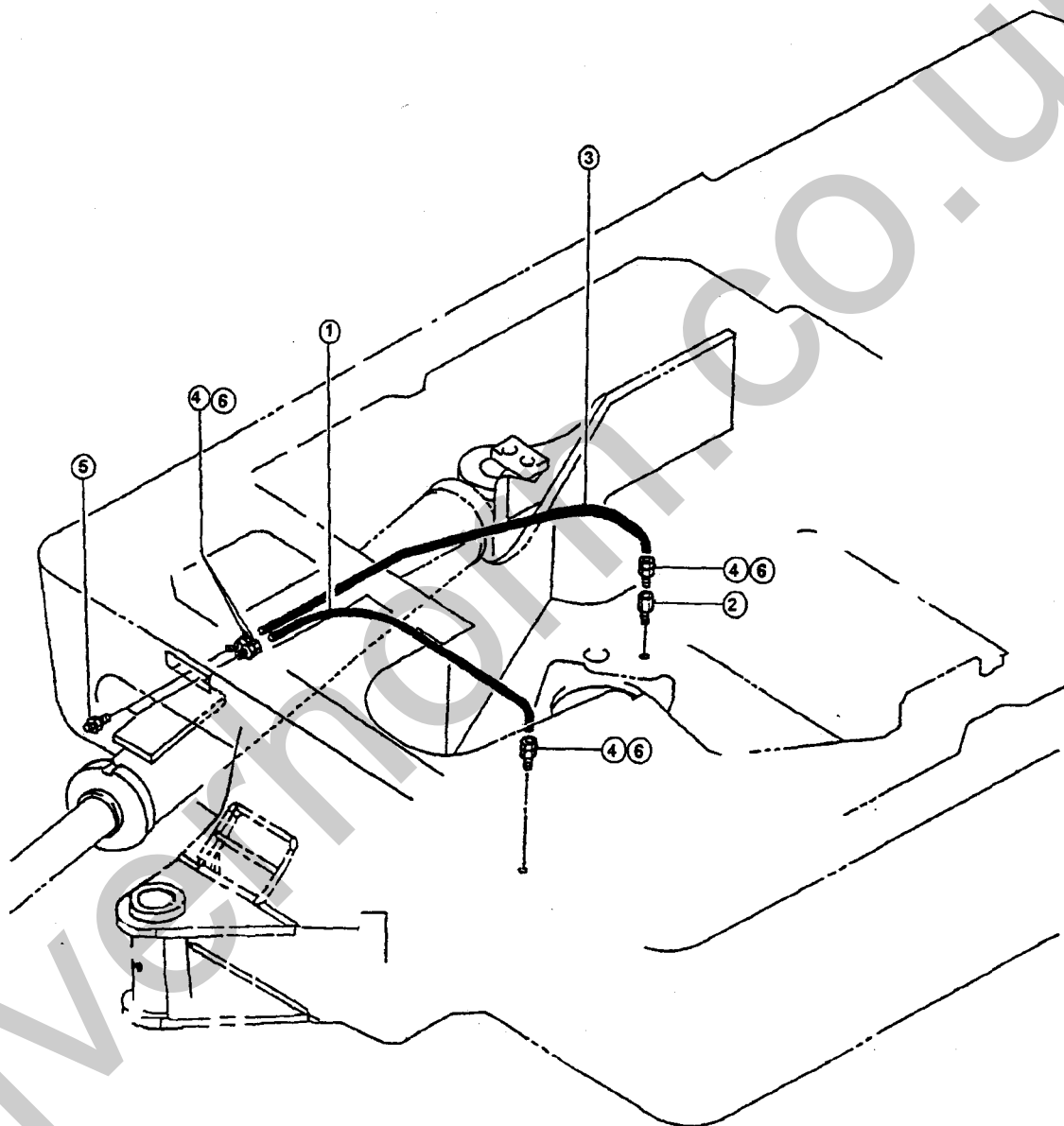
Fig 51 **HYD OIL PIPING (CON)**

A	B15CR-3	C	B17CR-3
B	B15PR-3	D	B17CR-3
E	B15CRE-3	G	B18CRE
F	B15PRE-3	H	B18PRE

[illegible]

- | | |
|-----|---|
| (1) | Cut-Off Valve moved from rear to front |
| (2) | Parts added on B15-3 & B17-3 for Travel Safety Device |

Fig 52 GREASING



A	B15CR-3	C	B17CR-3
B	B15PR-3	D	B17CR-3
E	B15CRE-3	G	B18CRE
F	B15PRE-3	H	B18PRE

[illegible]

B	B15PRE-1	G	B18CRE
E	B15CRE-3	H	B18PRE

Fig	I	Rep	L	o	PN	Designation	A	B	C	D	E	F	G	H	I	Rq
53		1	.		172451-81100	BOOM ASSY	1	1	1	1	1					
53		1	.		172464-81090	BOOM ASSY							1	1		
53		2	..		172451-81270	DUST SEAL 35x45x4	2	2	2	2	2	2	2	2		
53		3	..		172159-81480	PIN BUSH	2	2	2	2	2	2	2	2		
53		4	..		247610-50000	GREASE NIPPLE 1/8 90°	1	1	1	1	1	1	1	1		
53		5	.		172194-81340	PIN 30x114	1	1	1	1	1	1	1	1		
53		6	.		261161-00302	BOLT M10x30	5	5	5	5	5	5	5	5		
53		7	.		222171-00000	SPRING WASHER 10	5	5	5	5	5	5	5	5		
53		8	.		221571-00000	WASHER 10	5	5	5	5	5	5	5	5		
53		9	.		172174-82460	SPACER 7-12-19	5	5	5	5	5	5	5	5		
53		10	.		172159-81530	SHIM 30	1	1	1	1	1	1	1	1		
53		11	.		172194-81300	PIN 35x114	1	1	1	1	1	1	1	1		
53		12	.		172159-81500	SHIM 35	4	4	4	4	4	4	4	4		
53		13	.		172451-81400	PIN 35x146	1	1	1	1	1	1	1	1		
53		14	.		172451-82380	PIN 35x96	1	1	1	1	1	1				
53		14	.		172194-81300	PIN 35x114							1	1		
53		15	.		247610-20000	GREASE NIPPLE 1/8	1	1	1	1	1	1				
53		16	.		172180-83120	BUSHING 50x30							2	2		
53		17	.		172451-82300	BOOM BRACKET	1	1	1	1	1	1				
53		17	.		172464-83110	BOOM BRACKET							1	1		
53		18	.		172451-82350	PIN 35x197	1	1	1	1	1	1				
53		18	.		172194-83130	PIN 35x213							1	1		
53		19	.		172451-82330	PIN 40x235.5	1	1	1	1	1	1				
53		19	.		172159-83110	PIN 50x246							1	1		
53		20	.		261161-00252	BOLT M10x25							2	2		
53		21	.		172159-83190	PLATE LOCK							1	1		
53		22	.		261161-21102	BOLT 12x110	1	1	1	1	1	1				
53		23	.		267161-20002	NUT 12	2	2	2	2	2	2				
53		24	.		222420-00400	RING 40	1	1	1	1	1	1				
53		25	.		261161-00252	BOLT M10x25							2	2		
53		26	.		222171-00000	SPRING WASHER 10							6	6		
53		27	.		172159-83210	STOPPER PLATE							2	2		
53		28	.		172451-82320	PIN 30x68	1	1	1	1	1	1				
53		28	.		172194-83180	PIN 38x88							1	1		
53		29	.		261161-00202	BOLT M10x20							2	2		
53		30	.		172451-81460	PIN 30x90	1	1	1	1	1	1				
53		30	.		172194-83180	PIN 38x88							1	1		
53		31	.		172159-81530	SHIM 30	1	1	1	1	1	1				
53		31	.		172159-83220	SHIM 39							1	1		
53		32	.		172159-83220	SHIM 39							1	1		
53		33	.		261161-20252	BOLT M12x25	1	1	1	1	1	1				
53		34	.		222171-20000	SPRING WASHER 12	1	1	1	1	1	1				
53		35	.		172184-82320	SPACER	1	1	1	1	1	1				
53		36	.		261161-00202	BOLT M10x20	1	1	1	1	1	1				

Fig 34 ARM & BUCKET LINK

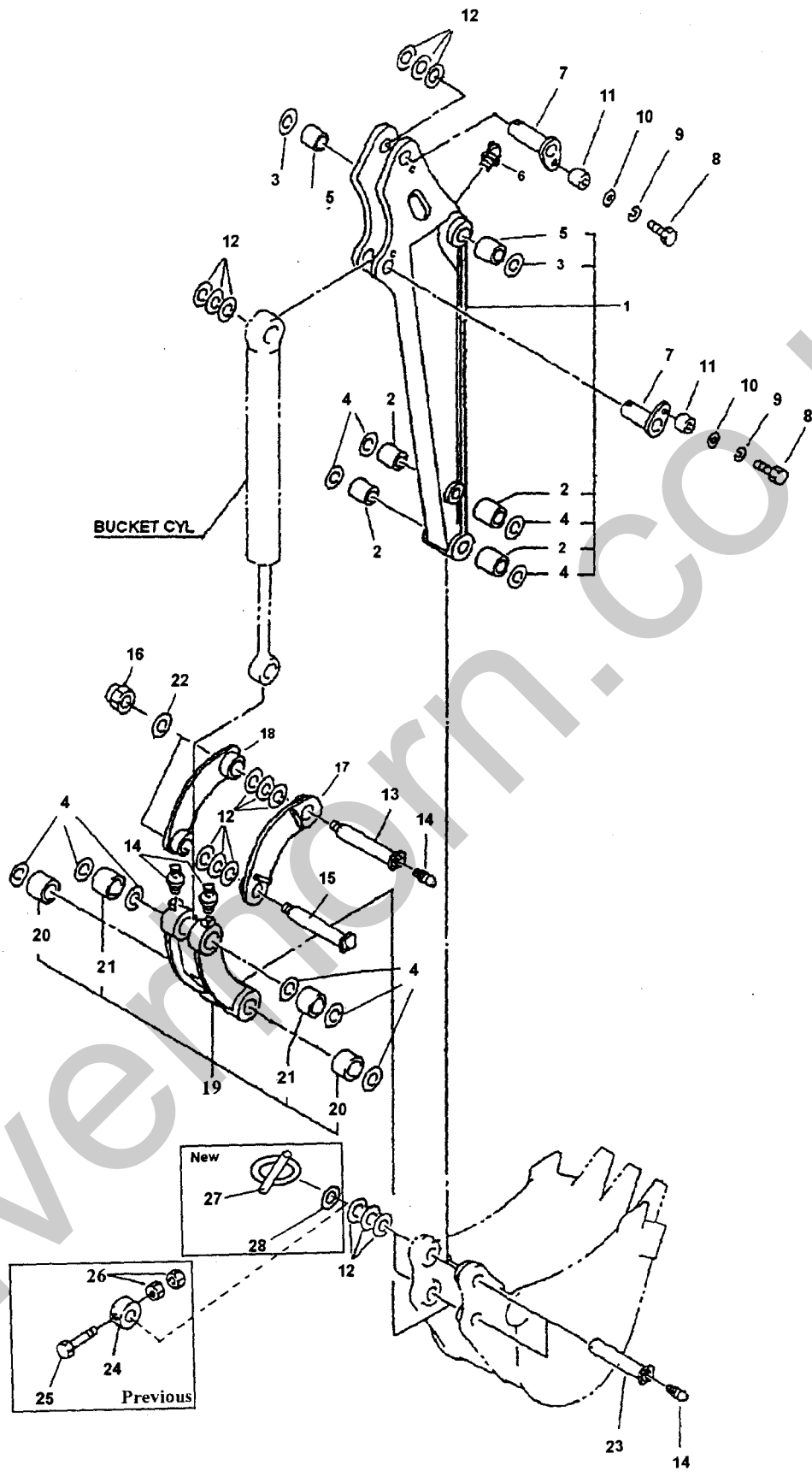


Fig 54

ARM & D

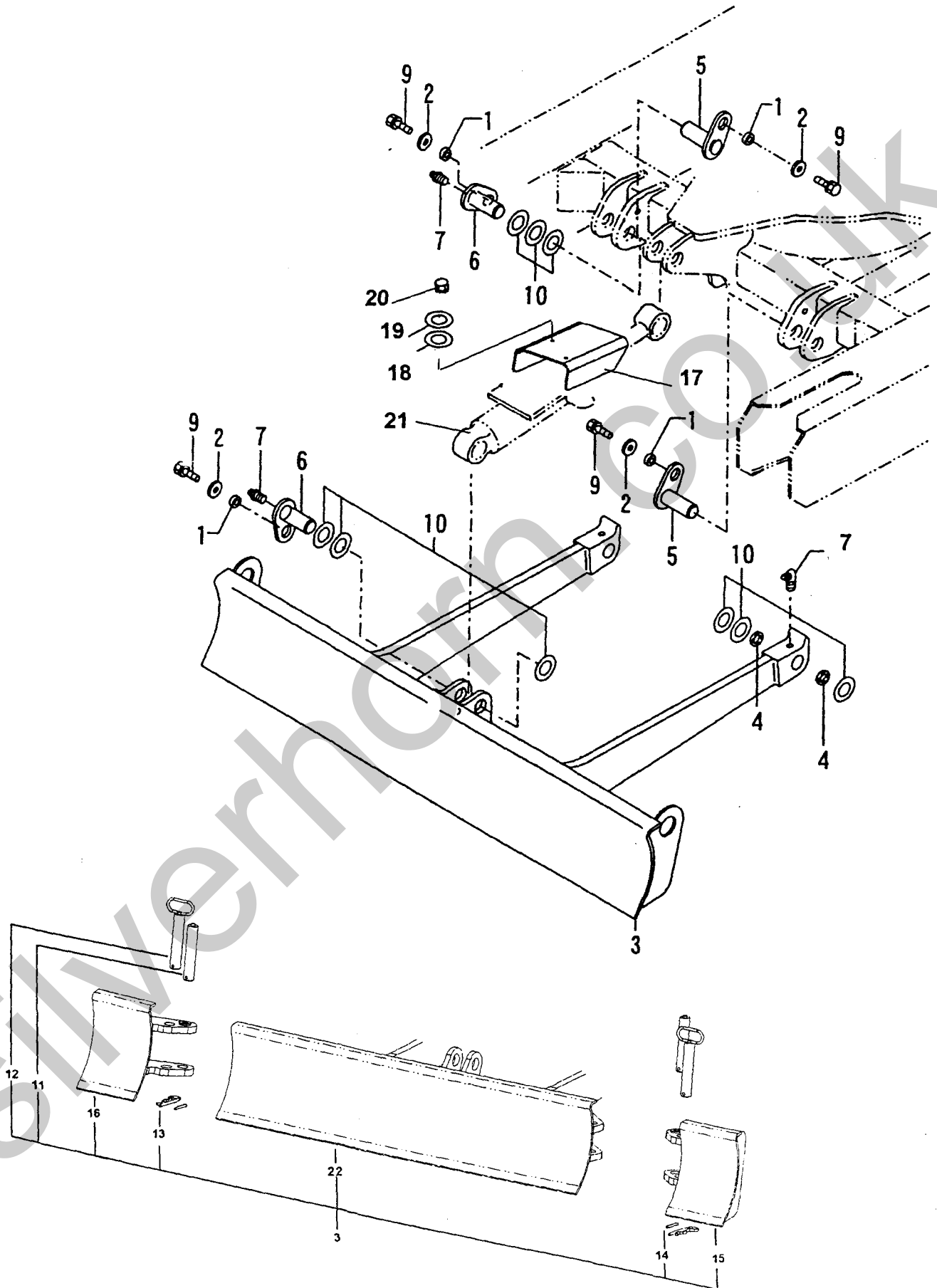
MINI

A	B15CP-3	I	
B	B15PR-3	J	
E	B15CRE-3	G	
F	B15PRE-3	H	B15PRE

Fig	I	Rep	L	o	PN	Designation	A	B	C	D	E	F	G	H	I	Rq
54		1	.		172451-81490	SHORT ARM ASSY (1050 mm)	1	1	1	1	1	1				
54		1	.		172464-81490	LONG ARM ASSY (1300 mm)							1	1		
54		1	.		172464-81690	MEDIUM ARM ASSY (1200 mm)	1	1	1	1	1	1	1	1		(1)
54		2	..		172159-82270	PIN BUSH 30X45	4	4	4	4	4	4	4	4		
54		3	..		172451-81270	DUST SEAL 35x45x4	2	2	2	2	2	2	2	2		
54		4	..		172451-81600	DUST SEAL 30x40x4,2	10	10	10	10	10	10	10	10		
54		5	..		172159-81480	PIN BUSH	2	2	2	2	2	2	2	2		
54		6	.		247610-40000	GREASE NIPPLE 1/8 45°	1	1	1	1	1	1	1	1		
54		7	.		172451-81440	PIN 30x94	2	2	2	2	2	2	2	2		
54		8	.		261161-00302	BOLT M10x30	2	2	2	2	2	2	2	2		
54		9	.		222171-00000	SPRING WASHER 10	2	2	2	2	2	2	2	2		
54		10	.		221571-00000	WASHER 10	2	2	2	2	2	2	2	2		
54		11	.		172174-82460	SPACER 7-12-19	2	2	2	2	2	2	2	2		
54		12	.		172159-81530	SHIM 30 PIN ADJUST	5	5	5	5	5	5	5	5		
54		13	.		172194-83200	PIN 30-150	1	1	1	1	1	1	1	1		
54		14	.		247610-20000	GREASE NIPPLE 1/8	5	5	5	5	5	5	5	5		
54		15	.		172194-83250	PIN 30x150 B ASSY	1	1	1	1	1	1	1	1		
54		16	.		172194-81380	NUT M16	2	2	2	2	2	2	2	2		
54		17	.		172451-84500	BUCKET ARM (L)	1	1	1	1	1	1	1	1		
54		18	.		172451-84510	BUCKET ARM (R)	1	1	1	1	1	1	1	1		
54		19	.		172451-84400	BUCKET LINK	1	1	1	1	1	1	1	1		
54		20	..		172159-82270	BUSH PIN 30x45	2	2	2	2	2	2	2	2		
54		21	..		172159-84451	BUSH 30-21	2	2	2	2	2	2	2	2		
54		22	.		172194-81390	WASHER 17x40x4	2	2	2	2	2	2	2	2		
54	I	23	.		172194-86250	PIN 30-150	2	2	2	2	2	2	2	2	F	
54	I	23-1	.		172194-86251	PIN 30-159	2	2	2	2	2	2	2	2		
54	I	24	.		172194-83220	COLLAR	2	2	2	2	2	2	2	2	Z	
54	I	25	.		261161-00602	BOLT M10x60	2	2	2	2	2	2	2	2	Z	
54	I	26	.		267161-00002	NUT M10	4	4	4	4	4	4	4	4	Z	
54		27	.		172451-83100	PIN	2	2	2	2	2	2	2	2		
54		28	.		172451-83110	WASHER 30	2	2	2	2	2	2	2	2		

(1) MEDIUM ARM OPTIONAL ON B15-3 & B18

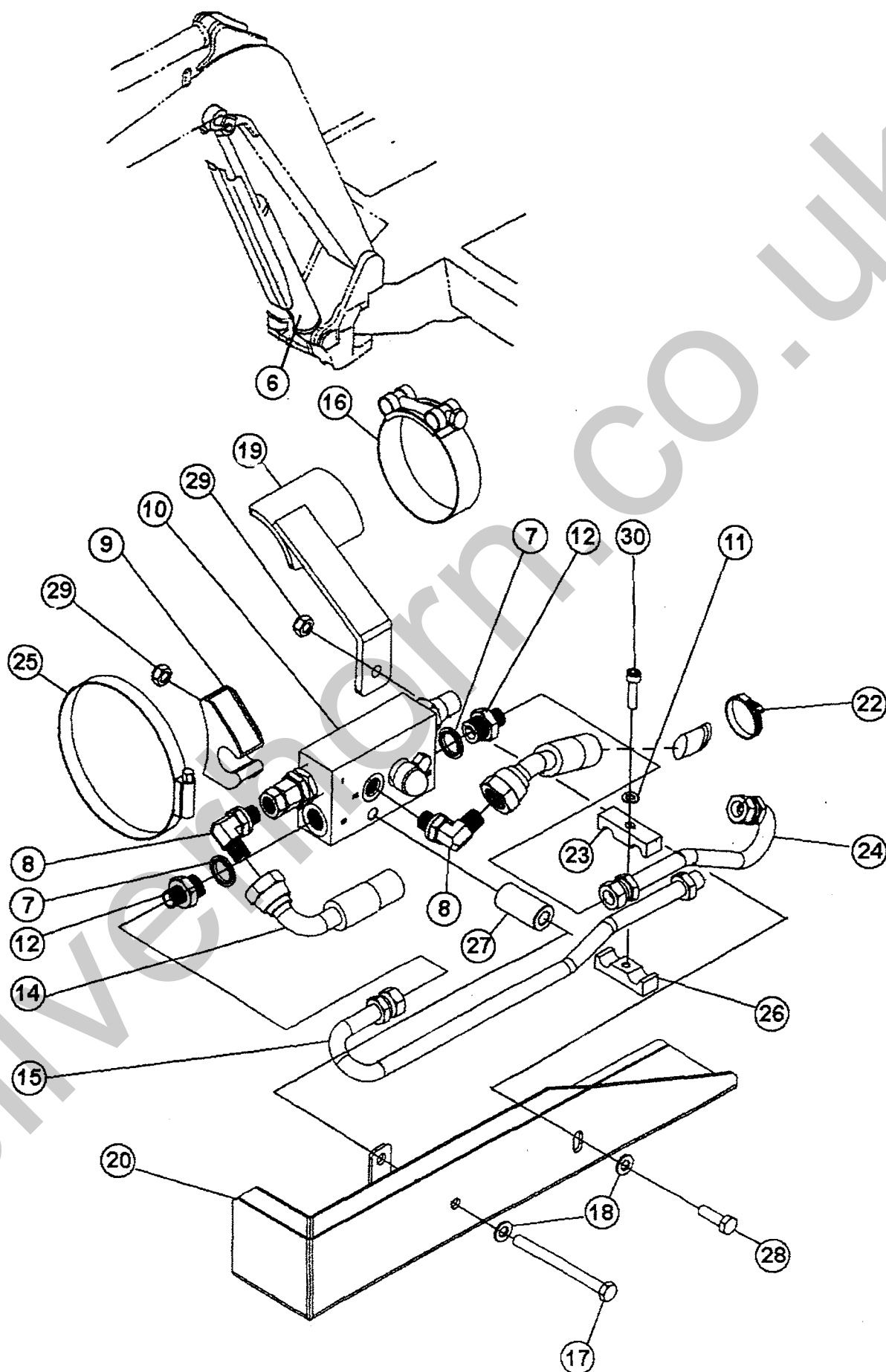
Fig 55 BLADE



A	B16CR-3	C	B17CR-3
B	B15PR-3	D	B17CR-3
E	B15CRE-3	G	B18CRE
F	B15PRE-3	H	B18PRE

Fig	I	Rep	L	o	PN	Designation	A	B	C	D	E	F	G	H	I	Rq
55		1	.		172174-82460	SPACER 7-12-19	4	4	4	4	4	4	4	4		
55		2	.		221571-00000	LARGE WASHER 10	4	4	4	4	4	4	4	4		
55		3	.		172451-94100	BLADE 1000	1	1	1	1						
55	I	3	.		172464-94102	BLADE					1	1	1	1		
55		4	.		222171-00000	SPRING WASHER 10	4	4	4	4	4	4	4	4		
55		5	.		172194-94260	PIN 30-76 A ASSY	2	2	2	2	2	2	2	2		
55		6	.		172194-94270	PIN 30-76 B ASSY	2	2	2	2	2	2	2	2		
55		7	.		247610-20000	GREASE NIPPLE 1/8	4	4	4	4	4	4	4	4		
55		9	.		261161-00252	BOLT M10x25	4	4	4	4	4	4	4	4		
55		10	.		172159-81530	SHIM 30 (PIN ADJUST)	2	2	2	2	4	4	4	4		
55		11	..		172464-94270	PIN 25					2	2	2	2		
55		12	..		172464-94250	PIN 135x25					2	2	2	2		
55		13	..		172464-94260	COTTER PIN					2	2	2	2		
55		14	..		224176-00450	PIN 6,0x45					2	2	2	2		
55	I	15	..		172464-94221	EXTEND BLADE (L)					1	1	1	1	N	
55	I	16	..		172464-94241	EXTEND BLADE (R)					1	1	1	1	N	
55		17	.		172451-72870	COVER, BLADE	1	1	1	1						
55		18	.		221170-50000	WASHER 5	2	2	2	2						
55		19	.		222170-50000	SPRING WASHER 5	2	2	2	2						
55		20	.		264500-50162	SCREW M5x16	2	2	2	2						
55		21	.		172451-72501	BLADE CYLINDER	1	1	1	1						
55		21	.		172464-72500	BLADE CYLINDER					1	1	1	1		
55		22	..		172464-94112	CENTER BLADE					1	1	1	1		

Fig 56 BOOM CYLINDER SECURITY VALVE

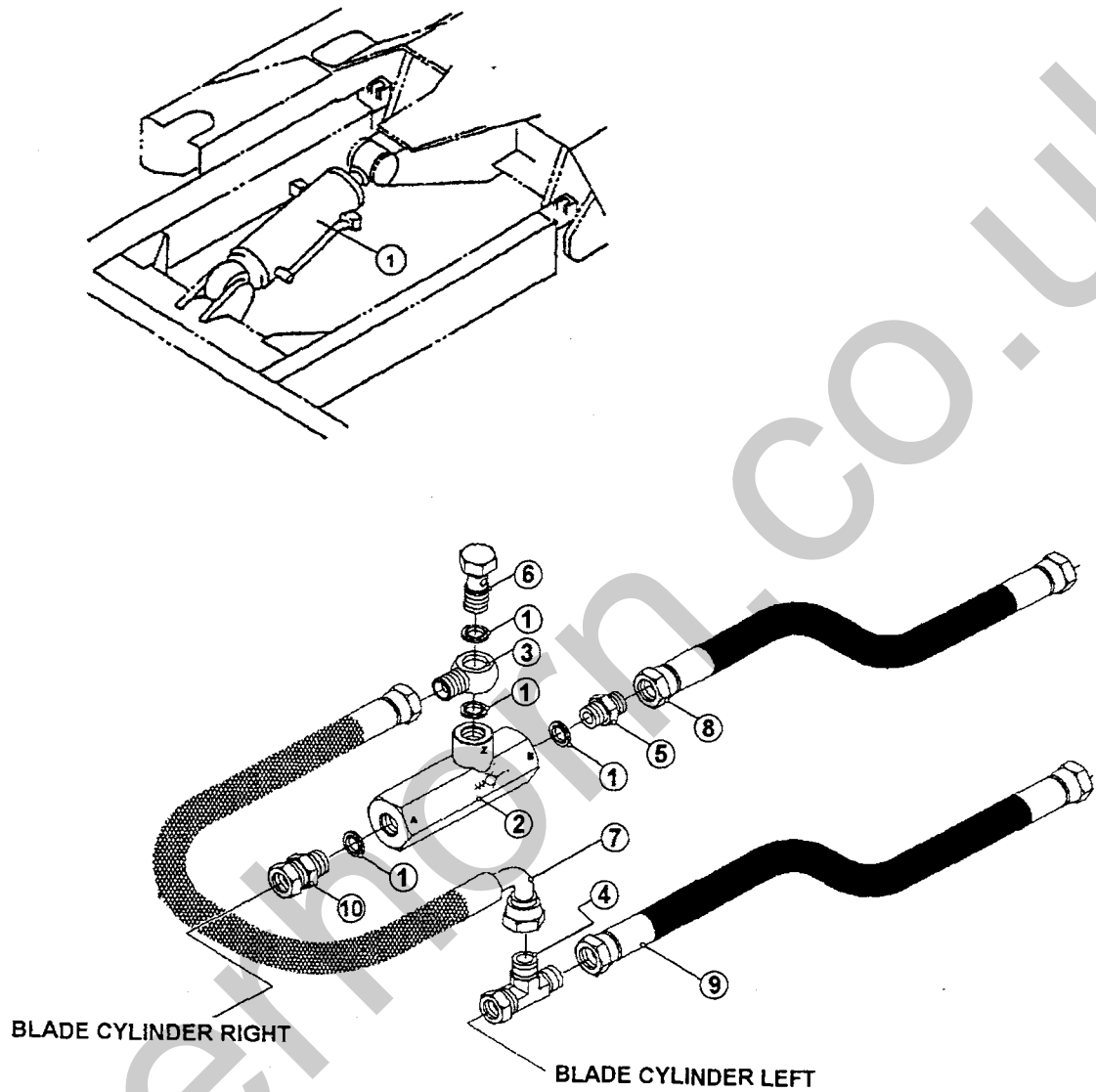


BOOM CYLINDER SECURITY VALVE

A	B15CR-3	C	B17CR-3
B	B15PR-3	D	B17CR-3
E	B15CRE-3	G	B18CRE
F	B15PRE-3	H	B18PRE

[illegible]

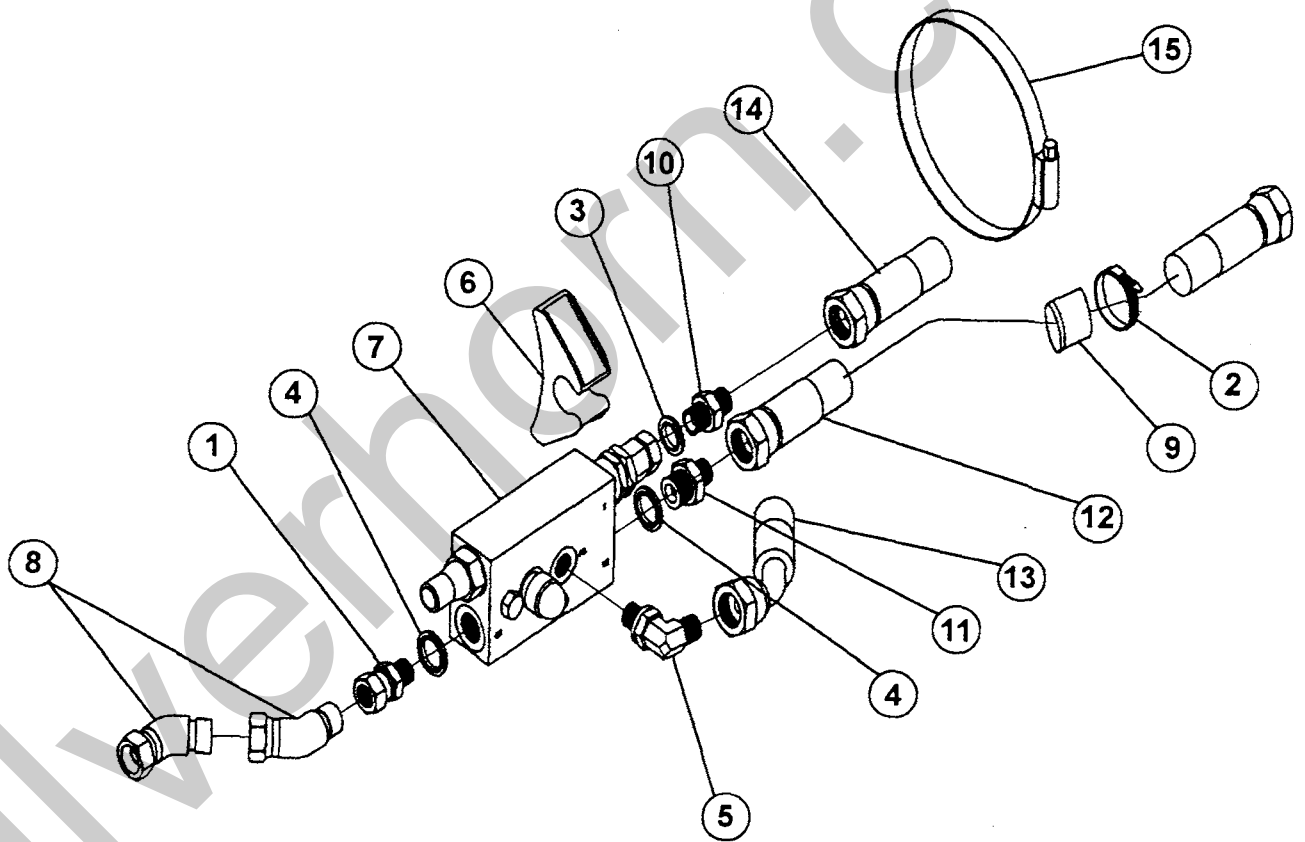
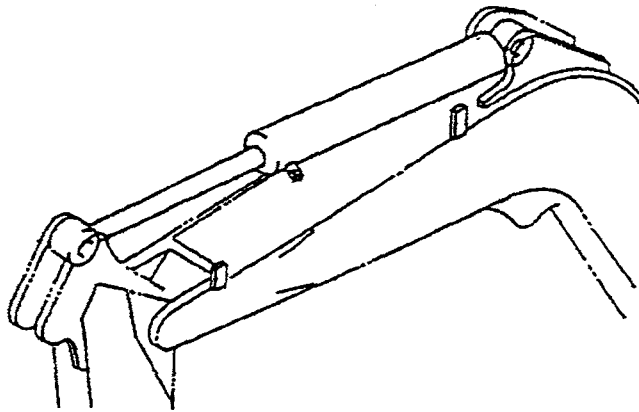
FIG 57 BLADE CYLINDER SECURITY VALVE



C	B15PR-3	D	B17CR-3
E	B15CRE-3	G	B18CRE
F	B15PRE-3	H	B18PRE

[illegible]

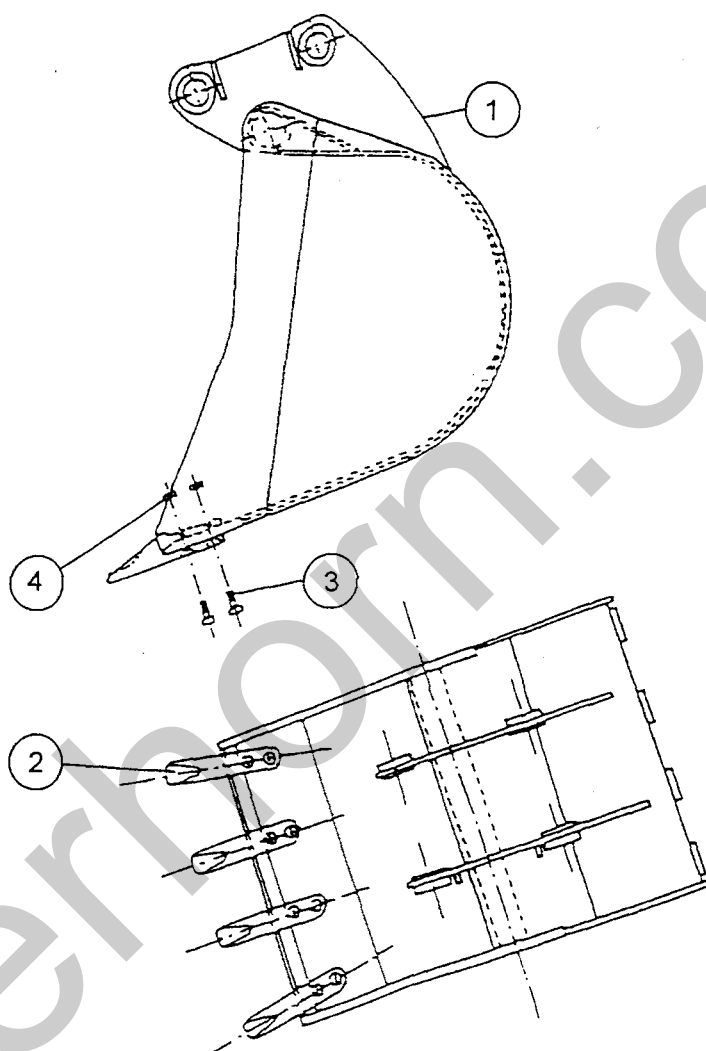
FIG 58 ARM CYLINDER SECURITY VALVE



A	B15	D	B17CR-3
B	B15FA-3	D	B17CR-3
E	B15CRE-3	G	B18CRE
F	B15PRE-3	H	B18PRE

Fig	I	Rep	L	o	PN	Designation	A	B	C	D	E	F	G	H	I	Rq
58		1	.		172AYV-76570	CONNECTOR PF 3/8-1/4	1	1			1	1	1	1		
58		2	.		172AYV-71020	CLAMP	10	10			10	10	10	10		
58		3	.		172AYA-76220	SEAL RING BS 1/4	3	3			3	3	3	3		
58		4	.		172AYV-76410	SEAL RING BS 3/8	2	2			2	2	2	2		
58	I	5a	.		172AYV-76440	BOLT, PIPE JOINT PF1/4	1	1			1	1	1	1		
58	I	5b	.		172AYV-76490	T-JOINT PF1/4	1	1			1	1	1	1		
58		6	.		172AYV-71000	CLAMP	1	1			1	1	1	1		
58		7	.		172AYV-74050	CONTROL VALVE L.G3/8	1	1			1	1	1	1		
58		8	.		172AYV-76450	CONNECTOR 45 PF1/4	2	2			2	2	2	2		
58		9	.		172AYV-78480	COVER	1	1			1	1	1	1		
58		10	.		172194-76620	CONNECTOR 1/4	1	1			1	1	1	1		
58		11	.		172174-76170	CONNECTOR 3/8-1/4	1	1			1	1	1	1		
58		12	.		172AYV-77660	HOSE G104BB065	1	1			1	1	1	1		
58	I	13	.		172AYV-77671	HOSE P203BW290	1	1			1	1	1	1		
58		14	.		172AYV-77680	HOSE P203BC290	1	1			1	1	1	1		
58		15	.		172AYV-71100	CLAMP	1	1			1	1	1	1		

Fig 59 BUCKET



A	B15CR-3	C	B17CR-3
B	B15PR-3	D	B17CR-3
E	B15CRE-3	G	B18CRE
F	B15PRE-3	H	B18PRE

[illegible]

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SECTION I

CONTENTS

(VEHICLE)

MODELS

B15-3

B17-3

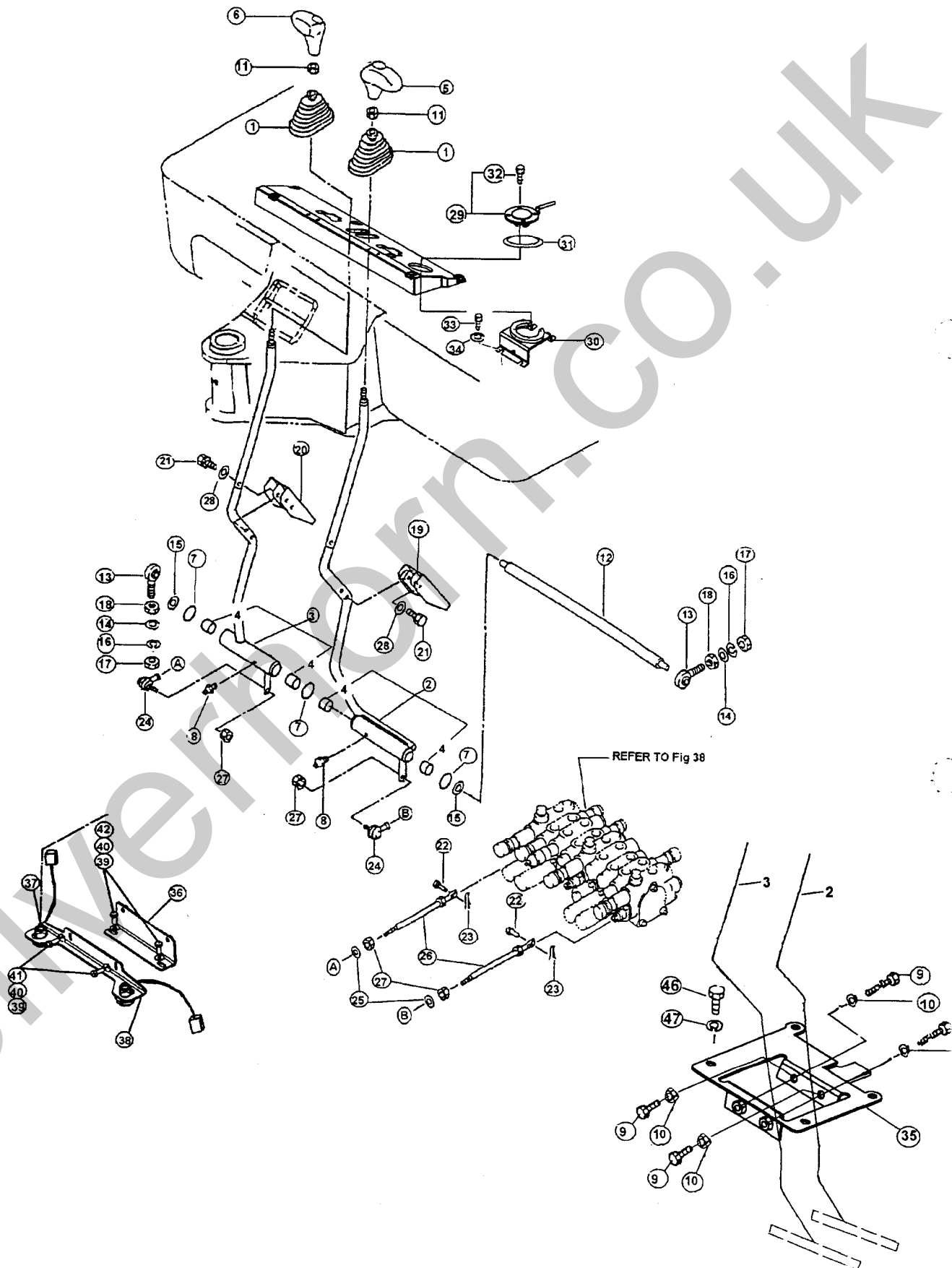
B15-3Ex

B18Ex

P/C No :
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[illegible]

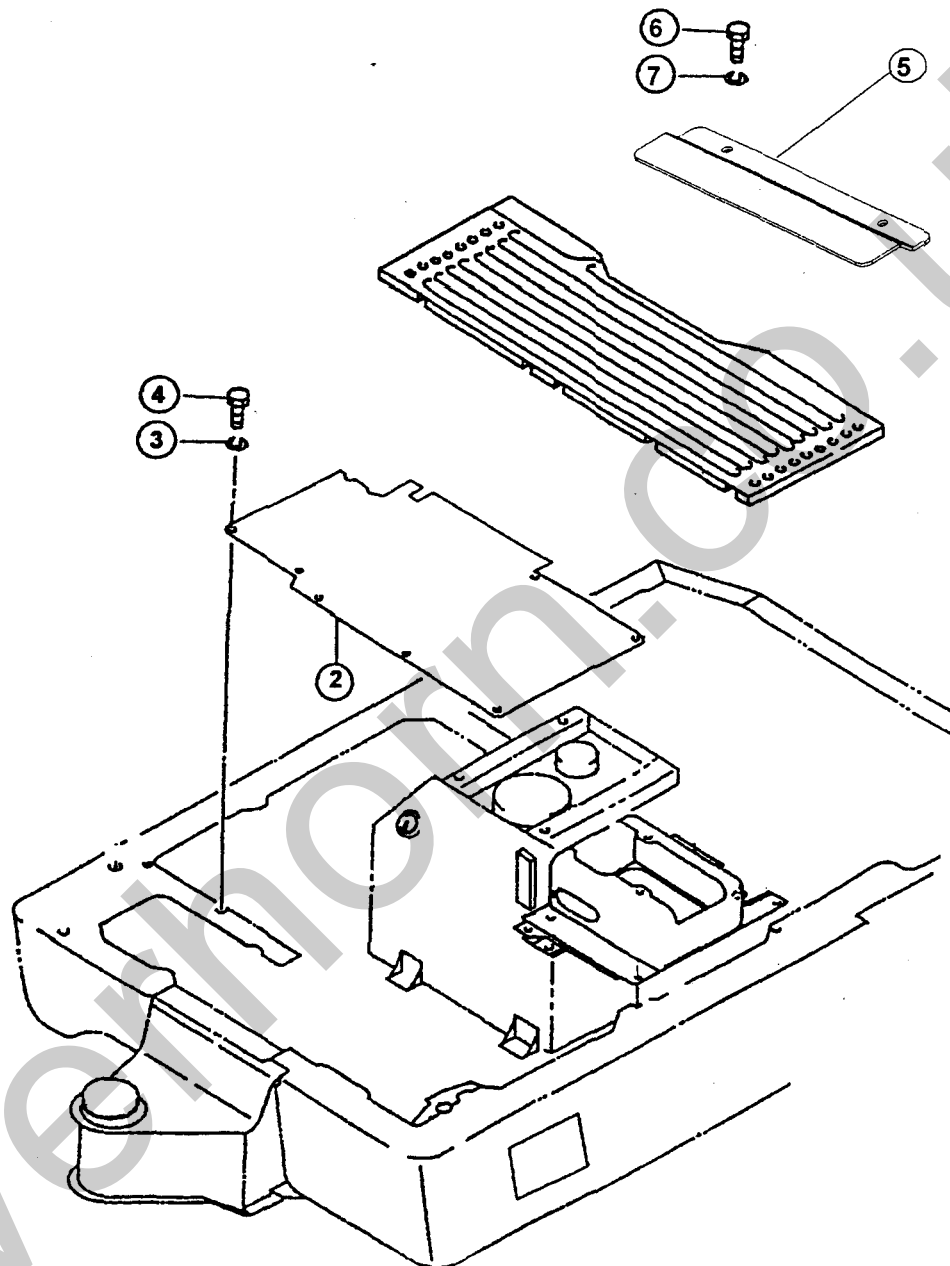
Fig 06_01 CONTROL EQUIPMENT
(DRIVE & SAFETY SWITCH)



A	B15PR-3US	C	
B		D	
E		G	
F		H	

Fig	I	Rep	L	o	PN	Designation	A	B	C	D	E	F	G	H	I	Rq
US-01		1	.		172141-41340	BOOT	2									
US-01		2	.		172451-45120	TRAVEL LEVER US (LEFT)	1									
US-01		3	.		172451-45140	TRAVEL LEVER US (RIGHT)	1									
US-01		4	..		172161-41370	BUSH 2015	4									
US-01		5	.		172164-45951	TRAVEL LEVER GRIP (LEFT)	1									
US-01		6	.		172164-45961	TRAVEL LEVER GRIP (RIGHT)	1									
US-01		7	.		172161-46200	O-RING 27*5.7	3									
US-01		8	.		24761-020000	GREASE NIPPLE 1/8	2									
US-01		9	.		26116-100504	SCREW M10*50 PLATED	4									
US-01		10	.		26716-100002	NUT M10	4									
US-01		11	.		26756-100002	LOCK NUT M10, PLATED	2									
US-01		12	.		172179-45200	TRAVEL SHAFT	1									
US-01		13	.		172122-45720	ROD-END 14	2									
US-01		14	.		221371-40000	WASHER 14, POLISHED	2									
US-01		15	.		221571-40000	WASHER 14	2									
US-01		16	.		222171-40000	SPRING WASHER 14	2									
US-01		17	.		267161-40002	NUT M14	2									
US-01		18	.		267561-40002	LOCK NUT M14, PLATED	2									
US-01		19	.		172174-46100	PEDAL L ASSY	1									
US-01		20	.		172174-46150	PEDAL R ASSY	1									
US-01		21	.		26116-060302	BOLT M6x30	4									
US-01		22	.		172159-42910	PIN 4.75x14	2									
US-01		23	.		172159-42070	PIN SNAP	2									
US-01		24	.		172122-46590	BALL JOINT 8	2									
US-01		25	.		221370-80000	WASHER 8, POLISHED	2									
US-01		26	.		172451-45700	ROD	2									
US-01		27	.		260510-80002	NUT M8	4									
US-01		28	.		22217-060000	SPRING WASHER 6	4									
US-01		29	.		172451-45200	LO-HI SWITCH	1									
US-01		30	.		172451-45920	BRACKET	1									
US-01		31	.		172451-45870	PROTECTOR	1									
US-01		32	.		228574-00140	SCREW M4x18	4									
US-01		33	.		26453-060122	SCREW M6x12	4									
US-01		34	.		22217-060000	SPRING WASHER 6	4									
US-01		35	.		172451-54291	LEVER STOPPERS PLATE	1									
US-01		36	.		172451-17360	PLATE BRACKET ASSY	1									
US-01		37	.		194464-52190	SWITCH SAFETY START	1									
US-01		38	.		267761-80002	NUT Hm M18x15 cl5	2									
US-01		39	.		221171-80000	WASHER 18	2									
US-01		40	.		172451-17350	SWITCH BRACKET	1									
US-01		41	.		222170-60000	SPRING WASHER 6	4									
US-01		42	.		221170-60000	WASHER6	4									
US-01		43	.		264500-60162	BOLT CHC M6x16	4									
US-01		44	.		261161-00162	BOLT M10x16	4									
US-01		45	.		222171-00000	SPRING WASHER 10	4									
US-01		46	.		261161-00162	BOLT M10x16	4									
US-01		47	.		222171-00000	SPRING WASHER 10	4									

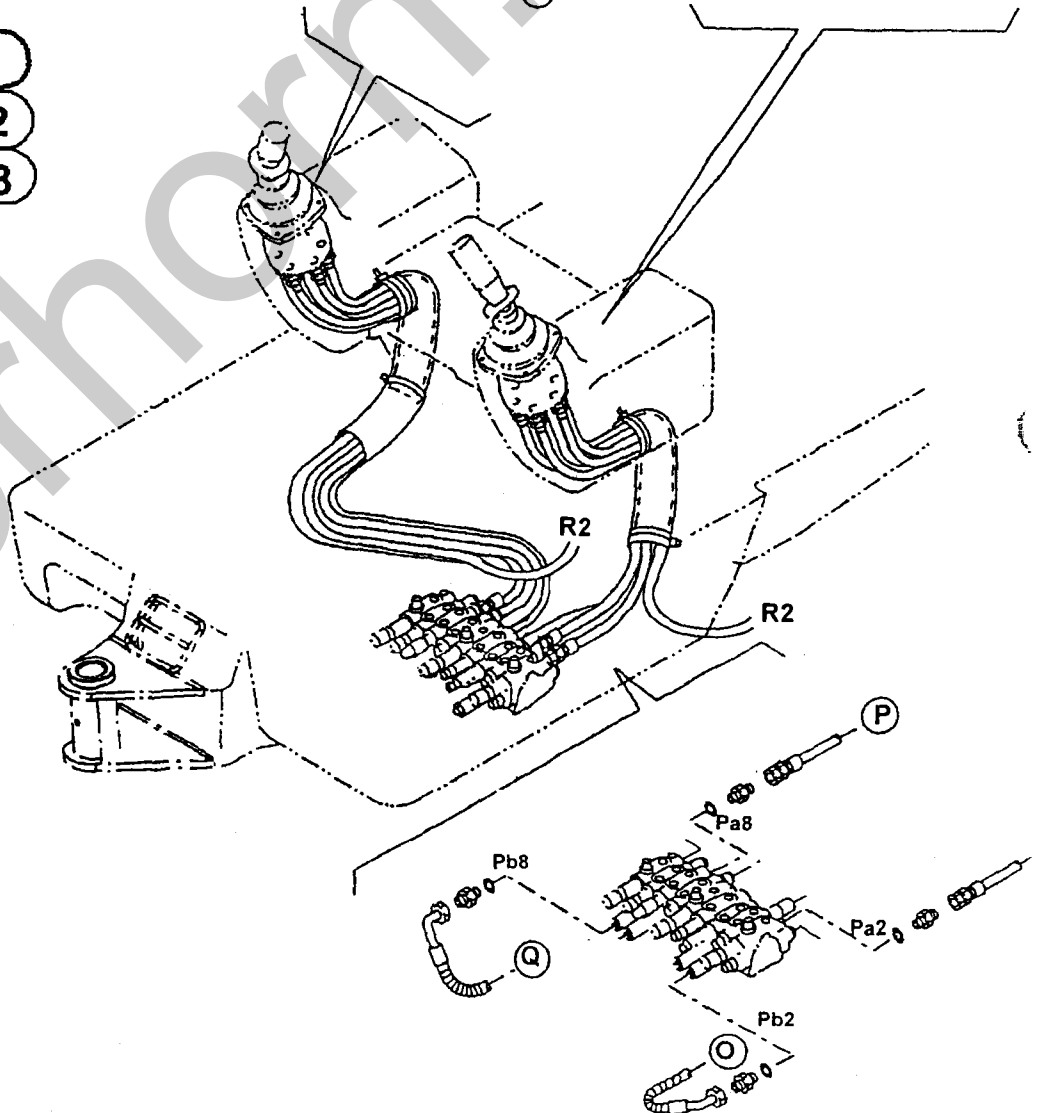
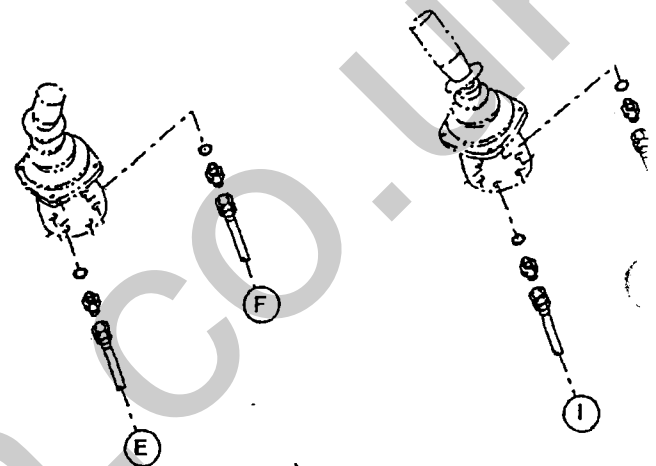
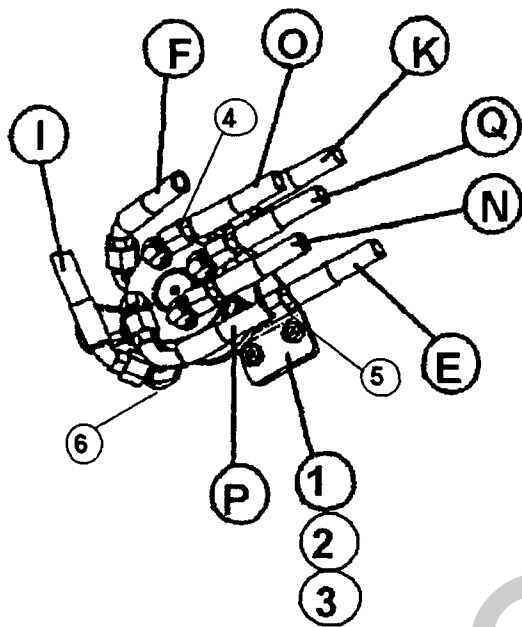
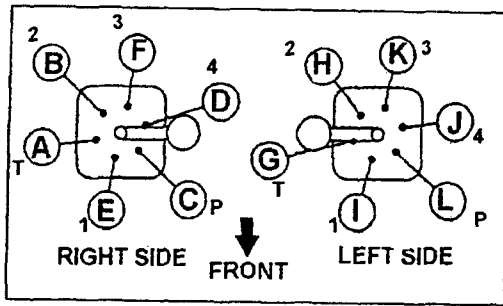
Fig US_02 STEP



A	B15PR-CJS	C	
B		D	
E		G	
F		H	

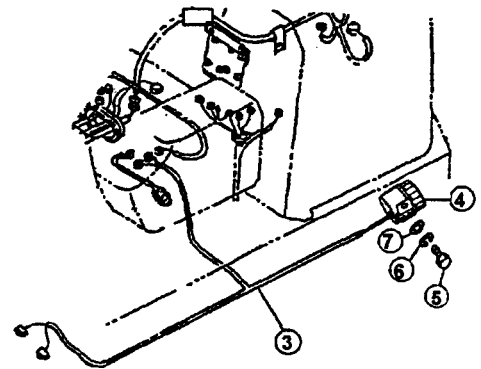
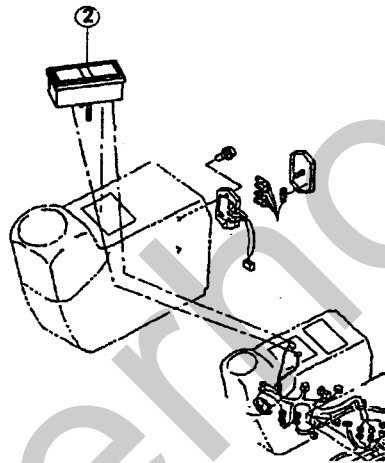
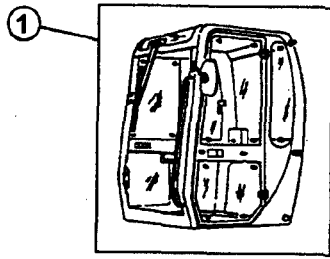
[illegible]

Fig US_03 2 WAY VALVE PIPING



		3US	C
			D
			G
11			H

Fig US_04 WIRING



H	G	
E		

[illegible]

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MODELS
3TNE68-
ENBAC

SECTION II

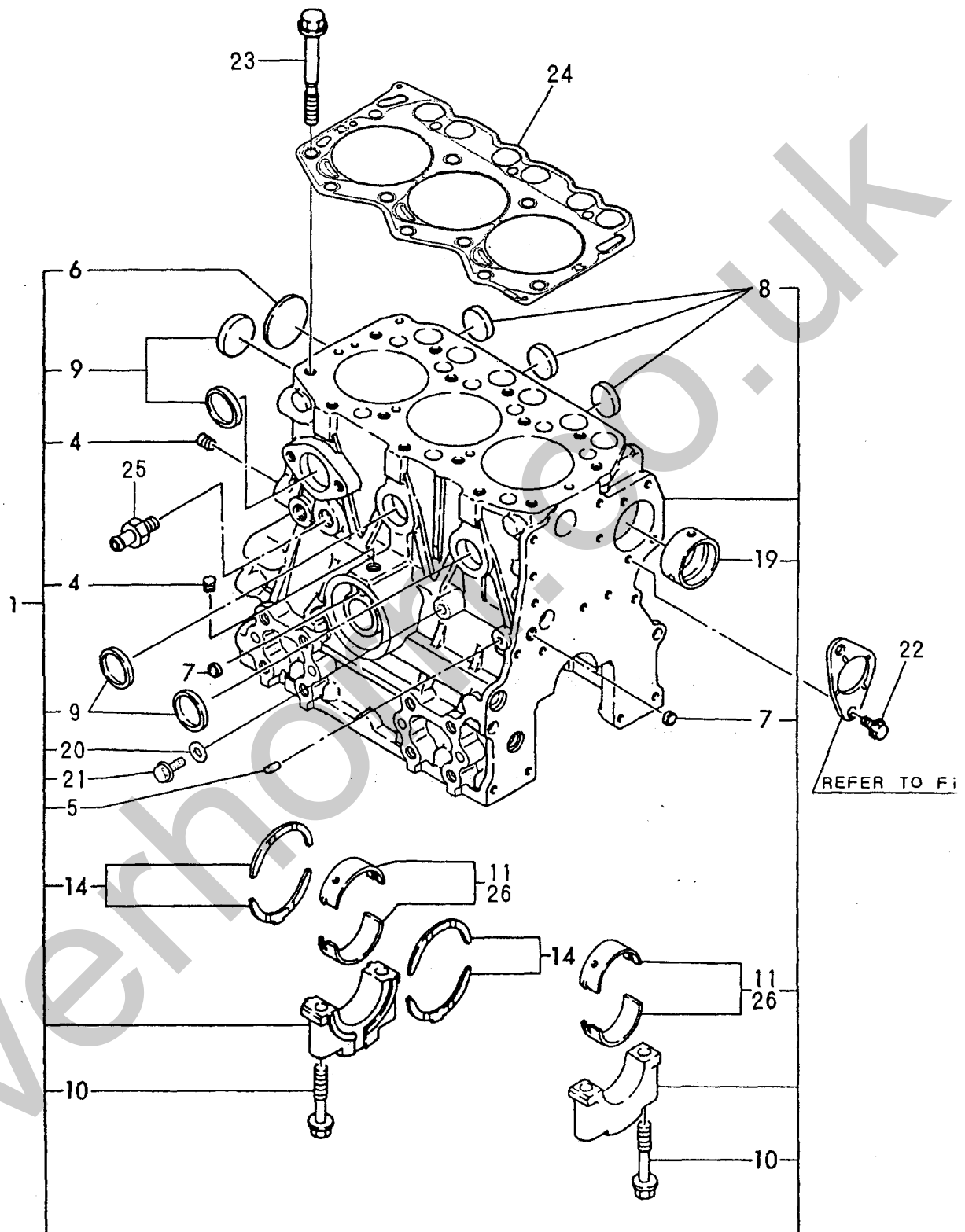
CONTENTS

(ENGINE)

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[illegible]

Fig 1 CYLINDER BLOCK



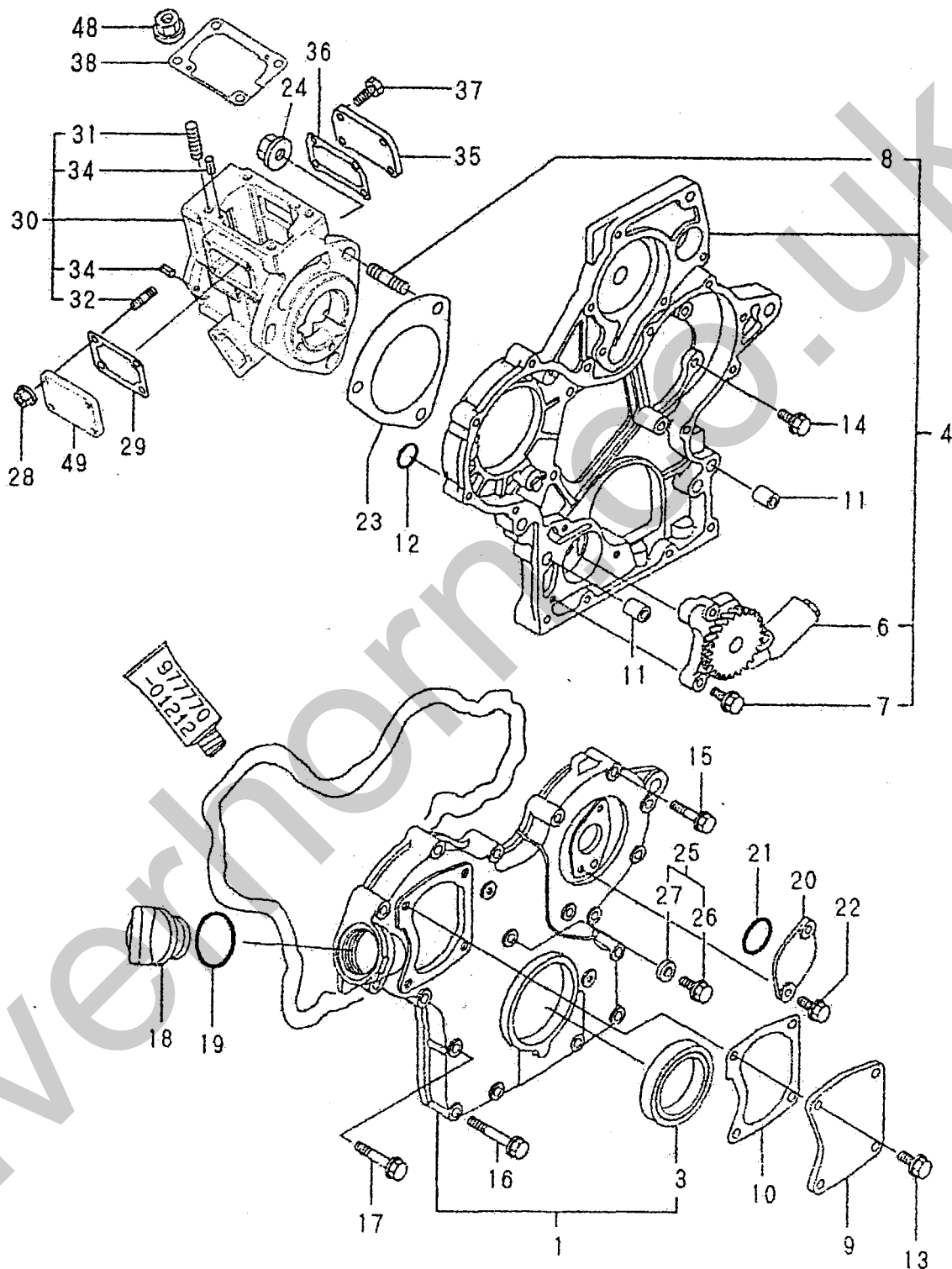
A	3712
B	
E	
F	

[illegible]

(A) UNDER SIZED (U.S. ≈ 0.25) PART

(1) THESE PARTS ARE ALSO SOLD BY Fig15 Ref 1 (GASKET SET #719266-92600)

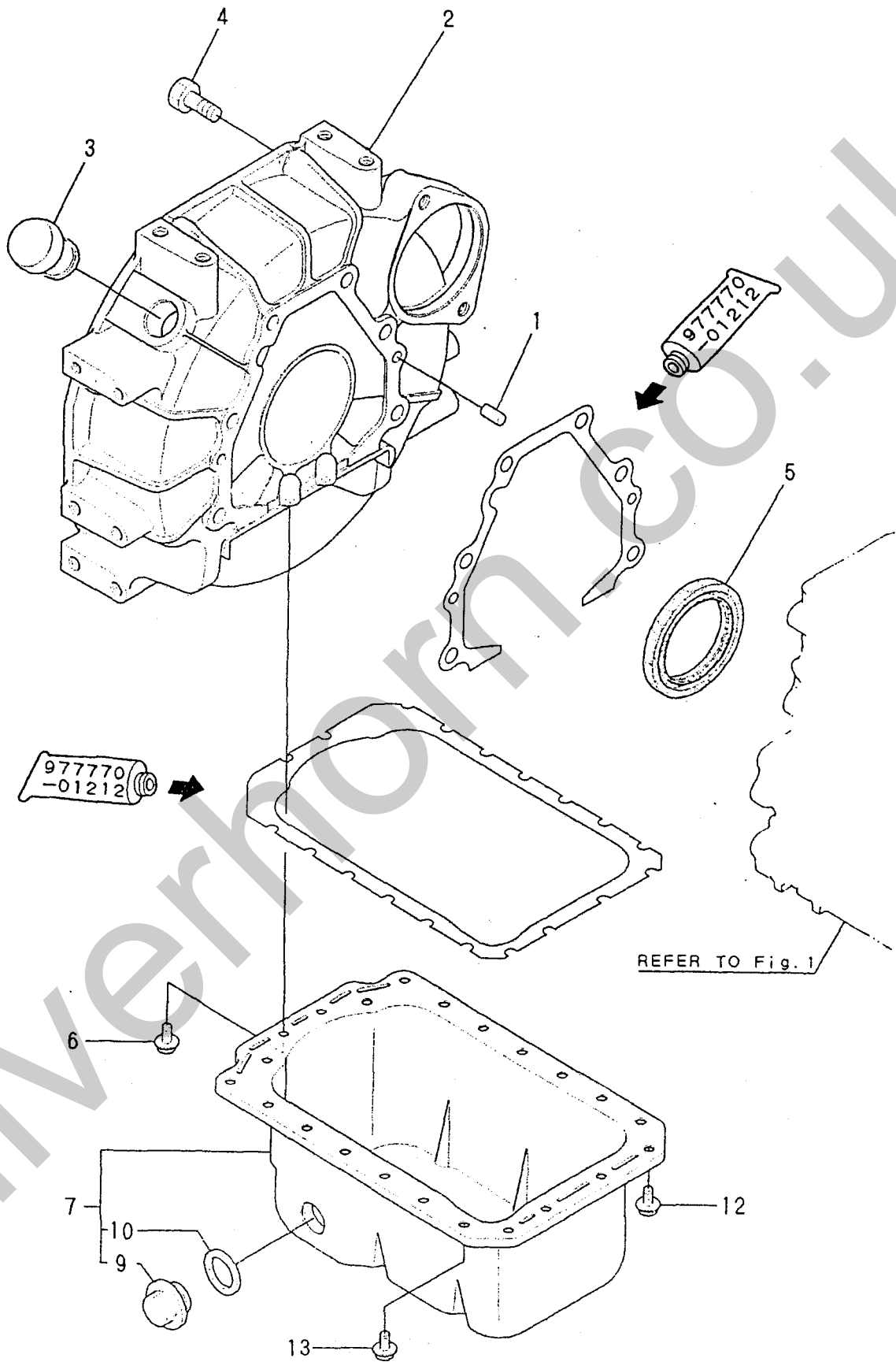
Fig 2 GEAR HOUSING



GEAR HUB

(1) THESE PARTS ARE ALSO SOLD BY Fig15 Ref 1 (GASKET SET #719266-92600)

Fig 3 FLYWHEEL HOUSING & LUB. OIL SUMP

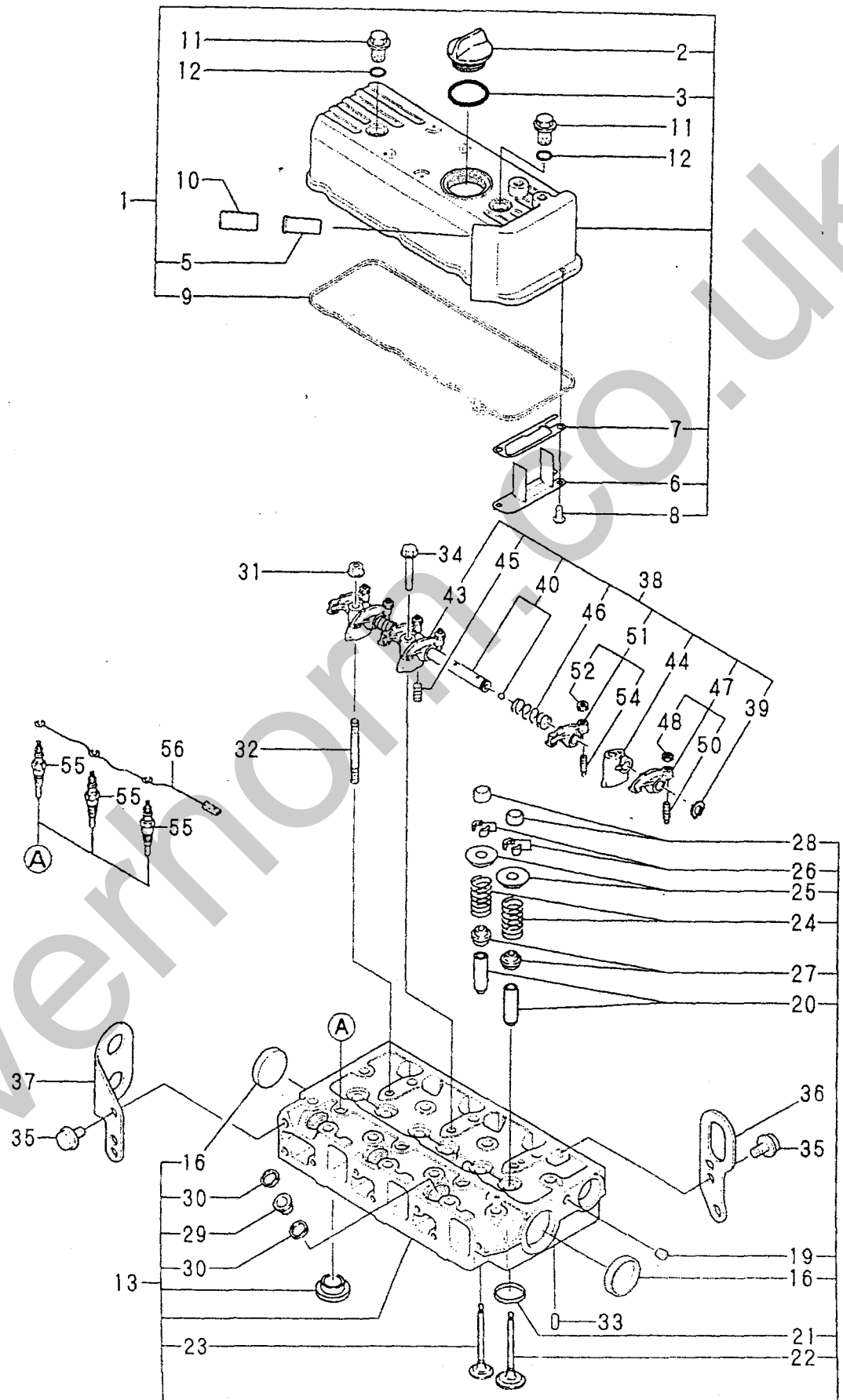


WHEEL HOUSING & LUB. CAP. 11P

B	
E	
F	

[illegible]

Fig 4 CYLINDER HEAD & BONNET



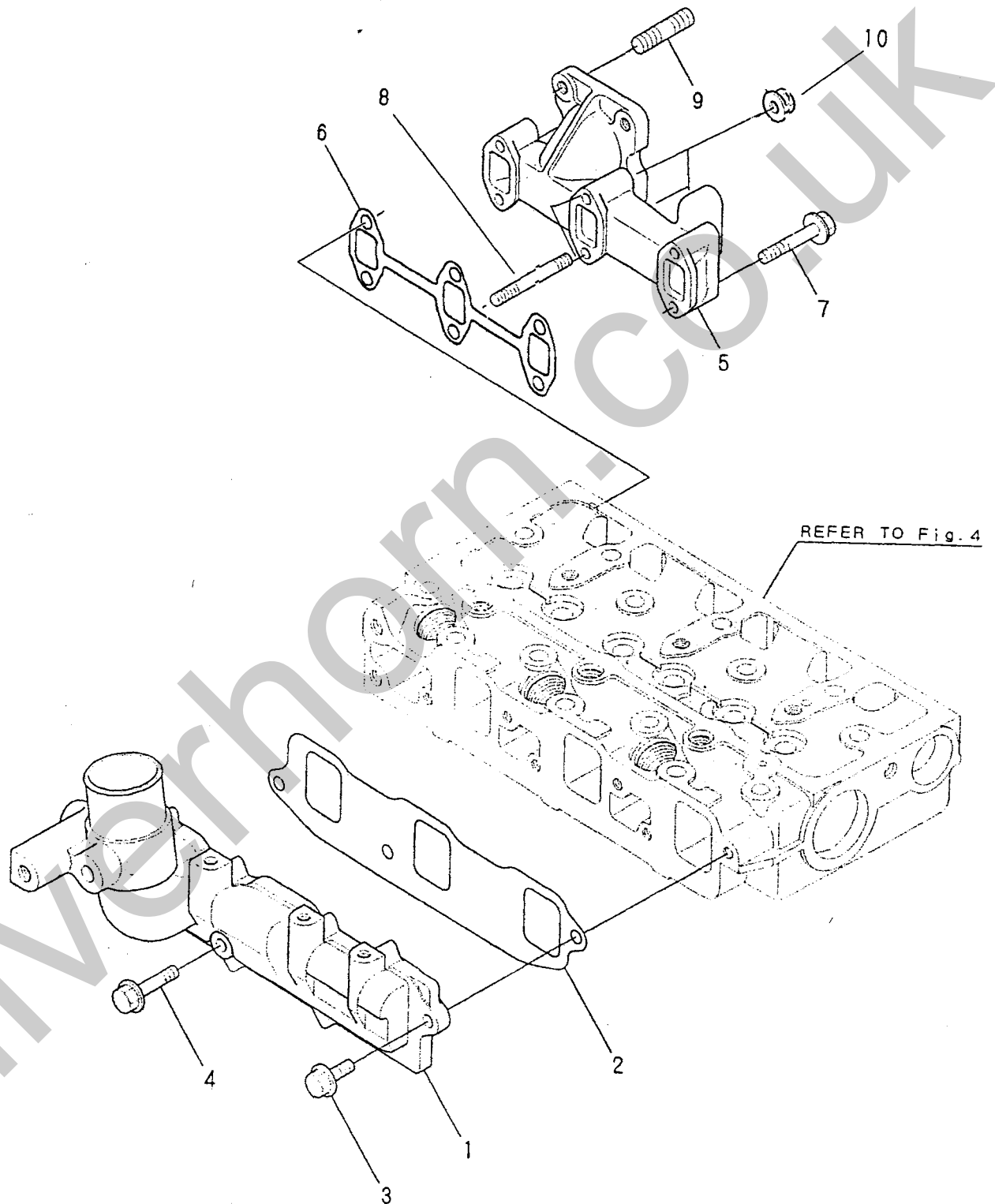
CYLINDER HEAD & BONNET

STRESS-ENGINE
E
F

Fig	I	Rep	L	o	PN	Designation	A	B	C	D	E	F	G	H	I	Rq
4		1	.		119266-11521	BONNET ASSY, HEAD	1									
4		2	..		124160-01751	CAP, LUB. OIL SUPPLY	1									
4		3	..		24311-000320	O-RING 1A P-32.0	1									(1)
4		5	..		118400-03060	JOINT BREATHER	1									
4		6	..		119266-03200	PLATE, SHELTER	1									
4		7	..		119266-03210	GASKET, (NON-ASB.)	1									(1)
4		8	..		22857-500100	SCREW M5x10 TAPPING	2									
4		9	..		119266-11310	GASKET, BONNET	1									(1)
4		10	.		23065-120700	PIPE 12x700	1									
4		11	.		124160-11360	KNOB	2									
4		12	.		24311-000120	O-RING 1A P 12.0	2									(1)
4		13	.		119266-11710	HEAD ASSY, CYLINDER	1									
4		16	...		27241-350000	PLUG 35	2									
4		19	...		23871-005006	PLUG PT 1/16	1									
4		20	.		119260-11800	GUIDE, VALVE	6									
4		21	...		119620-11080	SEAT SUCTION VALVE	3									
4		22	..		119266-11100	VALVE, SUCTION	3									
4		23	..		119260-11110	VALVE, EXHAUST	3									
4		24	..		114250-11120	SPRING, VALVE	6									
4		25	..		114250-11180	RETAINER, SPRING	6									
4		26	..		27310-055001	COTTER	6									
4		27	..		119260-11340	SEAL, VALVE STEM	6									(1)
4		28	..		119260-11370	CAP, VALVE	6									
4		29	..		119600-11450	PROTECTOR, NOZZLE	3									
4		30	..		119600-11460	GASKET, NOZZLE	6									(1)
4		31	.		26306-080002	NUT M8	2									
4		32	.		119620-11350	STUD	2									
4		33	.		22351-060012	SPRING PIN 6x12	2									
4		34	.		26106-080452	BOLT M8x45 PLATED	1									
4		35	.		26106-080122	BOLT M8x12 PLATED	4									
4		36	.		119260-07900	LIFTER, ENGINE	1									
4		37	.		119254-07900	LIFTER, ENGINE	1									
4		38	.		119260-11200	SUPPORT ASSY, ARM	1									
4		39	..		22242-000100	CIRCLIP 10	2									
4		40	..		119260-11240	SHAFT ASSY, ARM	1									
4		43	..		119260-11260	SUPPORT, ROCKER ARM	1									
4		44	..		119265-11260	SUPPORT, ROCKER ARM	2									
4		45	..		119260-11270	SCREW	1									
4		46	..		119260-11280	SPRING	2									
4		47	..		719260-11650	ARM ASSY, ROCKER	3									
4		48	...		26756-060002	LOCK NUT M6 PLATED	3									
4		50	...		105010-11230	SCREW, VALVE	3									
4		51	..		719260-11660	ARM ASSY, ROCKER	3									
4		52	...		26756-060002	LOCK NUT M6 PLATED	3									
4		54	...		105010-11230	SCREW, VALVE	3									
4		55	.		129155-77801	PLUG, GLOW	3									
4		56	.		119620-77820	CONNECTEUR. GLOW PLUG	1									

(1) THESE PARTS ARE ALSO SOLD BY Fig15 Ref 1 (GASKET SET #719266-92600)

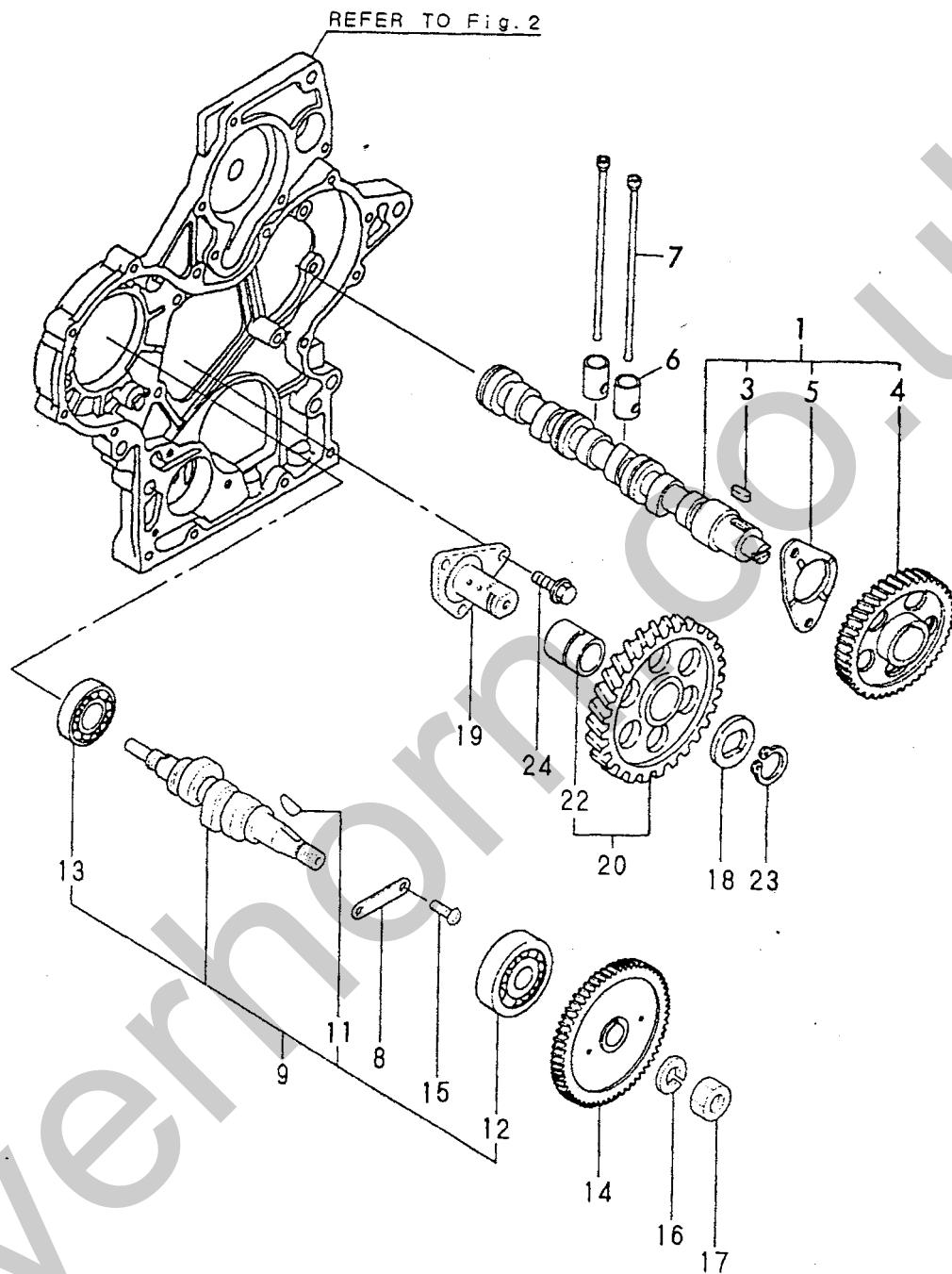
Fig 5 SUCTION & EXHAUST MANIFOLD



A	BAC
B	
E	
F	

(1) THESE PARTS ARE ALSO SOLD BY Fig15 Ref 1 (GASKET SET #719266-92600)

Fig 6 CAMSHAFT & DRIVING GEAR



T & DRIVING GEAR

A	3TNE68-ENBAC
B	
E	
F	

[illegible]

Fig 7 CRANKSHAFT & PISTON

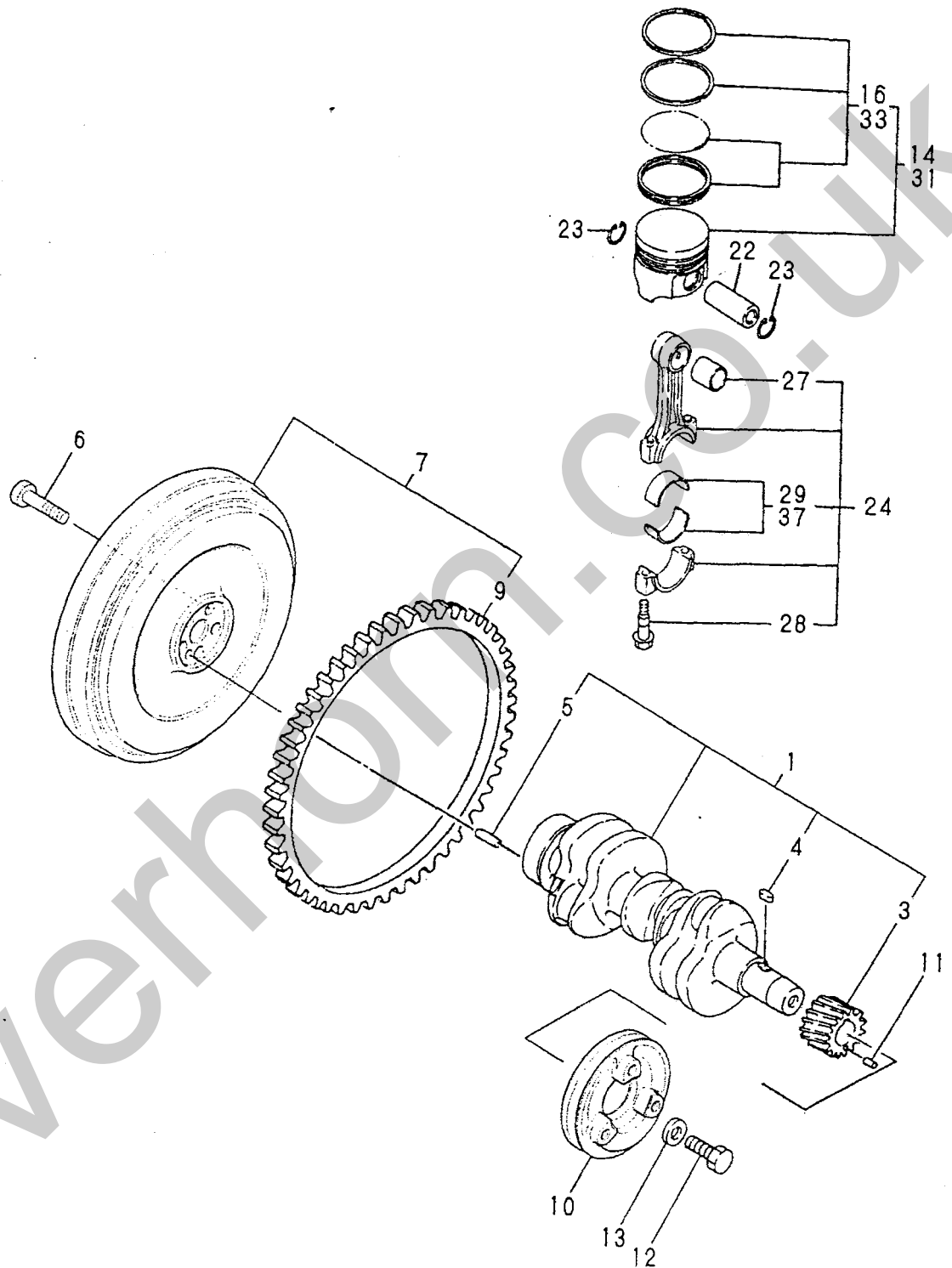


Fig 7

CRANKSHAFT & PISTON

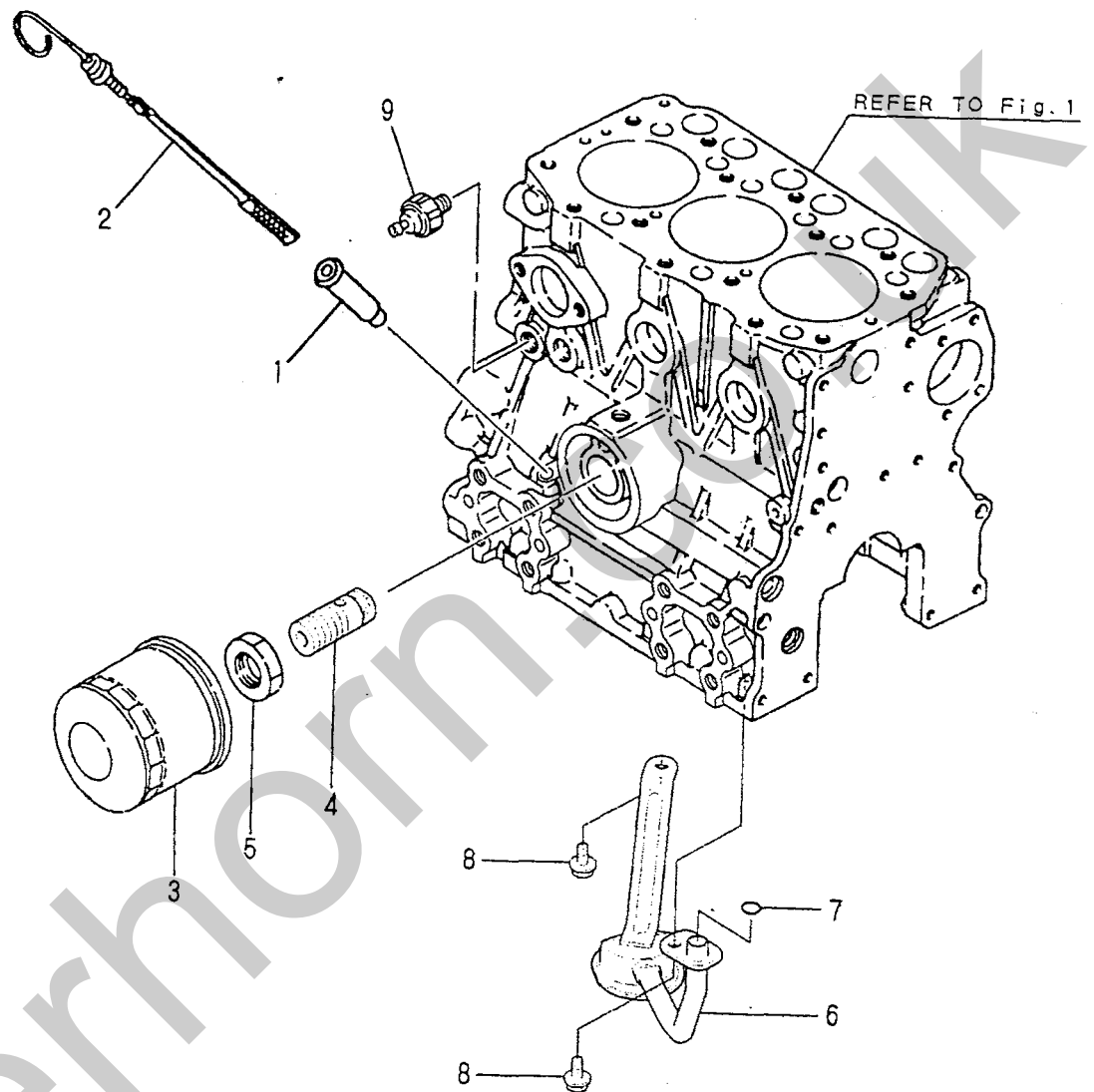
A	STWES8-ENBAC
B	
E	
F	

Fig	I	Rep	L	o	PN	Designation	A	B	C	D	E	F	G	H	I
7		1	.		119266-21700	CRANKSHAFT ASSY	1								
7		3	..		119266-21200	GEAR, CRANKSHAFT	1								
7		4	..		22512-040120	KEY 4x12	1								
7		5	..		129100-01580	PARALLEL PIN 8x16	1								
7		6	.		119620-21500	BOLT, FLYWHEEL	5								
7		7	.		119266-21570	FLYWHEEL ASSY	1								
7		9	..		124950-21600	GEAR, RING	1								
7		10	.		119266-21651	V-PULLEY	1								
7		11	.		22351-030012	SPRING PIN 3x12	1								
7		12	.		119621-21680	BOLT M12x1.25, FLANGE	1								
7		13	.		119620-21941	WASHER	1								
7		14	.		119265-22080	PISTON W/ RINGS	3								
7		16	..		119265-22500	RING SET	3								
7		22	.		119265-22300	PIN, PISTON	3								
7		23	.		22252-000200	CIRCLIP 20	6								
7		24	.		119265-23100	ROD ASSY, CONNECTING	3								
7		27	.		119260-23910	BUSH, PISTON PIN	3								
7		28	..		119265-23200	BOLT, ROD	6								
7		29	..		719260-23600	BEARING, CRANKPIN	3								
7		31	.		119265-22940	PISTON ASSY O.S.=+0.25	3								(1)
7		33	..		119265-22950	RING SET O.S.=+0.25	3								(1)
7		37	.		719260-23610	BEARING, PIN U.S.= -0.25	3								(2)

(1) OVER SIZED (O.S. = 0.25) PART

(2) UNDER SIZED (U.S. = 0.25) PART

Fig 8 LUB.OIL SYSTEME

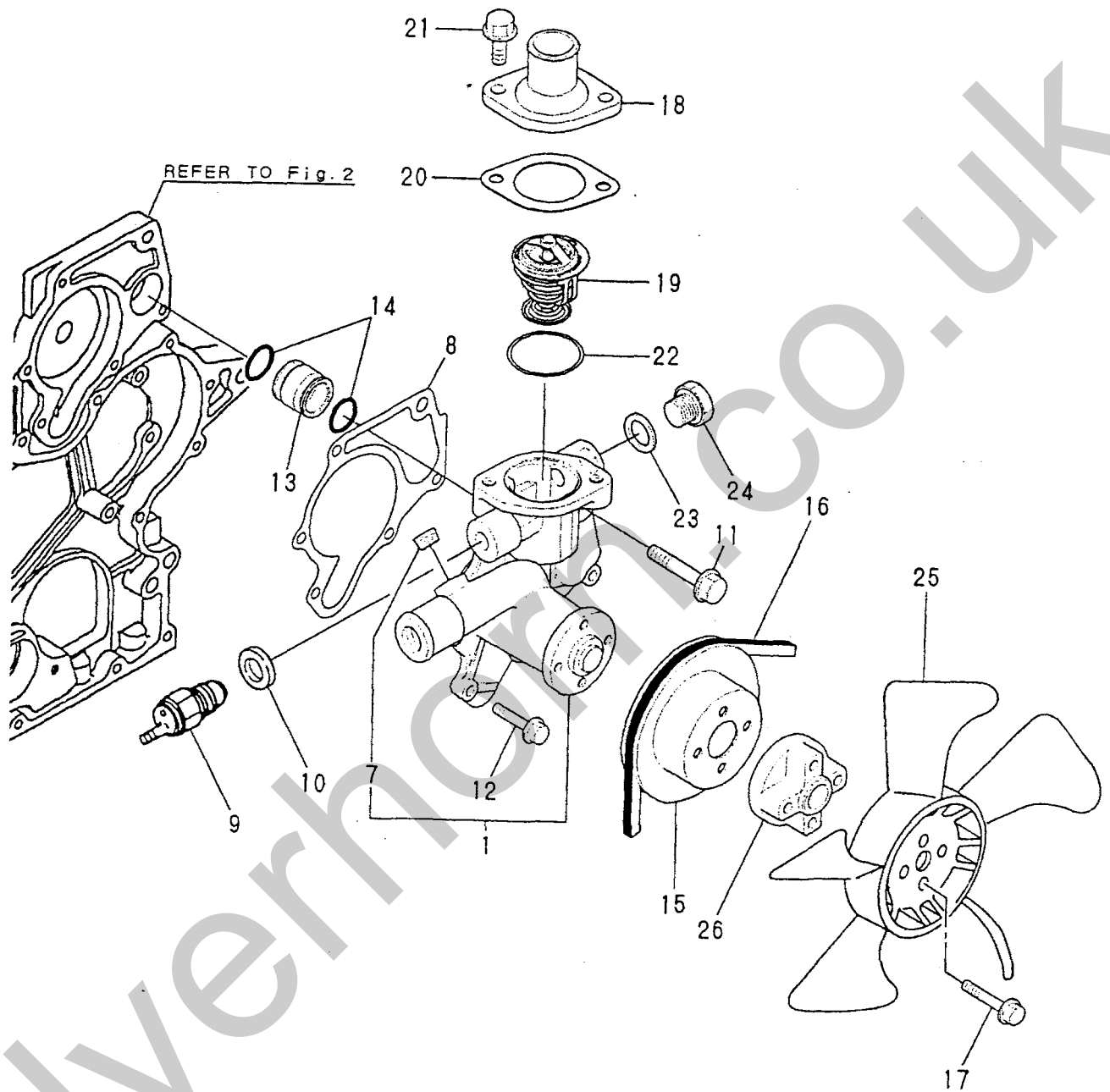


LEM

A	3TNE68-ENBAC
B	
E	
F	

[illegible]

Fig 9 COOLING WATER SYSTEME



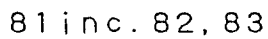
A	3TNE68-EN:DAC
B	
E	
F	

[illegible]

(1) THESE PARTS ARE ALSO SOLD BY Fig15 Ref 1 (GASKET SET #719266-92600)

This diagram shows an exploded view of a mechanical assembly. The central component is a rectangular block (1) with four circular ports on its top surface. Various parts are shown in their relative positions as they would be assembled onto this central block. The parts are numbered as follows:

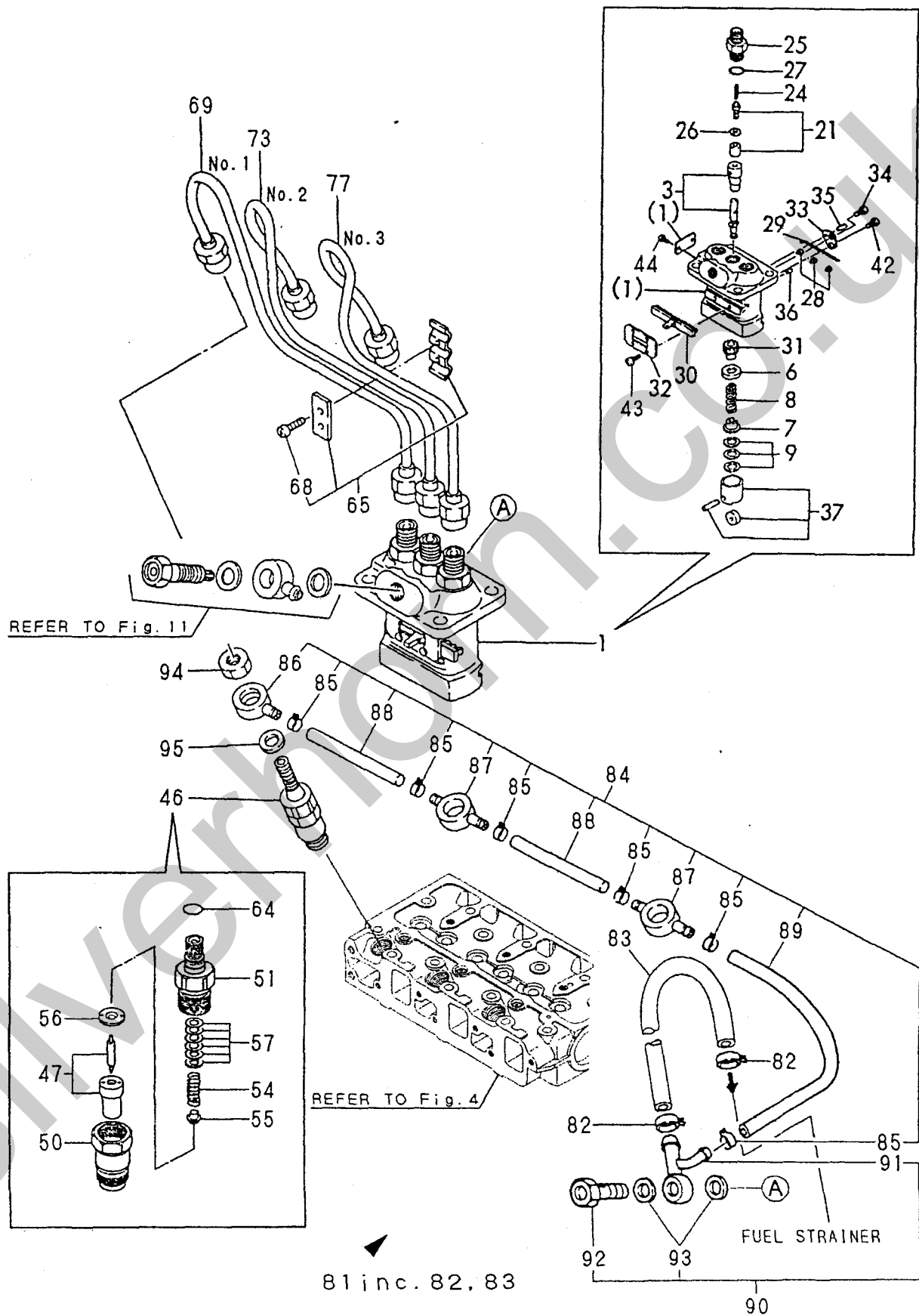
- 1: Main rectangular block
- 2: Small circular pin
- 3: Small rectangular plate
- 4: Small circular pin
- 5: Small rectangular plate
- 6: Small circular pin
- 7: Small rectangular plate
- 8: Small circular pin
- 9: Small rectangular plate
- 10: Small circular pin
- 11: Small rectangular plate
- 12: Small circular pin
- 13: Small rectangular plate
- 14: Small circular pin
- 15: Small rectangular plate
- 16: Small circular pin
- 17: Small rectangular plate
- 18: Small circular pin
- 19: Small rectangular plate
- 20: Small circular pin
- 21: Small rectangular plate
- 22: Small circular pin
- 23: Small rectangular plate
- 24: Small circular pin
- 25: Small rectangular plate
- 26: Small circular pin
- 27: Small rectangular plate
- 28: Small circular pin
- 29: Small rectangular plate
- 30: Small circular pin
- 31: Small rectangular plate
- 32: Small circular pin
- 33: Small rectangular plate
- 34: Small circular pin
- 35: Small rectangular plate
- 36: Small circular pin
- 37: Small rectangular plate
- 38: Small circular pin
- 39: Small rectangular plate
- 40: Small circular pin
- 41: Small rectangular plate
- 42: Small circular pin
- 43: Small rectangular plate
- 44: Small circular pin



	40
F	

[illegible]

Fig 10 FUEL INJECTION DEVICE



INJECTION DEVICE

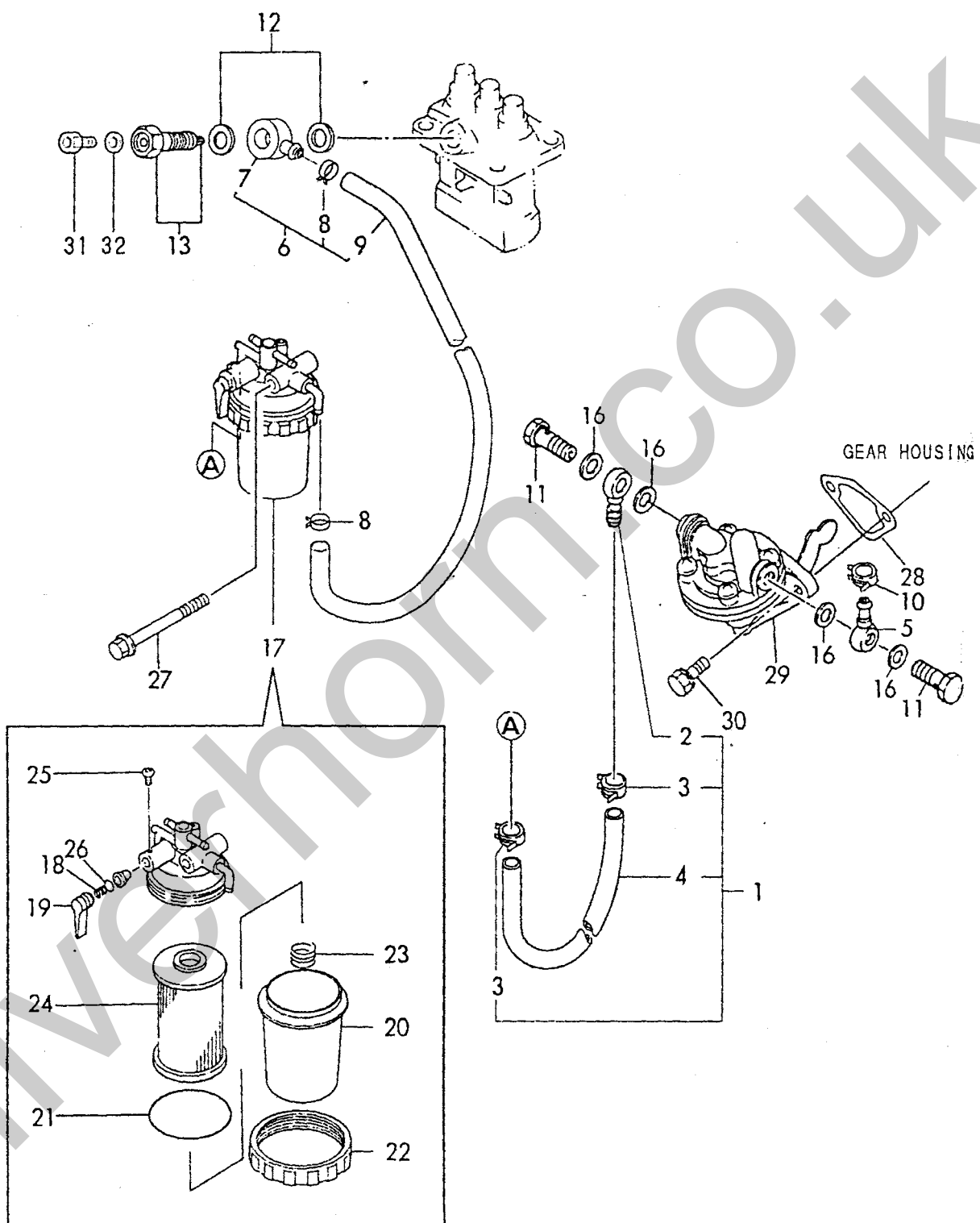
S	
E	
F	

[illegible]

(1) THESE PARTS ARE ALSO SOLD BY Fig15 Ref 1 (GASKET SET #719266-92600)

This technical diagram illustrates the exploded view of a mechanical assembly, likely a pump or valve system. The components are numbered as follows:

- Top Section:** Includes a rectangular block (12), a bolt (31), a washer (32), a nut (13), and various O-rings and seals (7, 8, 9).
- Central Section:** Features a main cylindrical component (17) with a bolt (27) and a U-shaped pipe (8).
- Right Section:** Shows a **GEAR HOUSING** assembly with various bolts (11, 16, 28, 29, 30), washers (10, 16), and a gear (5).
- Bottom Section (Inset):** A detailed view of the internal components, including a valve assembly (18, 19, 25, 26), a cylindrical filter or separator (24), a cap (20), a gasket (21), and a flange (22).
- Bottom Right Section:** Shows a U-shaped pipe (4) with a bolt (3) and a cap (2).



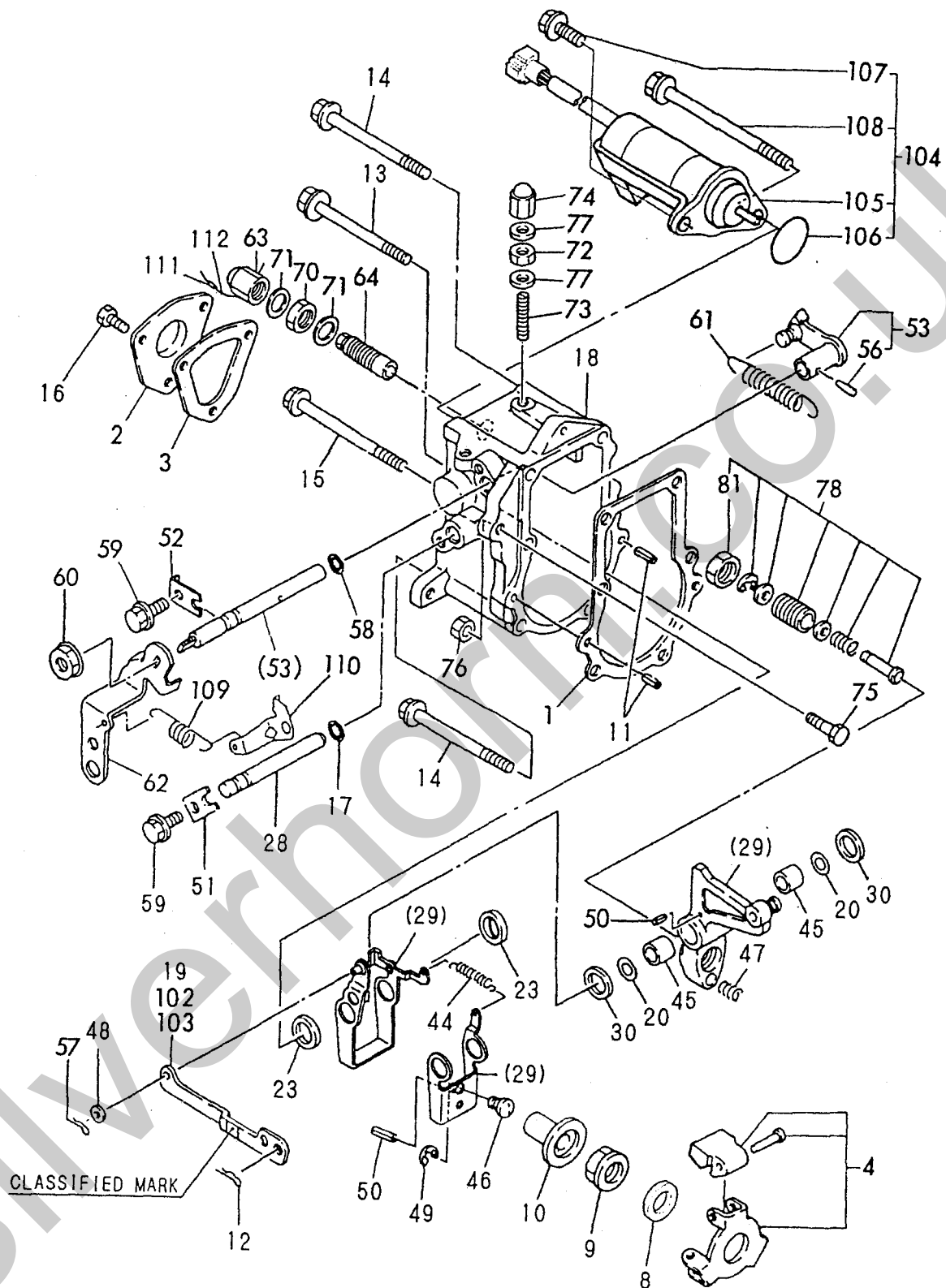
FOUR PIPE

A	3TNE68-ENG
B	
E	
F	

[illegible]

(1) THESE PARTS ARE ALSO SOLD BY Fig15 Ref 1 (GASKET SET #719266-92600)

Fig 12 GOVERNOR



29 inc. 30 ~ 50

Fig 12

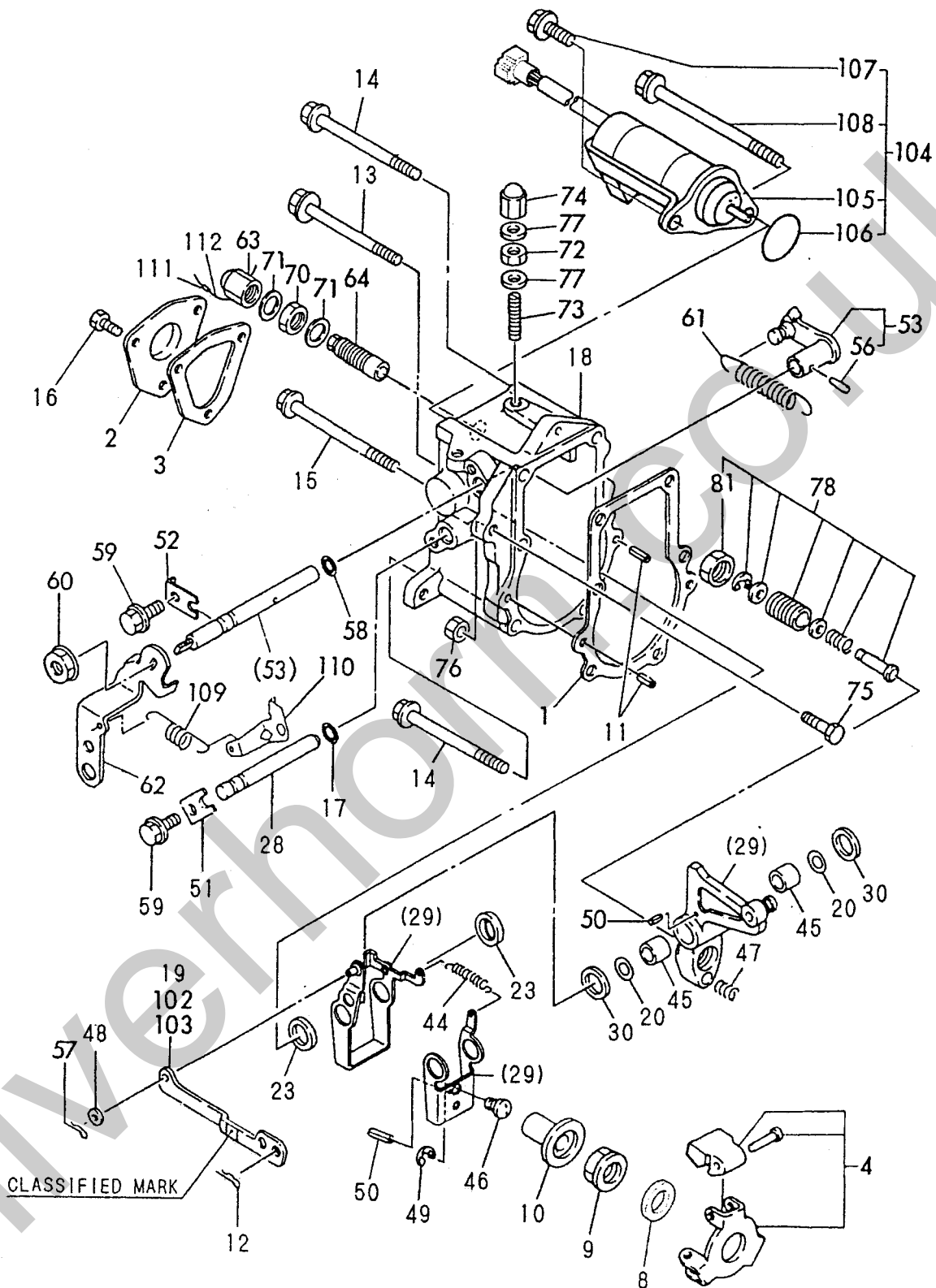
GOVERNOR

A	3TNE88-ENBAC
B	
E	
F	

Fig	I	Rep	L	o	PN	Designation	A	B	C	D	E	F	G	H	I	Rq
12		1	.		119660-61052	GASKET, (NON-ASB.)	1									
12		2	.		119660-61060	COVER, GOVERNOR CASE	1									
12		3	.		119660-61071	GASKET, (NON-ASB.)	1									
12		4	.		119600-61400	WEIGHT ASSY, GOV.	1									
12		8	.		119266-61230	SPACER	1									
12		9	.		119660-61300	NUT, GOVERNOR WEIGHT	1									
12		10	.		119660-61341	SLEEVE, GOVERNOR	1									
12		11	.		22351-040010	SPRING PIN 4x10	2									
12		12	.		22360-060000	SNAP PIN 6	1									
12		13	.		26106-060702	BOLT M6x70 PLATED	2									
12		14	.		26106-060702	BOLT M6x70 PLATED	2									
12		15	.		26106-060702	BOLT M6x70 PLATED	1									
12		16	.		26116-050102	BOLT M5x10 PLATED	3									
12		17	.		129155-51280	O-RING S6	1									
12		18	.		119285-61012	CASE, GOVERNOR	1									
12		19	.		119660-61121	LINK L=88.8 (NO COLOR)	1									(1)
12		20	.		119660-61460	SHIM SET	1									
12		23	.		129155-61480	SPACER ASSY	2									
12		28	.		119660-61590	SHAFT, GOVERNOR LEVER	1									
12		29	.		119232-61510	LEVER ASSY, GOVERNOR	1									
12		30	..		174307-51700	SHIM SET	2									
12		44	..		119232-61540	SPRING, LEVER	1									
12		45	..		114770-61520	NEEDLE BEARING	2									
12		46	..		119600-61541	SHIFTER, P.T.O.	1									
12		47	..		119660-61651	SPRING, STARTING	1									
12		48	..		22117-040000	WASHER 4	1									
12		49	..		22272-000040	CIRCLIP E-4	1									
12		50	..		22351-030014	SPRING PIN 3x14	1									
12		51	.		119600-61900	RETAINER, SHAFT	1									
12		52	.		119660-61901	RETAINER, SHAFT	1									
12		53	.		119285-66080	SHAFT ASSY, REGULATOR	1									
12		56	..		22322-030160	TAPER PIN 3x16	1									
12		57	.		22360-040000	SNAP PIN 4	1									
12		58	.		24341-000070	O-RING 1A S-7.0	1									
12		59	.		26106-060102	BOLT M6x10 PLATED	2									
12		60	.		194990-22050	NUT W/ WASHER 8	1									
12		61	.		119256-66010	SPRING, REGULATOR	1									
12		62	.		119621-66051	LEVER, REGULATOR	1									
12		63	.		129100-61930	CAP NUT	1									
12		64	.		119640-66510	CONTROLLER ASSY	1									
12		70	.		26776-120002	LOCK NUT M12 PLATED	1									
12		71	.		22190-120002	SEAL WASHER 12	2									
12		72	.		124550-66370	LOCK NUT M6	1									
12		73	.		121575-66830	SCREW, ADJUST	1									
12		74	.		119600-66840	NUT, CAP	1									
12		75	..		26116-060304	BOLT M6x30 PLATED	1									
12		76	..		26756-060002	LOCK NUT M6 PLATED	1									

(1) CERTAIN THE CLASSIFICATION MARK, THEN PLACE YOUR ORDER (REFER TO ILLUSTRATION)

Fig 12 GOVERNOR

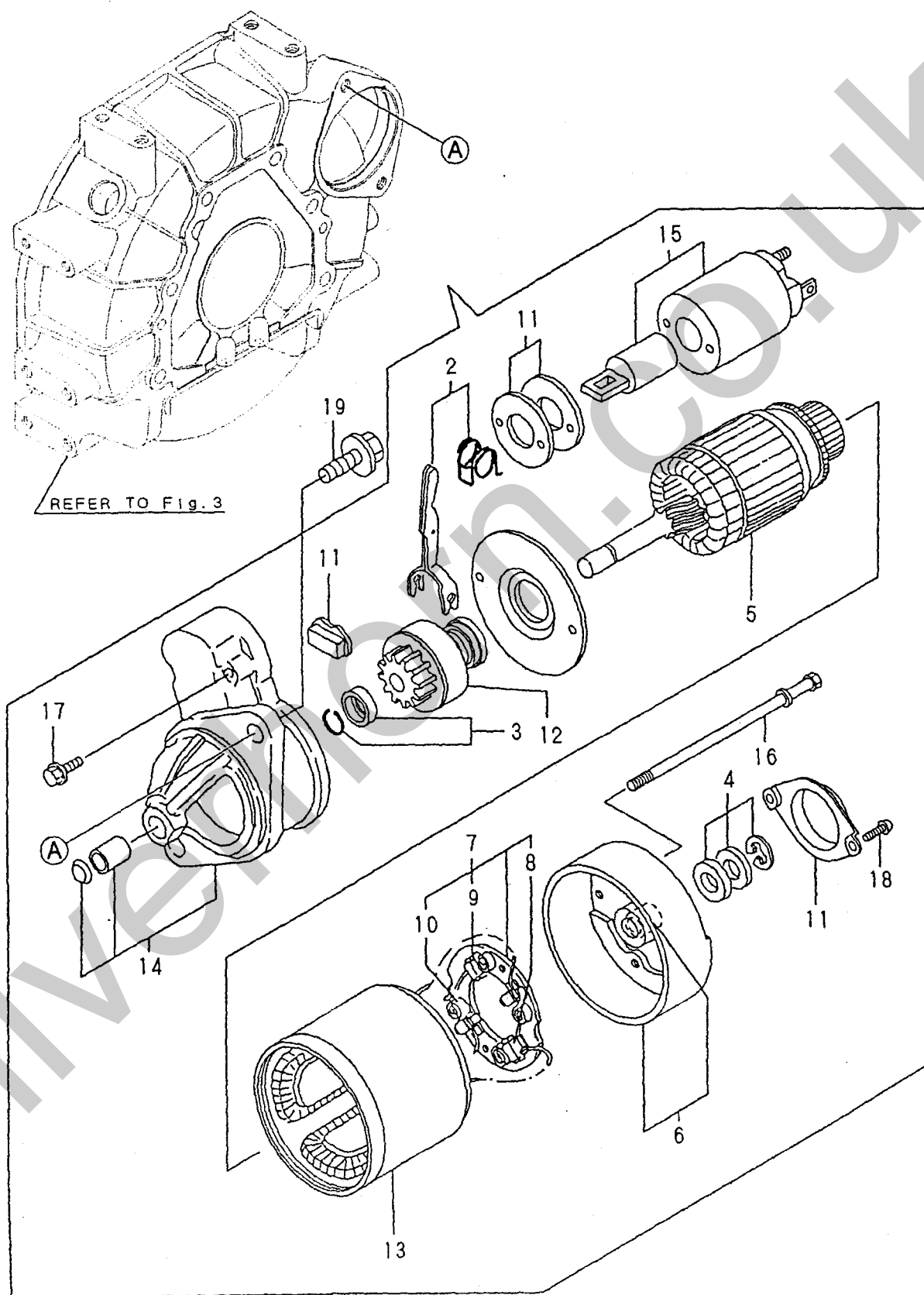


CLASSIFIED MARK

29 inc. 30 ~ 50

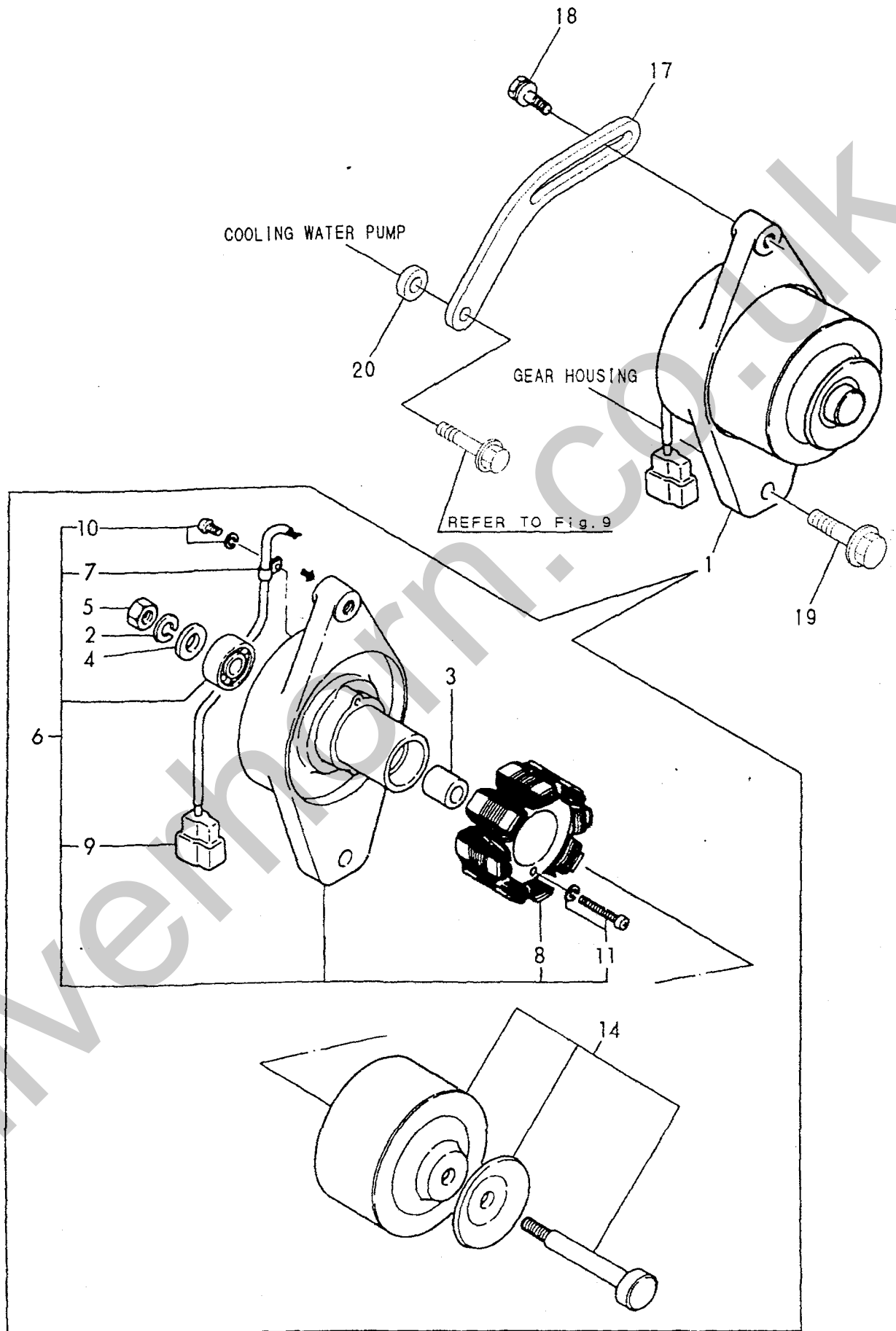
[illegible]

Fig 13 STARTING MOTOR



[illegible]

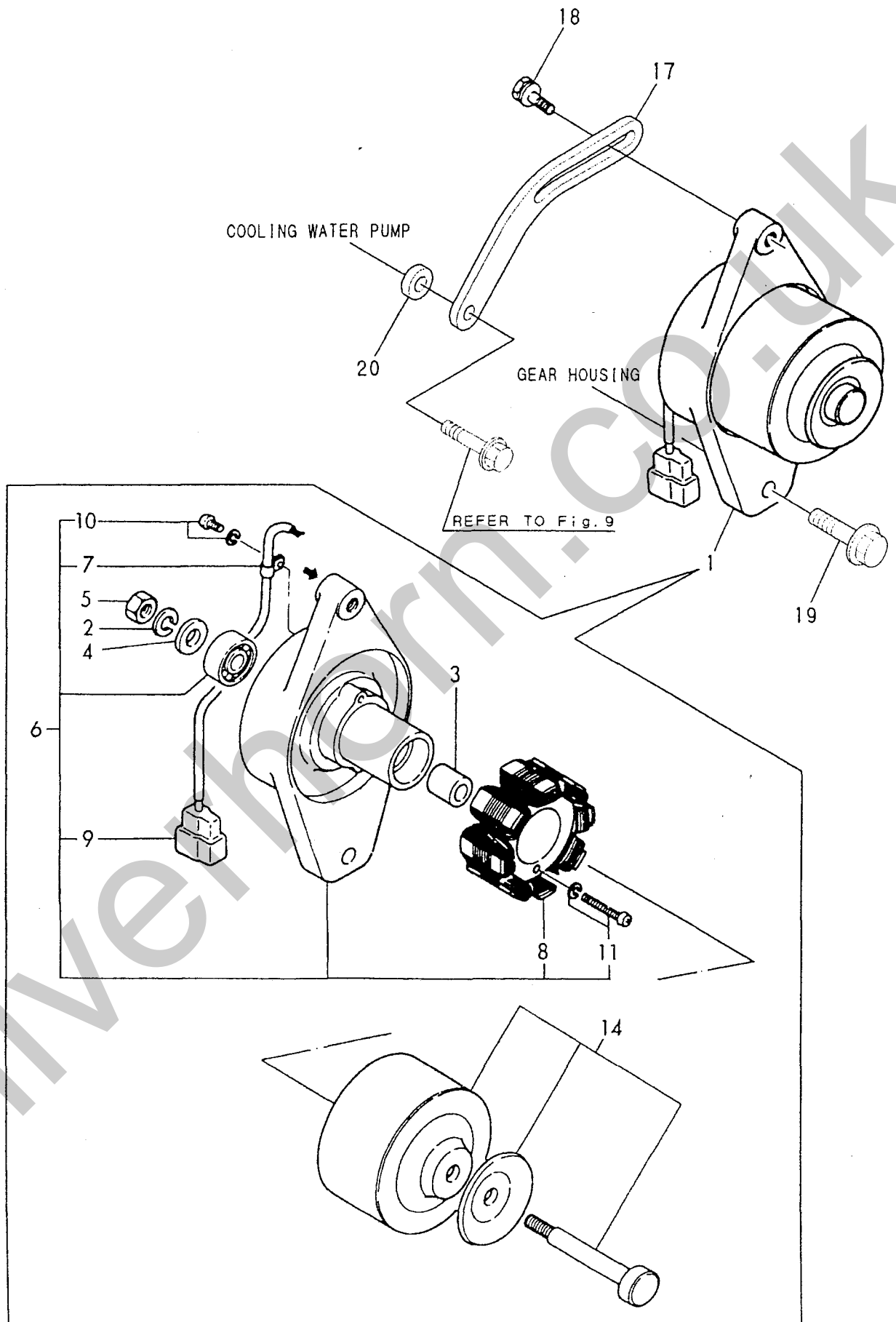
Fig 14 GENERATOR



3	
4	
5	

[illegible]

Fig 14 GENERATOR

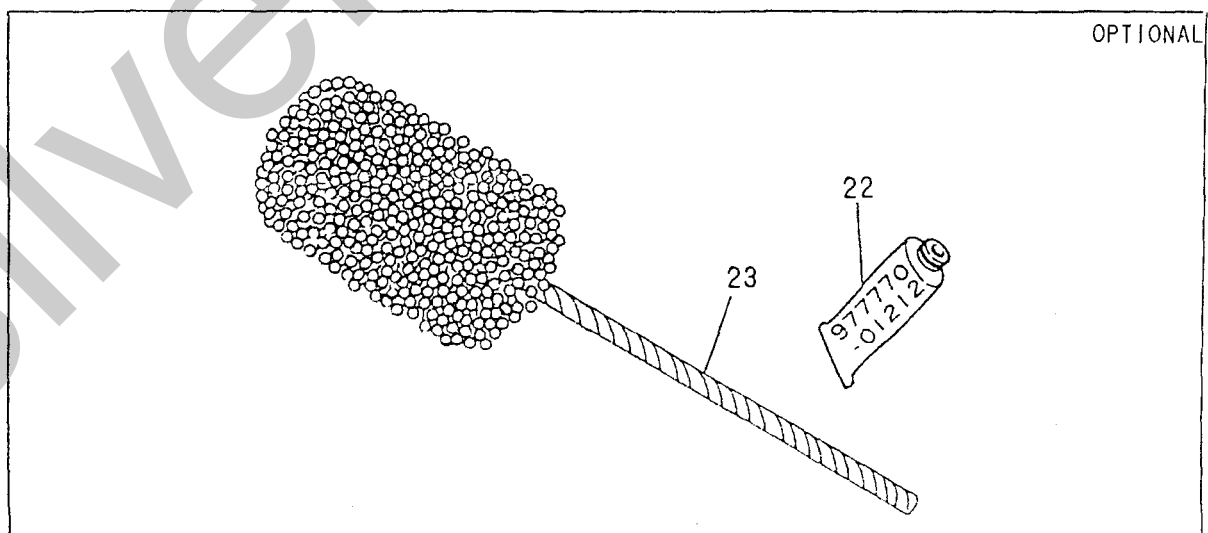
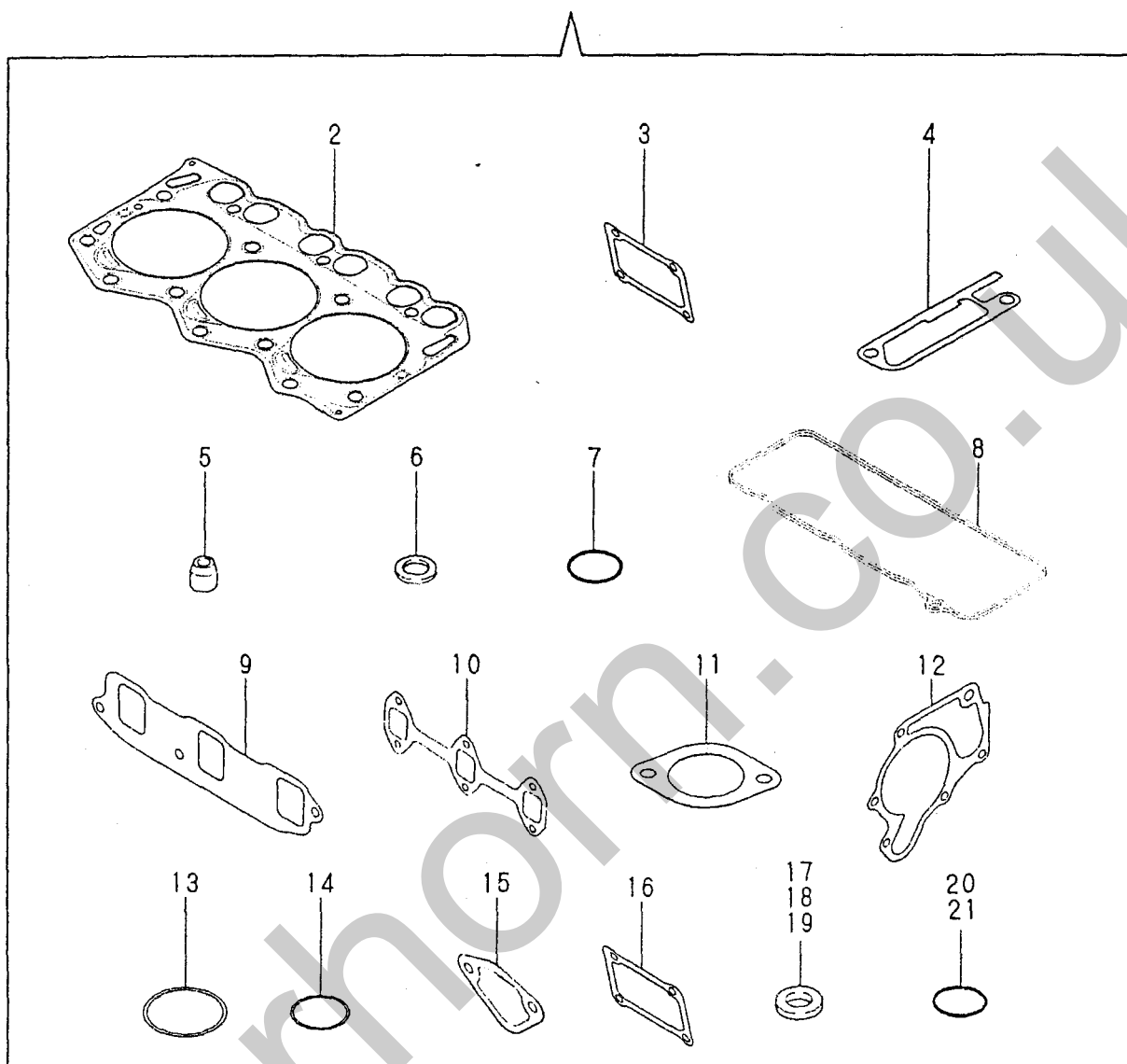


GENERATOR

3	
4	
5	

[illegible]

Fig 15 GASKET SET (OPTIONAL) & TOOL



A	3TNE68-ENBAC
B	
E	
F	

(1)	OPTIONAL
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