



SPARE PARTS MANUAL
FOR
PORTABLE SLEEPER SQUARER
(HONDA ENGINE)

ORDERING PROCEDURE

In order to avoid delay, and to have your orders fulfilled promptly, the recommended procedure to use when ordering replacement parts is as follows:-

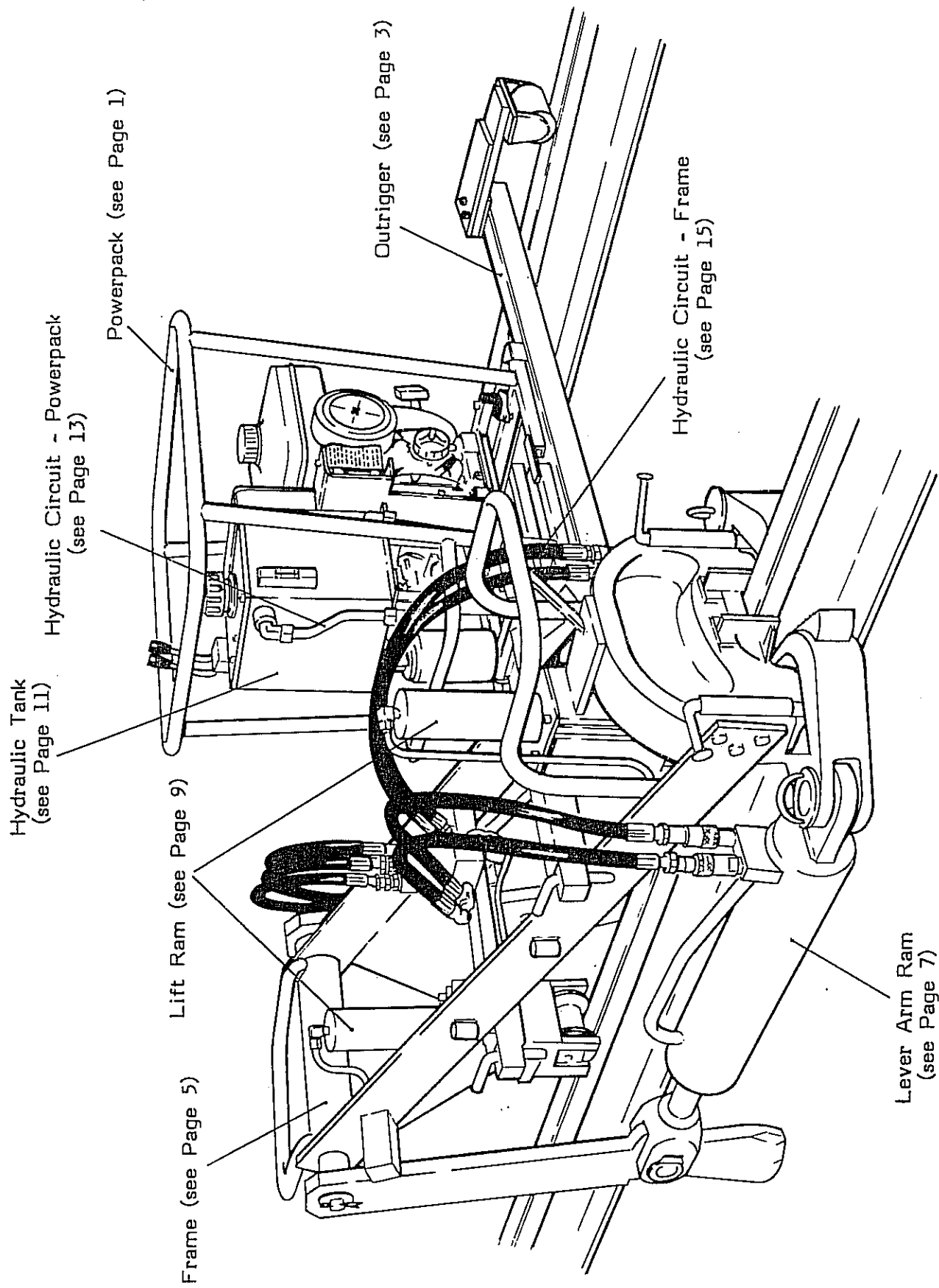
WHEN ORDERING PARTS: Telephone, telex or write giving the following information:

1. Your Purchase Order Numbers
2. Complete Invoicing and Delivery Address
3. Specify Method of Delivery
4. Correct Part Number(s) and Description(s)

THE PERMANENT WAY EQUIPMENT Co.Ltd.

GILTBROOK NOTTINGHAM ENGLAND NG16 2GQ
Tel:(0602)384004 Telex:37254 PERMAQ G

ISSUE 1
8/88



INDEX

<u>DESCRIPTION</u>	<u>PAGE NO.</u>
<u>SECTION 1 - GENERAL ASSEMBLY</u>	
POWERPACK	1
OUTRIGGER	3
FRAME AND ANCILLARIES	5
LEVER ARM RAM	7
LIFT RAM	9
HYDRAULIC TANK	11
HYDRAULIC CIRCUIT - POWERPACK	13
HYDRAULIC CIRCUIT - FRAME	15
LABELS	17

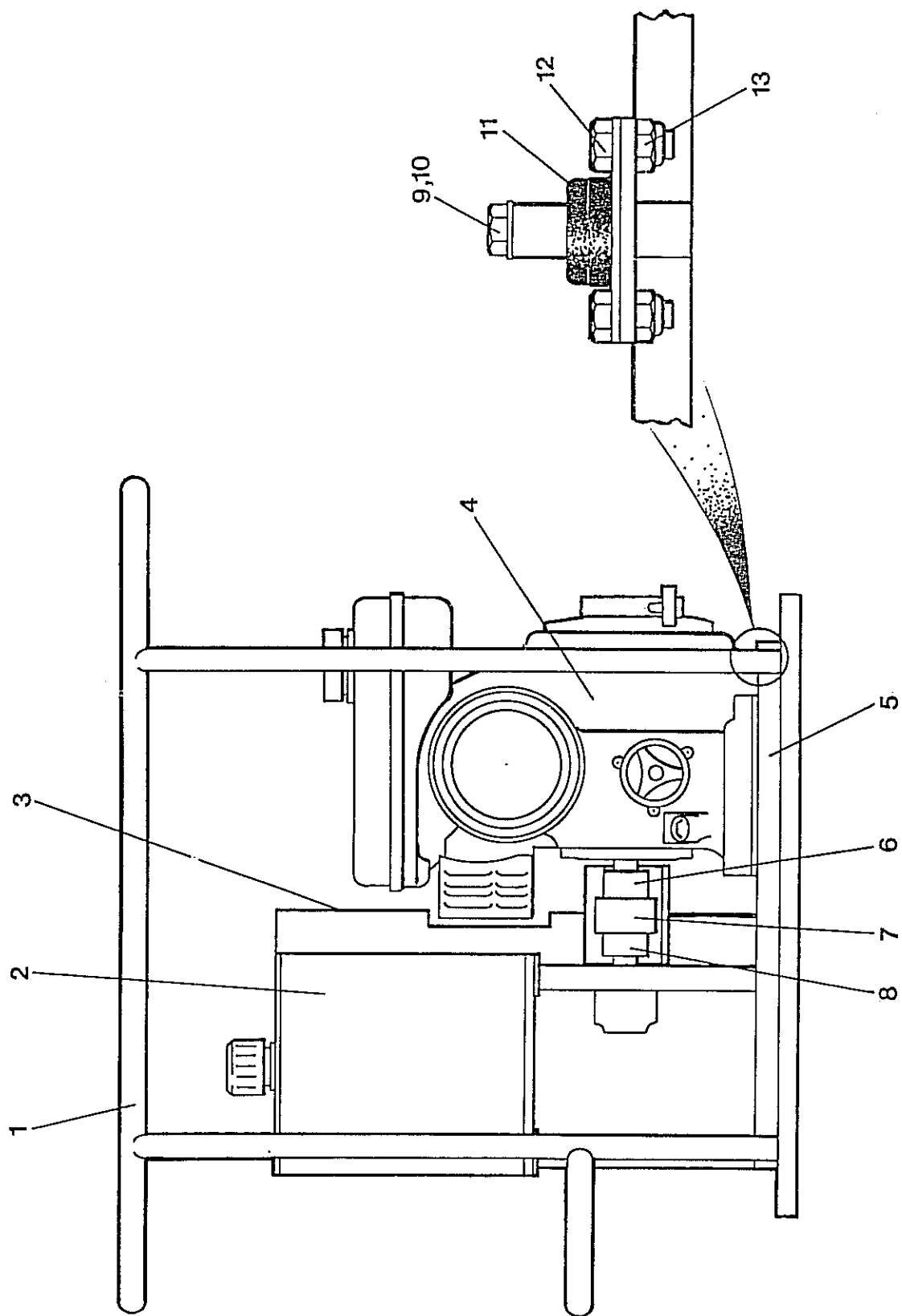
HEALTH AND SAFETY AT WORK ACT: 1974

SPARE PARTS INCORPORATED MUST BE IN ACCORDANCE
WITH MANUFACTURER'S SPARE PARTS LIST

POWER PACK

<u>ITEM NO.</u>	<u>PART NO.</u>	<u>QTY</u>	<u>DESCRIPTION</u>
1	442228200	1	Main Frame
2	-	1	Hydraulic Tank (see page 11)
3	442228300	1	Shaft Guard
* 4	040706002	1	Engine
5	442223300	1	Sub-Frame
6	441064200	1	Drive Coupling - Engine Side
7	040600001	1	Sleeve
8	441056200	1	Drive Coupling - Tank Side
9	040310435	4	Bolt
10	040260016	4	Spring Washer
11	440235700	4	Engine Mounting
12	040315066	8	Screw
13	040420012	8	Nyloc Nut

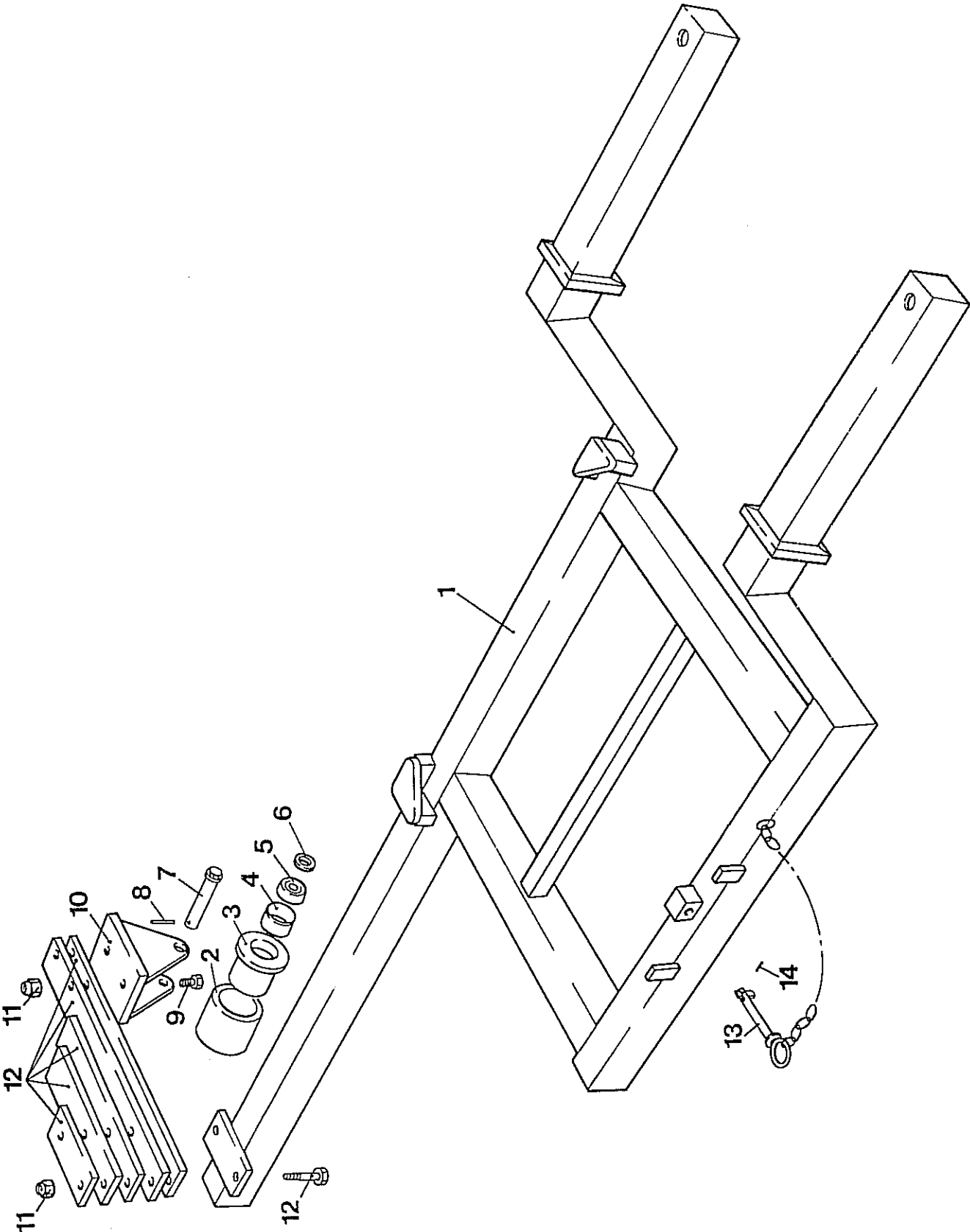
* For Engine Parts breakdown see Engine Manual



OUTRIGGER ASSEMBLY

Assembly Ref. No. 441450300

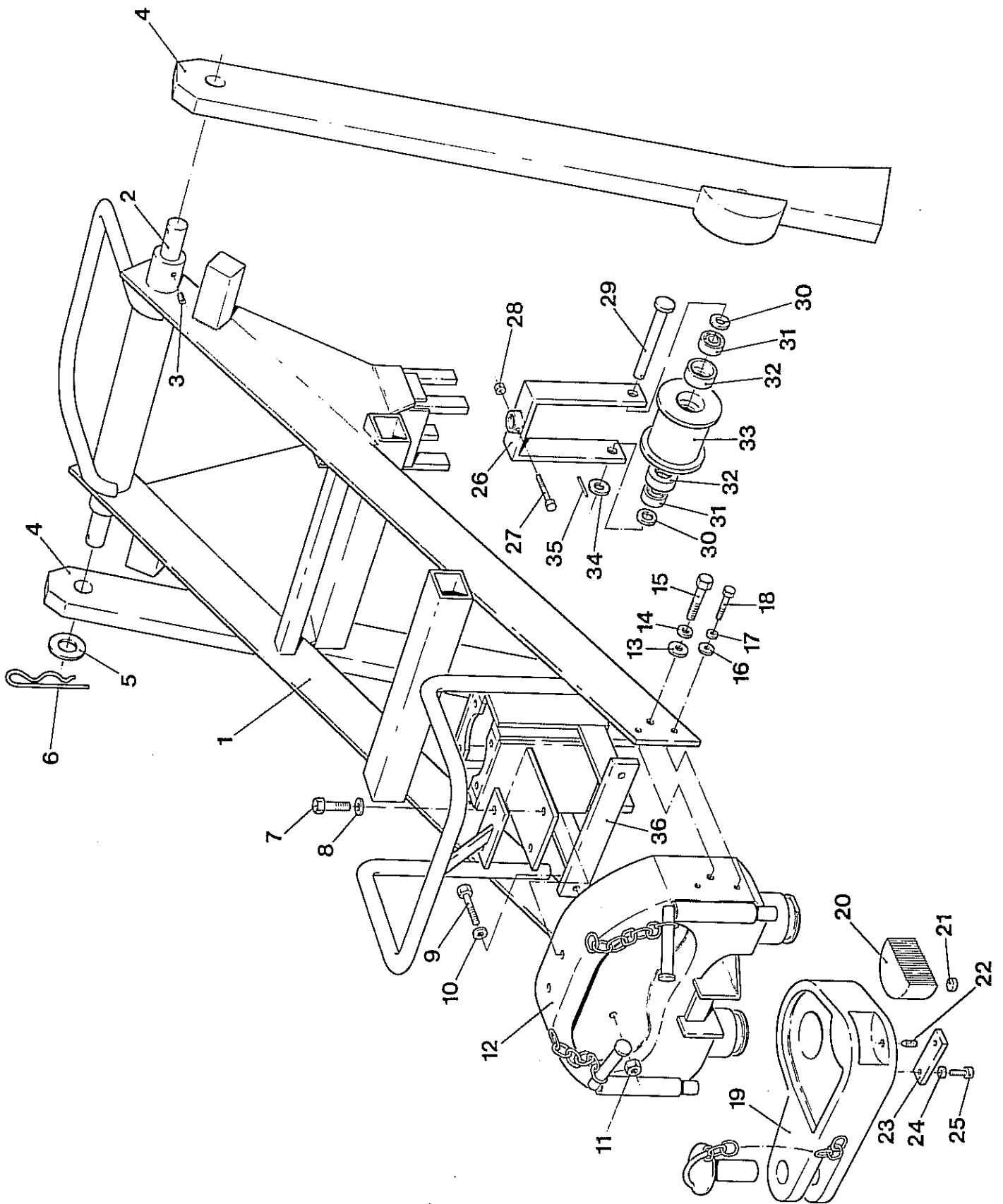
<u>ITEM NO.</u>	<u>PART NO.</u>	<u>QTY</u>	<u>DESCRIPTION</u>
1	441441000	1	Outrigger Frame
2	440423902	1	Sleeve
3	440423801	1	Roller
4	440203101	2	Insulating Bush
5	040560002	2	Bearing
6	440223300	2	Washer
7	440424002	1	Roller Axle
8	040220816	1	Selloc Pin
9	040315089	2	Screw
10	440321402	1	Roller Mounting Bracket
11	040420013	4	Nyloc Nut
12	440323101	1 Set	Spring
13	441454200	1	Locating Pin & Chain
14	040220808	1	Selloc Pin



OUTRIGGER ASSEMBLY

FRAME AND ANCILLARIES

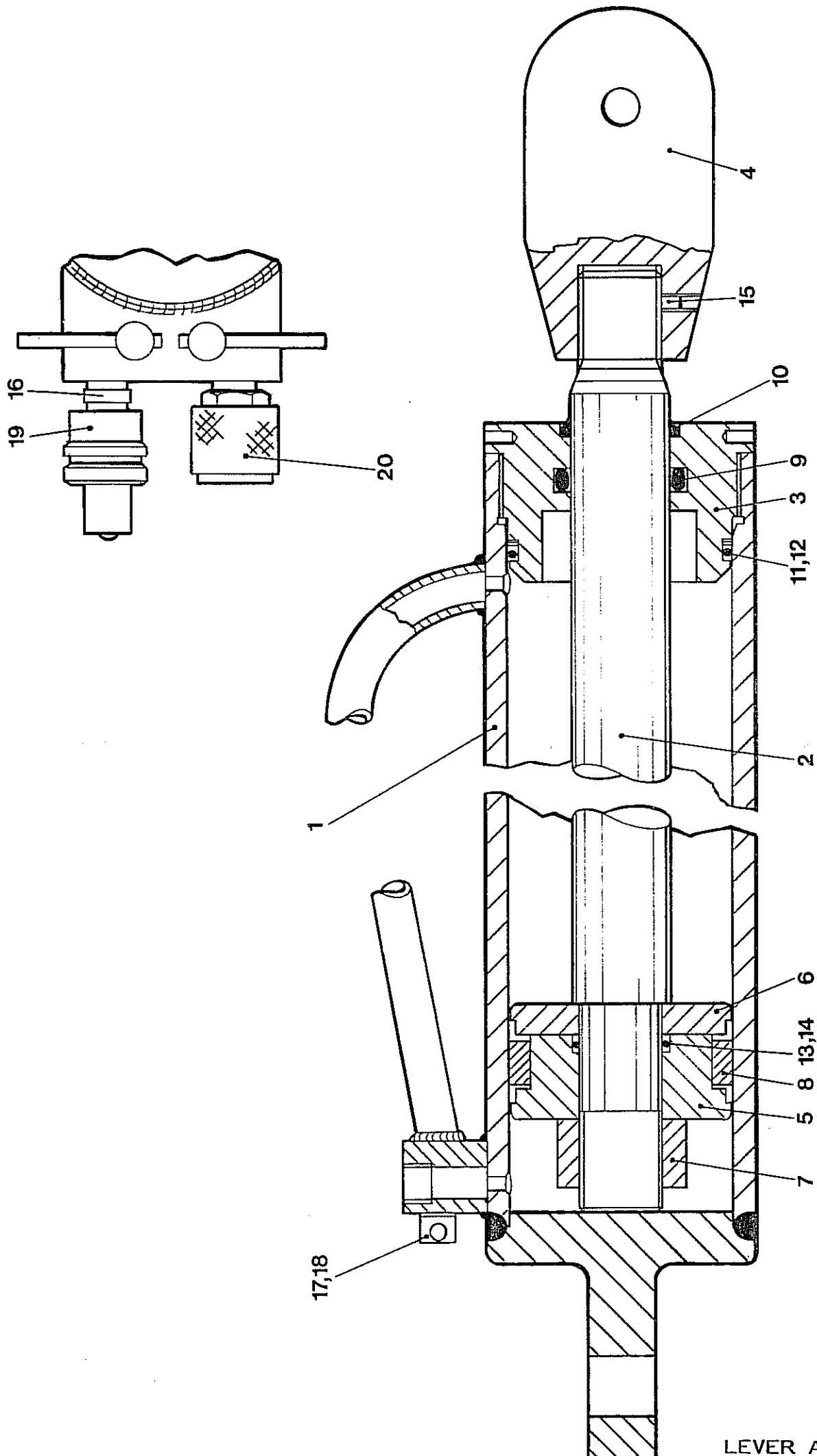
<u>ITEM NO.</u>	<u>PART NO.</u>	<u>QTY</u>	<u>DESCRIPTION</u>
1	441459800	1	Frame Assembly
2	441459900	1	Shaft
3	040335029	2	Grub Screw
4	441440800	2	Lever Arm
5	040280044	4	Washer
6	040215020	2	'R' Cup
7	040315116	2	Set Screw
8	040260016	2	Spring Washer
9	040315118	2	Set Screw
10	040260016	2	Spring Washer
11	040420015	2	Nyloc Nut
12	441460000	1	Yoke
13	040285108	2	Washer
14	040260011	2	Spring Washer
15	040315171	2	Set Screw
16	040285105	4	Washer
17	040260008	4	Spring Washer
18	040315091	4	Set Screw
19	441495200	1	Yoke Lever Arm - L.H.
N/I	441495100	1	Yoke Lever Arm - R.H.
20	440113506	2	Jaw
21	440213000	2	Rubber Insert
22	440212900	2	Grub Screw
23	440230802	2	Locking Plate
24	040260009	4	Spring Washer
25	040355056	4	Cap Head Screw
26	441444800	2	Roller Frame
27	040305047	2	Screw
28	040420013	2	Nyloc Nut
29	441444900	2	Axle
30	440223300	4	Washer
31	040560002	4	Bearing
32	440203100	4	Insulation Bush
33	440595300	2	Wheel
34	040285107	2	Washer
35	040220816	2	Spring Pin
36	441460300	1	Ram Housing



FRAME AND ANCILLARIES

LEVER ARM RAMAssembly Ref. No. 441443800

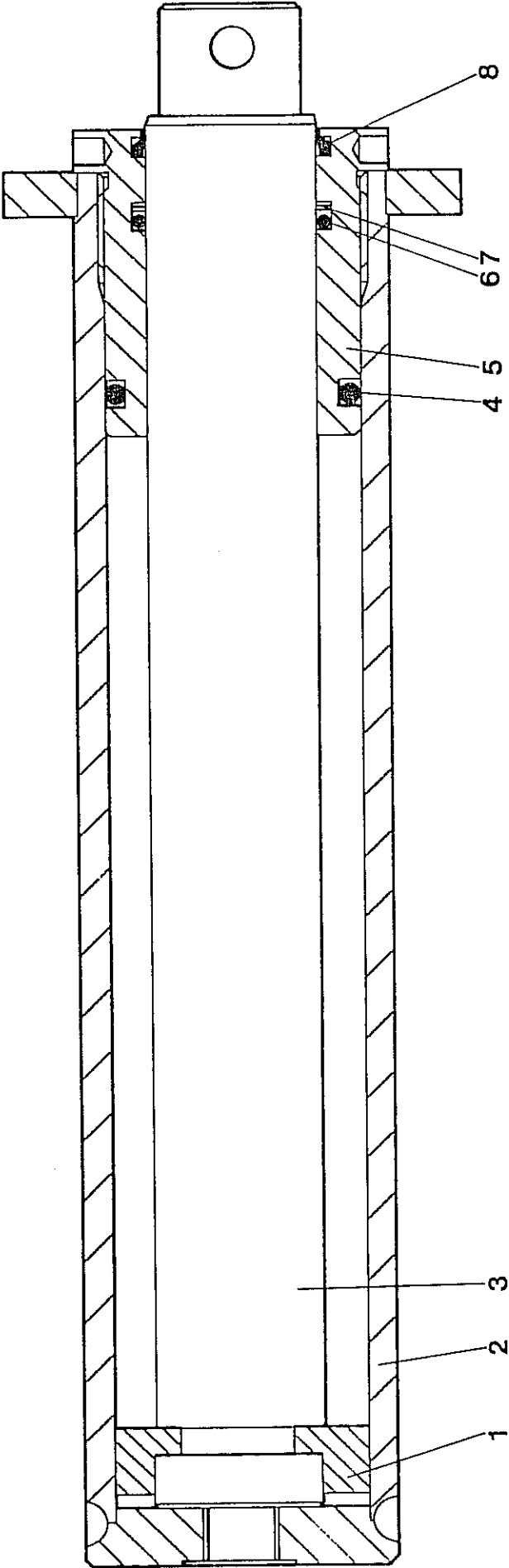
<u>ITEM NO.</u>	<u>PART NO.</u>	<u>QTY</u>	<u>DESCRIPTION</u>
1	441445202	1	Cylinder
2	440317600	1	Piston Rod
3	440317700	1	Piston Bearing
4	441445100	1	Fork End
5	440281900	1	Piston
6	440282000	1	Piston Seal Retainer
7	440502700	1	Piston Nut
8	040060509	1	D.A. Fluid Seal
9	040050022	1	S.A. Fluid Seal
10	040100324	1	Wiper Seal
11	040010148	1	'O' Ring
12	040180010	1	Back Up Ring
13	040010078	1	'O' Ring
14	040180060	2	Back Up Ring
15	040330166	1	Grub Screw
16	040570055	1	Adaptor
17	440503000	2	Bleed Screw
18	040130001	2	Bonded Seal
19	040990441	1	Hose Connector - Male
20	040990442	1	Hose Connector - Female
N/I	040990443	1	Dust Cap (for use with Item 19)
N/I	040990444	1	Dust Plug (for use with Item 20)



LIFT RAM ASSEMBLY

Assembly Ref. No. 441444500

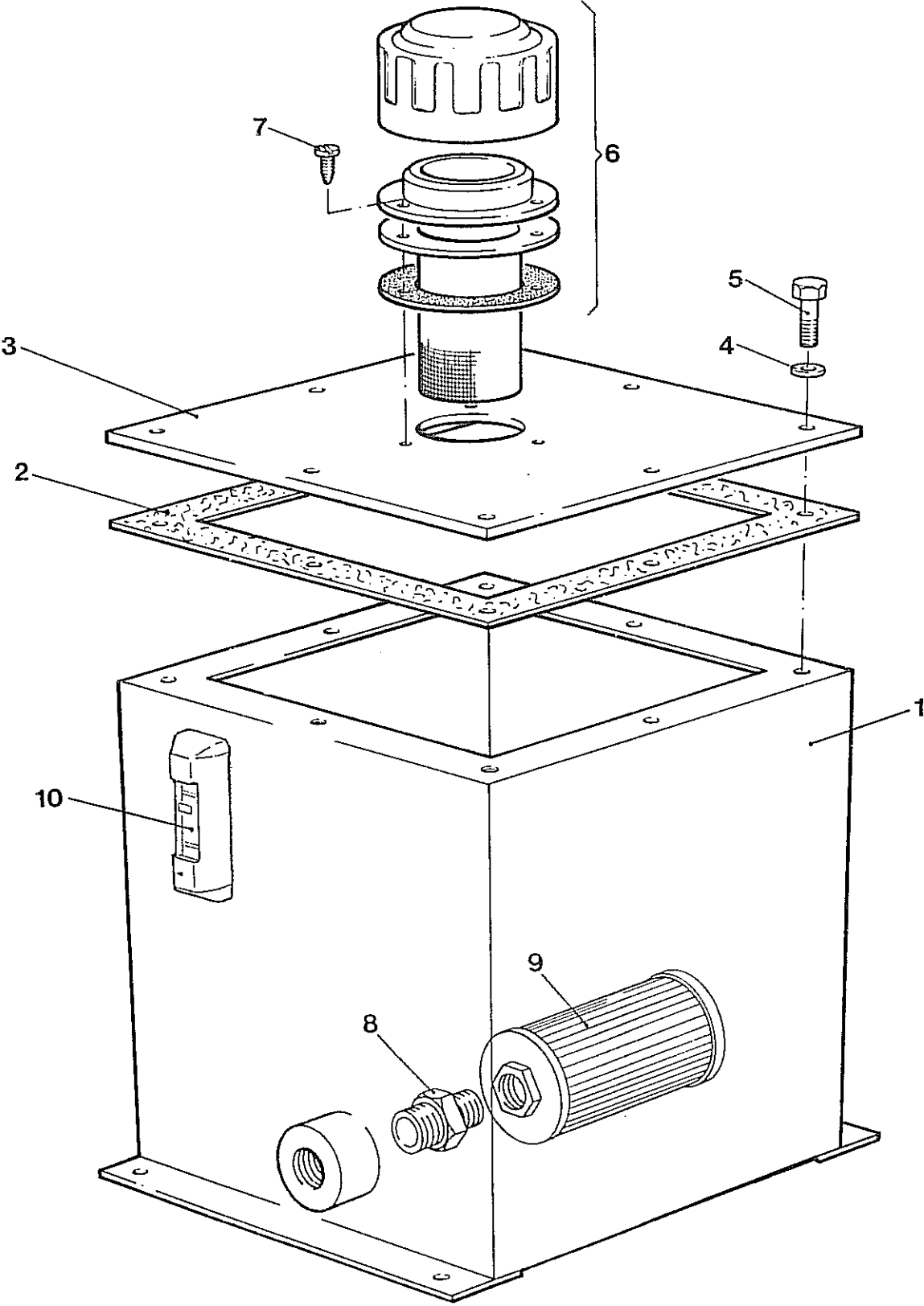
<u>ITEM NO.</u>	<u>PART NO.</u>	<u>QTY</u>	<u>DESCRIPTION</u>
1	440470500	1	Piston
2	441445900	1	Cylinder
3	441441500	1	Piston Rod
4	040010134	1	'O' Ring
5	440470400	1	Cylinder Gland
6	040010078	1	'O' Ring
7	040180060	1	Back Up Ring
8	040100506	1	Wiper Seal
			Attaching Parts:
N/I	040305053	4	Bolt
N/I	040260016	4	Spring Washer



HYDRAULIC TANK ASSEMBLY

Assembly Ref. No. 441065200

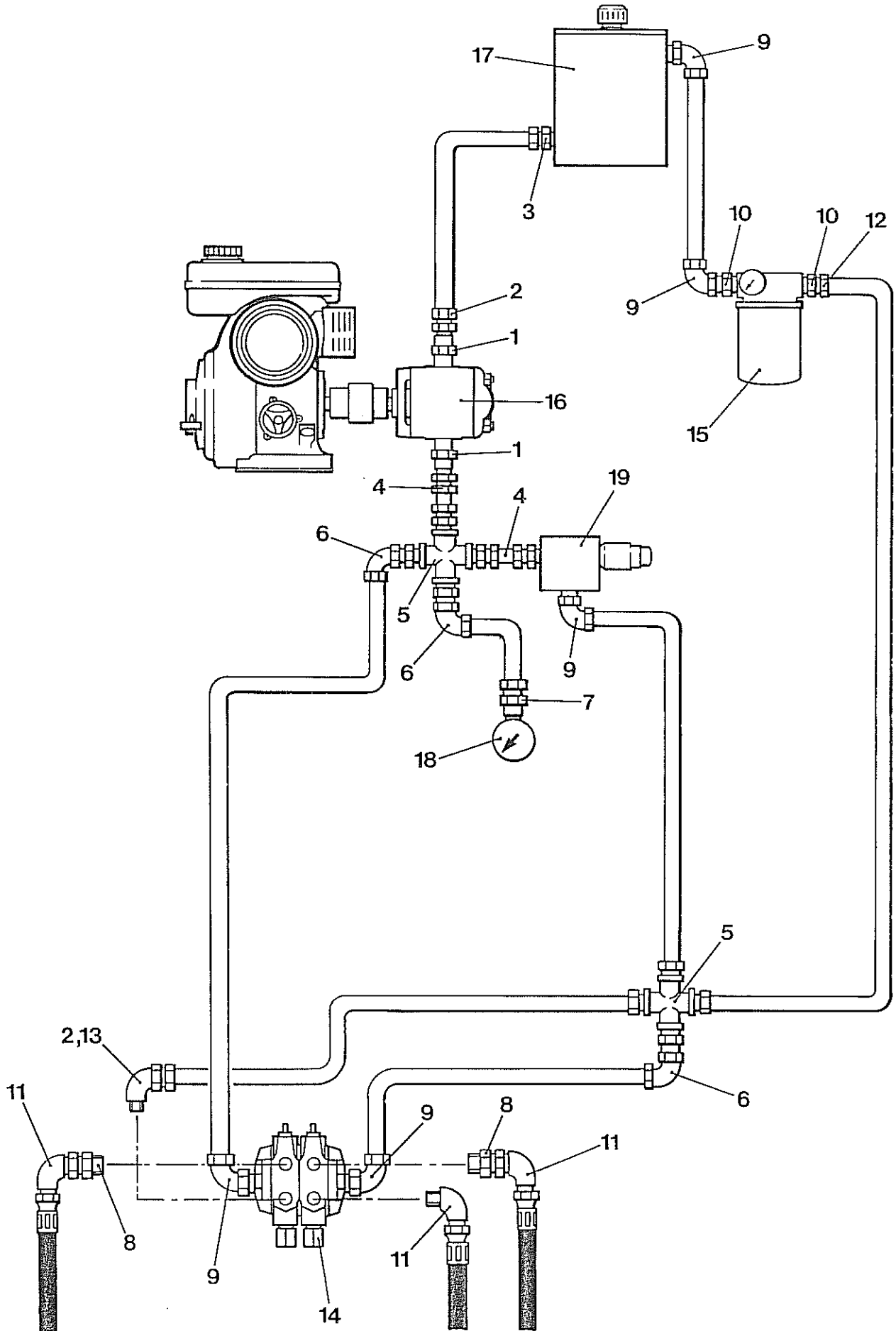
<u>ITEM NO.</u>	<u>PART NO.</u>	<u>QTY</u>	<u>DESCRIPTION</u>
1	441055206	1	Tank Fabrication
2	441269400	1	Gasket
3	441269200	1	Tank Lid
4	040130001	8	Bonded Seal
5	040315045	8	Bolt
6	040970001	1	Filler Cap
7	040490001	3	Self Tapper Screw
8	040570011	1	Adaptor
9	040970021	1	Suction Filter
10	040990044	1	Oil Level Gauge



HYDRAULIC TANK

HYDRAULIC CIRCUIT - POWER PACK

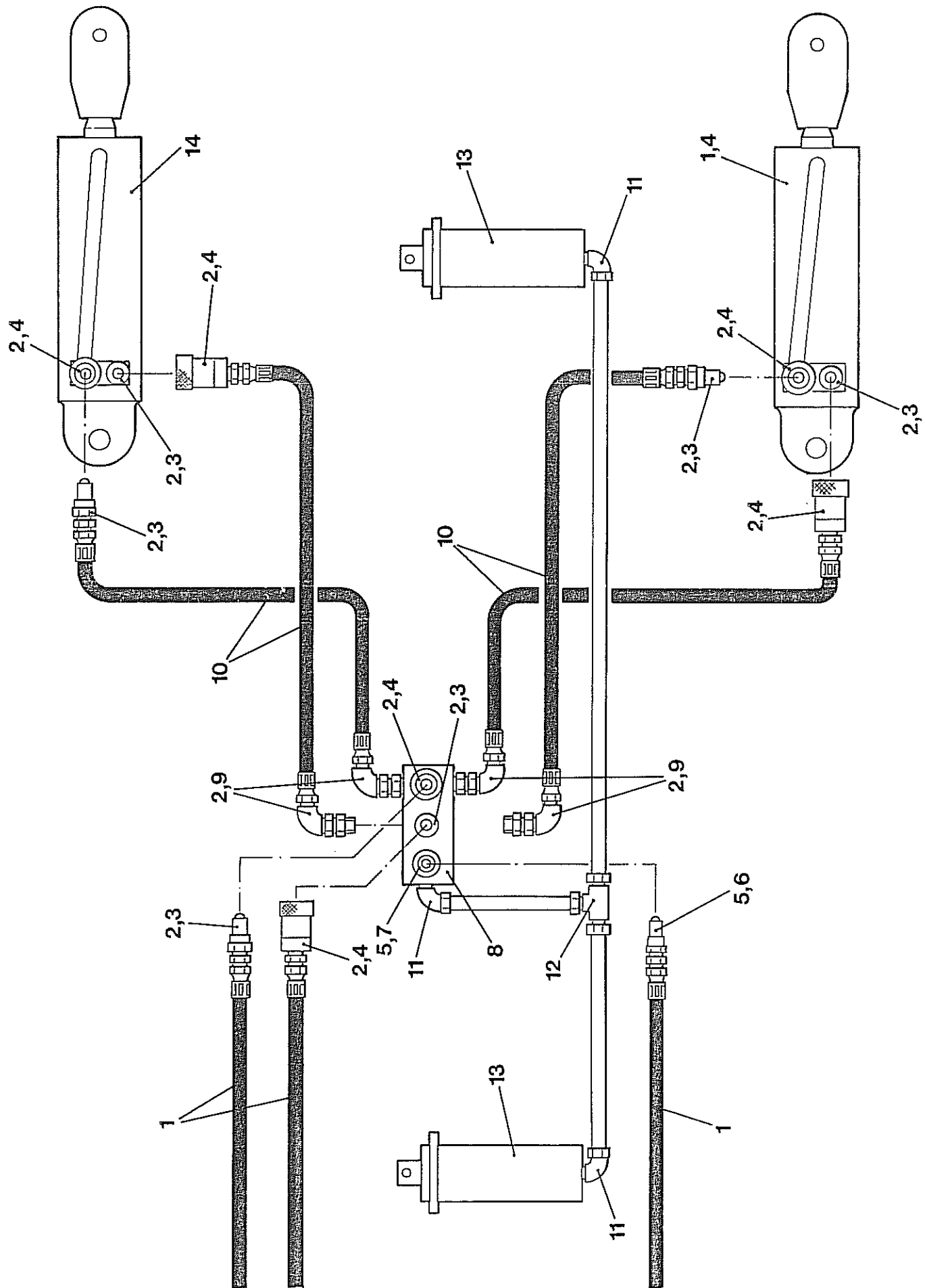
<u>ITEM NO.</u>	<u>PART NO.</u>	<u>QTY</u>	<u>DESCRIPTION</u>
1	040570096	2	Barrel Connector
2	040575041	2	Stud Coupling
3	040575104	1	Stud Elbow
4	040575144	2	Standpipe
5	040575120	2	Equal Cross
6	040575082	3	Swivel Elbow
7	040575173	1	Gauge Connector
8	040570006	2	Adaptor
9	040575101	5	Elbow
10	040575077	2	Reducer
11	040570398	3	Swivel Elbow
12	040575042	1	Stud Coupling
13	040570071	1	Elbow
14	040630027	1	Control Valve
15	040970007	1	Filter
16	040730031	1	Pump
17	-	1	Hydraulic Tank (see Page 18)
18	040990010	1	Pressure Gauge
19	040630235	1	Relief Valve, including:-
	040630236	1	Valve Body



HYDRAULIC CIRCUIT - POWER PACK

HYDRAULIC CIRCUIT - FRAME

<u>ITEM NO.</u>	<u>PART NO.</u>	<u>QTY</u>	<u>DESCRIPTION</u>
1	040160322	3	Hose Assembly
2	040570006	14	Adaptor
3	040990441	6	Quick Release Coupling - Male (3/8")
4	040990442	6	Quick Release Coupling - Female (3/8")
5	040570002	2	Adaptor
6	040990435	1	Quick Release Coupling - Male (1/4")
7	040990436	1	Quick Release Coupling - Female (1/4")
8	441446200	1	Connection Block
9	040570398	6	Swivel Elbow
10	040160321	4	Hose Assembly
11	040570206	3	Elbow
12	040570210	1	Tee
13	-	2	Lift Ram (see Page 9)
14	-	2	Lever Arm Ram (see Page 7)
N/I	040990443	6	Dust Cap - Male (3/8")
N/I	040990444	6	Dust Cap - Female (3/8")
N/I	040990447	1	Dust Cap - Male (1/4")
N/I	040990446	1	Dust Cap - Female (1/4")

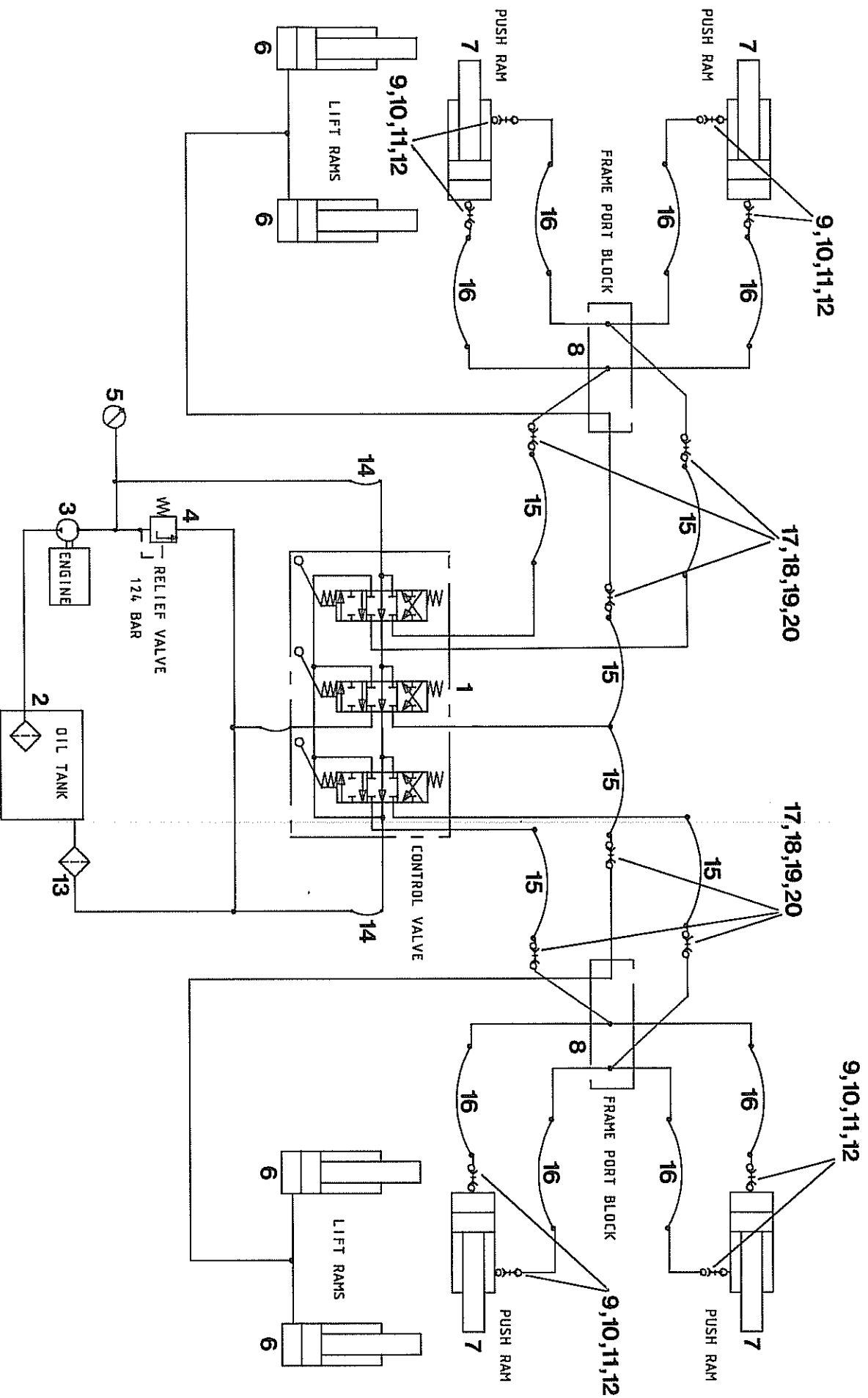


LABELS AND DECALS

<u>PART NO.</u>	<u>QTY</u>	<u>DESCRIPTION</u>
440964000	5	Decal - Permaquip (Small)
440974200	4	Decal - Permaquip (Large)
440965300	1	Logo - Permaquip (Large)
440963800	1	Logo - Permaquip (Medium)
440797600	1	Label - Fill With Hydraulic Oil....
441458400	1	Label - Operation
442256100	1	Label - Sleeper Squarer Powerpack

HYDRAULIC CIRCUIT

<u>ITEM NO.</u>	<u>PART NO.</u>	<u>QTY</u>	<u>DESCRIPTION</u>
1	040631025	1	Control Valve
2	-	1	Hydraulic Tank (See Page 9)
3	040730031	1	Hydraulic Pump
4	040630235	1	Relief Valve, Including :-
	040630236	1	Valve Body
5	040990010	1	Pressure Gauge
6	-	4	Lift Ram Assembly (See Page 7)
7	-	4	Push Ram Assembly (See Page 5)
8	621446200	2	Connection Block
9	040990441	8	Quick Release Coupling - Male
10	040990442	8	Quick Release Coupling - Female
11	040990443	8	Dust Cap - Male
12	040990444	8	Dust Cap - Female
13	040970007	1	Filter
14	040160423	2	Hose Assembly
15	040160322	6	Hose Assembly
16	040160321	8	Hose Assembly
17	040990435	8	Quick Release Coupling - Male
18	040990436	8	Quick Release Coupling - Female
19	040990447	8	Dust Cap - Male
20	040990446	8	Dust Cap - Female



INDEX

<u>DESCRIPTION</u>	<u>PAGE NO.</u>
<u>SECTION 1 - GENERAL ASSEMBLY</u>	
POWERPACK	1
OUTRIGGER	3
FRAME AND ANCILLARIES	5
LEVER ARM RAM	7
LIFT RAM	9
HYDRAULIC TANK	11
HYDRAULIC CIRCUIT - POWERPACK	13
HYDRAULIC CIRCUIT - FRAME	15
LABELS	17

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