

MANUALLY OPERATED PUMP

SERIAL NUMBERS

FROM DT0642

PRODUCT NO.

HP232

SHT 1 OF 1 SHTS



5533

5 6

8

9 10 11

12 13

14 15

16 17

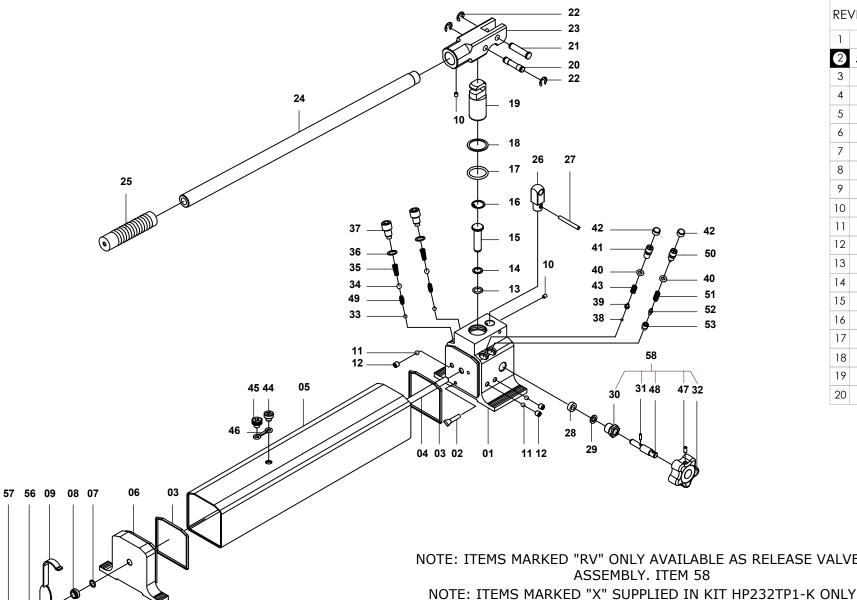
18 19

20

04 03 02 01 11 12 NOTE: ITEMS MARKED "RV" ONLY AVAILABLE AS RELEASE VALVE

## **IMPORTANT**

WHEN ORDERING SPARES YOU MUST STATE THE FULL PART NUMBER AND THE PRODUCT SERIAL NUMBER - FROM THE LABEL TO PROTECT YOUR WARRANTY ALWAYS USE GENUINE HI-FORCE PARTS



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## MANUALLY OPERATED PUMP

SERIAL NUMBERS
FROM DT0642

PRODUCT NO.

HP232

SHT 1 OF 1 SHTS

REVISION

2 5533

5

TEM NO.   PART NO.   DESCRIPTION   QTY.   SPARE SERVICE PARTS   PARTS						
01       HP232-01       Pump Housing       1         02       Oil Filter       1       x       ✓         03       Ring       2       x       ✓         04       HP232-04       Tie Rod       1          05       HP232-05       Reservoir       1          06       HP232-06       Tail Base       1          07       O-Ring       1       x       ✓         08       Hook Ring       1       x       ✓         10       Screw       2       x       ✓         10       Screw       2       x       ✓         11       Steel Ball       3       x       ✓         12       Set Screw       3       x       ✓         13       O-Ring       1       x       ✓         14       Back-Up Ring       1       x       ✓         15       HP227-17       Pump Piston       1       x       ✓         16       Snap Ring       1       x       ✓         18       Back-Up Ring       1       x       ✓         19       HP227-21       Pump Piston	ITEM NO.	PART NO.	DESCRIPTION	QTY.	SPARE PARTS	SERVICE PARTS
03       Ring       2       x       ✓         04       HP232-04       Tie Rod       1         05       HP232-05       Reservoir       1         06       HP232-06       Tail Base       1         07       O-Ring       1       x         08       Hook Ring       1       x         09       Fixing Hook       1       x         10       Screw       2       x         11       Steel Ball       3       x         12       Set Screw       3       x         13       O-Ring       1       x         14       Back-Up Ring       1       x         15       HP227-17       Pump Piston       1         16       Snap Ring       1       x         17       O-Ring       1       x         18       Back-Up Ring       1       x         19       HP227-21       Pump Piston       1         20       Piston Pin       1       x			Pump Housing	1		
04       HP232-04       Tie Rod       1         05       HP232-05       Reservoir       1         06       HP232-06       Tail Base       1         07       O-Ring       1       x         08       Hook Ring       1       x         09       Fixing Hook       1       x         10       Screw       2       x         11       Steel Ball       3       x         12       Set Screw       3       x         13       O-Ring       1       x         14       Back-Up Ring       1       x         15       HP227-17       Pump Piston       1         16       Snap Ring       1       x         17       O-Ring       1       x         18       Back-Up Ring       1       x         19       HP227-21       Pump Piston       1         20       Piston Pin       1       x			Oil Filter	1	х	✓
05 HP232-05 Reservoir 1 06 HP232-06 Tail Base 1 07 O-Ring 1	03		Ring		х	✓
06       HP232-06       Tail Base       1         07       O-Ring       1       x         08       Hook Ring       1       x         09       Fixing Hook       1       x         10       Screw       2       x         11       Steel Ball       3       x         12       Set Screw       3       x         13       O-Ring       1       x         14       Back-Up Ring       1       x         15       HP227-17       Pump Piston       1         16       Snap Ring       1       x         17       O-Ring       1       x         18       Back-Up Ring       1       x         19       HP227-21       Pump Piston       1         20       Piston Pin       1       x	04	HP232-04	Tie Rod	1		
07       O-Ring       1       x       ✓         08       Hook Ring       1       x       ✓         09       Fixing Hook       1       x       ✓         10       Screw       2       x       ✓         11       Steel Ball       3       x       ✓         12       Set Screw       3       x       ✓         13       O-Ring       1       x       ✓         14       Back-Up Ring       1       x       ✓         15       HP227-17       Pump Piston       1       x       ✓         16       Snap Ring       1       x       ✓         17       O-Ring       1       x       ✓         18       Back-Up Ring       1       x       ✓         19       HP227-21       Pump Piston       1       x       ✓         20       Piston Pin       1       x       ✓	05			1		
08       Hook Ring       1       x       ✓         09       Fixing Hook       1       x       ✓         10       Screw       2       x       ✓         11       Steel Ball       3       x       ✓         12       Set Screw       3       x       ✓         13       O-Ring       1       x       ✓         14       Back-Up Ring       1       x       ✓         15       HP227-17       Pump Piston       1       x       ✓         16       Snap Ring       1       x       ✓         17       O-Ring       1       x       ✓         18       Back-Up Ring       1       x       ✓         19       HP227-21       Pump Piston       1       x       ✓         20       Piston Pin       1       x       ✓	06	HP232-06				
09       Fixing Hook       1       x       ✓         10       Screw       2       x       ✓         11       Steel Ball       3       x       ✓         12       Set Screw       3       x       ✓         13       O-Ring       1       x       ✓         14       Back-Up Ring       1       x       ✓         15       HP227-17       Pump Piston       1       x       ✓         16       Snap Ring       1       x       ✓         17       O-Ring       1       x       ✓         18       Back-Up Ring       1       x       ✓         19       HP227-21       Pump Piston       1       x       ✓         20       Piston Pin       1       x       ✓				1	X	✓
10       Screw       2       x       ✓         11       Steel Ball       3       x       ✓         12       Set Screw       3       x       ✓         13       O-Ring       1       x       ✓         14       Back-Up Ring       1       x       ✓         15       HP227-17       Pump Piston       1       x       ✓         16       Snap Ring       1       x       ✓         17       O-Ring       1       x       ✓         18       Back-Up Ring       1       x       ✓         19       HP227-21       Pump Piston       1       x       ✓         20       Piston Pin       1       x       ✓	80				X	
11       Steel Ball       3       x       ✓         12       Set Screw       3       x       ✓         13       O-Ring       1       x       ✓         14       Back-Up Ring       1       x       ✓         15       HP227-17       Pump Piston       1       x       ✓         16       Snap Ring       1       x       ✓         17       O-Ring       1       x       ✓         18       Back-Up Ring       1       x       ✓         19       HP227-21       Pump Piston       1       x       ✓         20       Piston Pin       1       x       ✓	09				X	✓
13       O-Ring       1       x       ✓         14       Back-Up Ring       1       x       ✓         15       HP227-17       Pump Piston       1       x       ✓         16       Snap Ring       1       x       ✓         17       O-Ring       1       x       ✓         18       Back-Up Ring       1       x       ✓         19       HP227-21       Pump Piston       1       x       ✓         20       Piston Pin       1       x       ✓	10		Screw	2	X	✓
13       O-Ring       1       x       ✓         14       Back-Up Ring       1       x       ✓         15       HP227-17       Pump Piston       1       x       ✓         16       Snap Ring       1       x       ✓         17       O-Ring       1       x       ✓         18       Back-Up Ring       1       x       ✓         19       HP227-21       Pump Piston       1       x       ✓         20       Piston Pin       1       x       ✓	11		Steel Ball	3	X	✓
14       Back-Up Ring       1       x       ✓         15       HP227-17       Pump Piston       1         16       Snap Ring       1       x       ✓         17       O-Ring       1       x       ✓         18       Back-Up Ring       1       x       ✓         19       HP227-21       Pump Piston       1       x       ✓         20       Piston Pin       1       x       ✓	12		Set Screw	3	X	✓
15       HP227-17       Pump Piston       1         16       Snap Ring       1       x       ✓         17       O-Ring       1       x       ✓         18       Back-Up Ring       1       x       ✓         19       HP227-21       Pump Piston       1       x       ✓         20       Piston Pin       1       x       ✓	13		•	1	X	✓
16       Snap Ring       1       x       ✓         17       O-Ring       1       x       ✓         18       Back-Up Ring       1       x       ✓         19       HP227-21       Pump Piston       1       x       ✓         20       Piston Pin       1       x       ✓			Back-Up Ring	_	X	✓
17 O-Ring 1 x ✓ 18 Back-Up Ring 1 x ✓ 19 HP227-21 Pump Piston 1 20 Piston Pin 1 x ✓		HP227-17	Pump Piston	1		
18         Back-Up Ring         1         x         ✓           19         HP227-21         Pump Piston         1         x         ✓           20         Piston Pin         1         x         ✓	16			1	X	✓
19       HP227-21       Pump Piston       1         20       Piston Pin       1       x       ✓	17			1	X	✓
20 Piston Pin 1 x ✓	18			1	X	✓
	19	HP227-21	Pump Piston	1		
Volco Din 1 V	20			1	X	
21 TORE FILL 1 X V	21		Yoke Pin	1	X	✓
22 Retaining Ring 3 x	22		Retaining Ring		X	✓
23 HP232-23 Yoke 1	23	HP232-23	Yoke	1		
24 HP232-24 Handle 1	24	HP232-24	Handle	1		
25 Handle Grip 1 x ✓	25		Handle Grip	1	х	✓
26   HP232-26   Yoke Base   1	26	HP232-26	Yoke Base	1		
27   Roll Pin 1 x ✓	27		Roll Pin	1	х	✓
27         Roll Pin         1         x         ✓           28         Oil Seal         1         x         ✓	28			1	Х	✓
29 Washer 1 <i>x</i> ✓					X	✓
30 RV Release Nut 1 x		RV	Release Nut		X	
31 RV Pin 1 x	1				X	
32 RV Release Knob 1 x		RV			X	
33   Steel Ball 2 x ✓	33		Steel Ball	2	X	✓

ITEM NO.	PART NO.	DESCRIPTION	QTY.	SPARE PARTS	SERVICE PARTS
34		Steel Ball	2	X	✓
35		Spring	2	X	✓
36		Washer	2	X	✓
37		Valve Cover Screw	2	X	✓
38		Steel Ball	1	X	✓
39		Spring End Cap	1	X	✓
40		O-Ring	2	X	✓
41		Overload Cover Screw	1	X	✓
42		Сар	2	X	✓
43		Short Separator Spring	1	X	✓
44		Air Release Screw	1	х	✓
45		Vent Screw	1	х	✓
46		O-Ring	1	х	✓
47	RV	Knob Screw	1	X	
48	RV	Release Valve Screw	1	х	
49		Spring	1	X	✓
50		Overload Cover Screw	2	х	✓
51		Long Separator Spring	1	х	✓
52		Cone	1	X	✓
53		Cone Seat	1	X	✓
56		Brass Washer	1	X	✓
57		Nut	1	Х	✓
58	HP211-52	Release Valve Assy	1		

NOTE:			

- ALL PARTS ARE AVAILABLE TO BE ORDERED AS SPARE PARTS (UNLESS MARKED WITH  $\emph{\textbf{x}}$ ).
- PARTS MARKED WITH  $\checkmark$  ARE AVAILABLE AS SERVICEABLE PARTS, FROM HP232TP1-K ONLY.
- ALL PART NO.S MARKED AS "RV"ONLY AVAILABLE AS RELEASE VALVE ASSEMBLY (ITEM 58)

## **IMPORTANT**

WHEN ORDERING SPARES YOU MUST STATE THE FULL PART NUMBER AND THE PRODUCT SERIAL NUMBER - FROM THE LABEL

TO PROTECT YOUR WARRANTY ALWAYS USE GENUINE HI-FORCE PARTS

www.hi-force.com



## MANUALLY OPERATED PUMP HP232

SERIAL NUMBERS
UPTO DT0641

SPARE PARTS LIST NO.

TO PROTECT YOUR WARRANTY ALWAYS USE GENUINE HI-FORCE PARTS

HP232P1

TEM NO.	PART NO.	DESCRIPTION	QTY	ITEM NO.	PART NO.	DESCRIPTION	QTY	
01	HP232-01	Pump Housing	1	46	Х	O-Ring	1	
02	Х	Oil Filter	1	47	RV	Knob Screw	1	
03	Х	Ring	2	48	RV	Release Valve Screw	1	22
04	HP232-04	Tie Rod	1	49	Х	Spring	2	23
05	HP232-05	Reservoir	1	50	Х	Overload Cover Screw	1	21
06	HP232-06	Tail Base	1	51	Х	Long Separator Spring	1	
07	Х	O-Ring	1	52	Х	Cone	1	20
08	Х	Hook Ring	1	53	Х	Cone Seat	1	<i>p</i> − 22
09	Х	Fixing Hook	1	56	Х	Brass Washer	1 24	4 / 1 1 2 40
10	Х	Screw	2	57	Х	Nut	1	
11	Х	Steel Ball	4	58	HP211-52	Release Valve Assy	1	10 \
12	Х	Set Screw	3					40
13	Х	O-Ring	1					<u> </u>
14	Х	Back-Up Ring	1					17
15	HP227-17	Pump Piston	1			25		Ф <sup>— 17</sup>
16	Х	Snap Ring	1			20	//	$  \qquad \qquad  $
17	Х	O-Ring	1					16
18	Х	Back-Up Ring	1					
19	HP227-21	Pump Piston	1					37 \iint 🗘 42 9 9-42
20	Х	Piston Pin	1					
21	Х	Yoke Pin	1			$\mathcal{O}$		36 — 50
22	Х	Retaining Ring	3					35 — 14   10 40 — 6
23	HP232-23	Yoke	1					$34 \longrightarrow $ $43 \longrightarrow $ $40 \longrightarrow $
24	HP232-24	Handle	1					$\frac{1}{2}$
25	Х	Handle Grip	1					52
26	HP232-26	Yoke Base	1					33
27	Х	Roll Pin	1					53
28	Х	Oil Seal	1					11
29	Х	Washer	1					12 58
30	RV	Release Nut	1					
31	RV	Pin	1				45 44 (	05 30 3148 4732
32	RV	Release Knob	1				1 1	30 31 48 47 32
33	X	Steel Ball	2				<b></b>	
34	Х	Steel Ball	2				46	28
35	X	Spring	2				•	
36	X	Washer	2					04 03 02 01 11 12 29
37	Х	Valve Cover Screw	2				_// •///	
38	X	Steel Ball	1					11 56
39	Х	Spring End Cap	1	57	56 09 08	07 06 03	< ///	
40	Х	O-Ring	2	]	1 1 1		<b>X</b> // /	NOTE: ITEMS MARKED "RV" ONLY AVAILABLE AS RELEASE VALVE
41	Х	Overload Cover Screw	1					ASSEMBLY. ITEM 58
42	Х	Сар	2	]				NOTE: ITEMS MARKED "X" SUPPLIED IN KIT HP232TP1-K ONLY
43	Х	Short Separator Spring	1					NOTE: THE ISTIMINED A SOFT LIED IN NOT HE 25211 IN ONE
44	Х	Air Release Screw	1				No	OTE: WHEN REPLACING WITH NEW ITEM NO. 58 - HP211-52, ITEM NO. 11
45	X	Vent Screw	1					STEEL BALL TO BE REMOVED.
								IMPORTANT
						•	14/	HEN ORDERING SPARES YOU MUST STATE THE FULL PART NUMBER AND THE
	.: <i>C</i>				V ~		VV	PRODUCT SERIAL NUMBER - FROM THE LABEL
vw.r	11-TOP	ce.com		G				TO PROTECT YOUR WARRANTY ALWAYS USE GENUINE HI-FORCE PARTS