

HPP PETROL ENGINE DRIVEN PUMPS

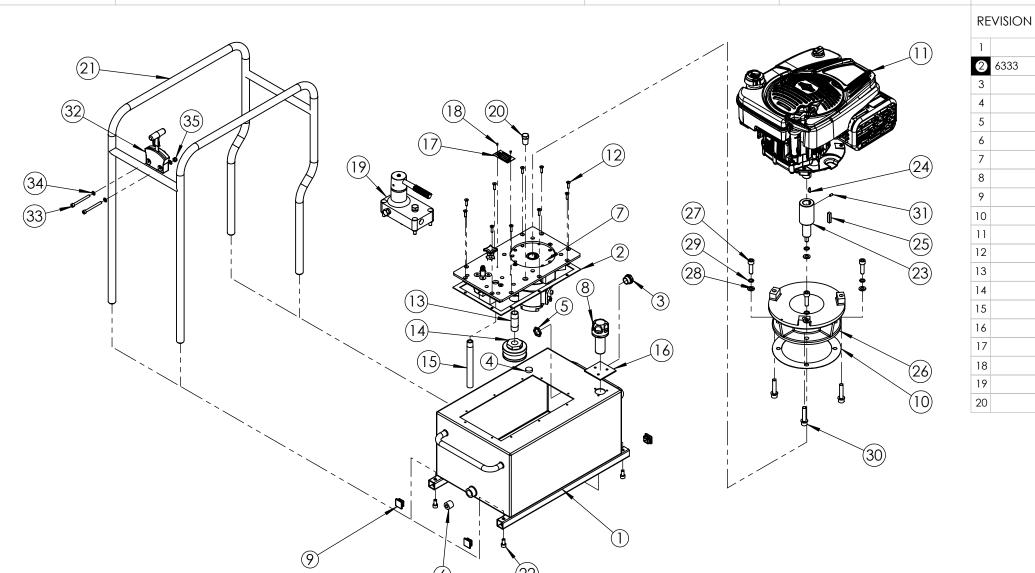
SERIAL NUMBERS

ALL

PRODUCT NO.

HPP21022

SHT 1 OF 2 SHTS



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.



HPP PETROL ENGINE DRIVEN PUMPS

SERIAL NUMBERS

ALL

PRODUCT NO. HPP21022

SPARE SERVICE

SHT 2 OF 2 SHTS

REVISION

2 6333

3

4 5

6

7 8

9

10

11 12

13

14 15

16

17

18 19 20

| ITEM NO. | PART NUMBER | DESCRIPTION | QTY. | SPARE PARTS | SERVICE PARTS | ITEM NO. |
|----------|-------------|--|------|----------------|------------------|----------|
| 1 | TAC025AS001 | 25L TANK | 1 | | | 23 |
| 2 | 15482 | TANK GASKET | 1 | X | 1 | 24 |
| 3 | BLC021YT010 | SIGHT GLASS HGF.13 BLACK OIL LEVEL INDICATOR | 2 | | | 25 |
| 4 | DCSF00328 | DOUBLE SIDED MAGNET | 1 | | | 26 |
| 5 | NUC021-B000 | 1/2" BSP LOCK NUT | 2 | | | 27 |
| 6 | FPC013PC001 | 1/2" BSP PLUG - HEX SOCKET | 1 | | | 28 |
| 7 | TYPE200-24 | 200 SERIES PUMP UNIT | 1 | | | 29 |
| 8 | FFC028PZ001 | FILLER/BREATHER | 1 | | | 30 |
| 9 | BPC025KP001 | 1" SQ RIBBED INSERT BLACK | 4 | | | 31 |
| 10 | SEC001KT003 | GASKET | 1 | X | ✓ | 32 |
| 11 | PE1_4.5 | PETROL MOTOR | 1 | | | 33 |
| 12 | BLC005HF020 | M5 x 20 mm HEX SOCKET COUNTERSUNK SCREW | 10 | | | 34 |
| 13 | FPC013AC001 | BARREL NIPPLE | 1 | | | 35 |
| 14 | FFC045MZ001 | FILTER | 1 | | | |
| 15 | TAC000PA001 | 160 mm LONG SUCTION PIPE | 1 | | | NC |
| 16 | SFC065FA002 | BLANKING PLATE | 1 | | | - A |
| 17 | AAN000UP001 | 60 x 30 mm UNIVERSAL NAME PLATE | 1 | X | | (UN |
| 18 | FAS002HZ001 | NO.4 x 3/16 HAMMER DRIVE SCREW | 2 | | | - Al |
| 19 | PMV2 | 2 WAY, MANUALLY OPERATED PUMP MOUNTED DIRECTIONAL CONTROL | 1 | | | SER |

VALVE

3/8 NPT BLANKING PLUG

ROLL FRAME

M8 x 16 mm HEX SOCKET CAP HEAD

SCREW

1

| PART NUMBER | DESCRIPTION | QTY. | SPARE PARTS | SERVICE PARTS |
|-------------|------------------------------------|------|----------------|------------------|
| ACC000SB001 | QUILL SHAFT ADAPTOR | 1 | | |
| °CC004WC001 | SHAFT KEY | 1 | | |
| PCC008KE001 | SHAFT KEY | 1 | | |
| CSC222AS001 | ENGINE FLANGE | 1 | | |
| BLC010LB035 | M10 x 35 SOCKET CAP HEAD SCREW | 4 | | |
| VAC010AB000 | M10 ZINC PLATED FLAT WASHER | 7 | | |
| WAC010BZ000 | M10 SPRING WASHER | 7 | | |
| BLC010LB050 | M10 x 50 SOCKET CAP HEAD SCREW | 3 | | |
| AS005ME010 | SOCKET CUP PT SCREW M5 x 10 | 1 | | |
| иСС000PT001 | THROTTLE | 1 | | |
| BLC006JD065 | M6 X 65 HEX SOCKET CAP HD SCREW | 2 | | |
| VAC006AF000 | M6 ZINC WASHER | 4 | | |
| 40C006JC000 | M6 NYLOK NUT | 2 | | |

OTE:

- ALL PARTS ARE AVAILABLE TO BE ORDERED AS INDIVIDUAL SPARE PARTS INLESS MARKED WITH X.)
- ALL PARTS MARKED WITH ✓ARE AVAILABLE SERVICEABLE PARTS FOUND IN: RVICE KIT **HEP-SK1**
- FOR SUB ASSEMBLIES (ITEM NO.S 7 & 19) PLEASE REFER TO THEIR INDIVIDUAL EVD'S.

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

FPC010PN001

TAC025CS001

BLC008KD016

20

21

22

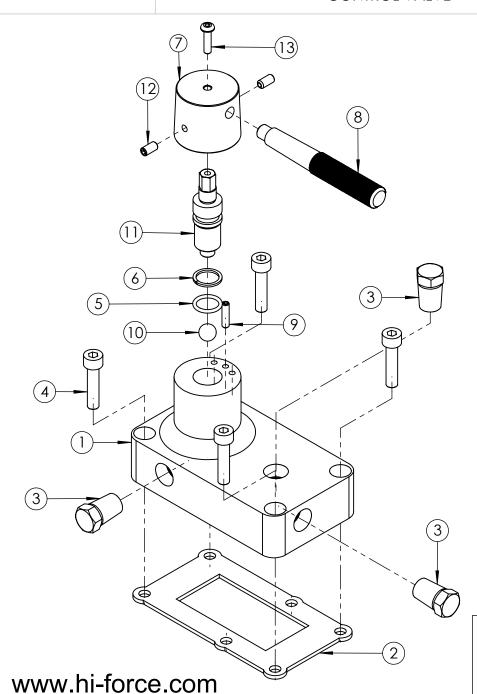


2 WAY, MANUALLY OPERATED PUMP MOUNTED DIRECTIONAL CONTROL VALVE

| SERIAL NUMBERS | PRODUCT NO. | VERSION |
|----------------|-------------|---------|
| | PMV2 | 01 |

SHT 1 OF

20



| TIEM NO. PART NUMBER DESCRIPTION | | | PMV2 | 01 | | | SHTS |
|--|----|-------------|-----------------------|------|----------------|----------|--------|
| 2 SEC003KT001 VALVE GASKET 1 2 3 FPC010PN001 3/8 NPT BLANKING PLUG 3 3 4 BLC008KD035 M8 x 35 mm HEX SOCKET CAP HEAD SCREW 4 5 5 SEC020RA001 O-RING - I.D. 15.60 mm, C.S. 2.4 mm, NITRILE 70 1 6 6 SEC020BA001 BACK UP RING 1 8 7 HLC046BM001 HANDLE BASE 1 X 9 8 HLC010BM002 PMV2 - HANDLE 1 X 10 9 FAS005MB001 M5 x 20 mm HEX SOCKET CUP PT SCREW 1 13 11 VFC010DR002 SPINDLE 1 X 14 12 FAS006MB012 M6 x 12 mm HEX SOCKET CUP PT SCREW 1 15 13 BLC005HH020 M5 x 20 mm HEX SOCKET BUTTON HEAD SCREW 1 17 18 19 | | PART NUMBER | DESCRIPTION | QTY. | SPARE PARTS | RE\ | VISION |
| 3 FPC010PN001 3/8 NPT BLANKING PLUG 3 4 BLC008KD035 M8 x 35 mm HEX SOCKET CAP HEAD SCREW 5 5 SEC020RA001 O-RING - I.D. 15.60 mm, C.S. 2.4 mm, NITRILE 70 6 6 SEC020BA001 BACK UP RING 1 8 7 HLC046BM001 HANDLE BASE 1 X 9 8 HLC010BM002 PMV2 - HANDLE 1 X 10 9 FAS005MB001 M5 x 20 mm HEX SOCKET CUP PT SCREW 1 1 13 11 VFC010DR002 SPINDLE 1 X 14 12 FAS006MB012 M6 x 12 mm HEX SOCKET CUP PT SCREW 1 15 13 BLC005HH020 M5 x 20 mm HEX SOCKET BUTTON HEAD SCREW 1 17 18 19 | 1 | VFC010BF014 | VALVE MOUNTING BLOCK | 1 | X | 0 | 5717 |
| 4 BLC008KD035 | 2 | SEC003KT001 | VALVE GASKET | 1 | | 2 | |
| 4 BLC008KD035 M6 x 33 Hiff HEX 30 CRET CAP 4 5 5 SEC020RA001 O-RING - I.D. 15.60 mm, C.S. 2.4 mm, NITRILE 70 1 6 6 SEC020BA001 BACK UP RING 1 8 7 HLC046BM001 HANDLE BASE 1 X 9 8 HLC010BM002 PMV2 - HANDLE 1 X 10 9 FAS005MB001 M5 x 20 mm HEX SOCKET CUP PT SCREW 1 11 12 10 BAC012SN001 12mm STEEL BALL 1 13 13 11 VFC010DR002 SPINDLE 1 X 14 12 FAS006MB012 M6 x 12 mm HEX SOCKET CUP PT SCREW 2 15 16 13 BLC005HH020 M5 x 20 mm HEX SOCKET BUTTON HEAD SCREW 1 17 18 | 3 | FPC010PN001 | 3/8 NPT BLANKING PLUG | 3 | | 3 | |
| 3 SEC020RA001 mm, NITRILE 70 1 7 6 SEC020BA001 BACK UP RING 1 8 7 HLC046BM001 HANDLE BASE 1 X 9 8 HLC010BM002 PMV2 - HANDLE 1 X 10 9 FAS005MB001 M5 x 20 mm HEX SOCKET CUP PT SCREW 1 11 11 10 BAC012SN001 12mm STEEL BALL 1 13 13 11 VFC010DR002 SPINDLE 1 X 14 12 FAS006MB012 M6 x 12 mm HEX SOCKET CUP PT SCREW 2 15 13 BLC005HH020 M5 x 20 mm HEX SOCKET BUTTON HEAD SCREW 1 17 18 19 | 4 | BLC008KD035 | | 4 | | | |
| 6 SEC020BA001 BACK UP RING 1 8 7 HLC046BM001 HANDLE BASE 1 X 9 8 HLC010BM002 PMV2 - HANDLE 1 X 10 9 FAS005MB001 M5 x 20 mm HEX SOCKET CUP PT SCREW 1 11 11 12 10 BAC012SN001 12mm STEEL BALL 1 13 13 11 VFC010DR002 SPINDLE 1 X 14 12 FAS006MB012 M6 x 12 mm HEX SOCKET CUP PT SCREW 2 15 13 BLC005HH020 M5 x 20 mm HEX SOCKET BUTTON HEAD SCREW 1 17 18 19 | 5 | SEC020RA001 | | 1 | | | |
| 7 HLC046BM001 HANDLE BASE 1 X 9 8 HLC010BM002 PMV2 - HANDLE 1 X 10 9 FAS005MB001 M5 x 20 mm HEX SOCKET CUP PT SCREW 1 11 12 10 BAC012SN001 12mm STEEL BALL 1 13 13 11 VFC010DR002 SPINDLE 1 X 14 12 FAS006MB012 M6 x 12 mm HEX SOCKET CUP PT SCREW 2 15 16 13 BLC005HH020 M5 x 20 mm HEX SOCKET BUTTON HEAD SCREW 1 17 18 19 | 6 | SEC020BA001 | BACK UP RING | 1 | | <u> </u> | |
| 9 FAS005MB001 | 7 | HLC046BM001 | HANDLE BASE | 1 | X | - | |
| 9 FAS003MB001 SCREW 1 12 10 BAC012SN001 12mm STEEL BALL 1 13 11 VFC010DR002 SPINDLE 1 X 14 12 FAS006MB012 M6 x 12 mm HEX SOCKET CUP PT SCREW 2 15 13 BLC005HH020 M5 x 20 mm HEX SOCKET BUTTON HEAD SCREW 1 17 18 19 | 8 | HLC010BM002 | PMV2 - HANDLE | 1 | X | 10 | |
| 11 VFC010DR002 SPINDLE 1 X 14 12 FAS006MB012 M6 x 12 mm HEX SOCKET CUP PT SCREW 2 15 16 13 BLC005HH020 M5 x 20 mm HEX SOCKET BUTTON HEAD SCREW 1 17 18 19 19 14 19 19 10 14 10 | 9 | FAS005MB001 | | 1 | | | |
| 12 FAS006MB012 M6 x 12 mm HEX SOCKET CUP PT 2 15 16 16 13 BLC005HH020 M5 x 20 mm HEX SOCKET BUTTON 1 17 18 19 | 10 | BAC012SN001 | 12mm STEEL BALL | 1 | | 13 | |
| 12 FAS006MB012 M6 x 12 min flex 30 cker coll 11 2 13 BLC005HH020 M5 x 20 mm HEX SOCKET BUTTON HEAD SCREW 1 18 19 | 11 | VFC010DR002 | SPINDLE | 1 | X | 14 | |
| 13 BLC005HH020 M5 x 20 mm HEX SOCKET BUTTON 1 17 18 19 | 12 | FAS006MB012 | | 2 | | | |
| 18 | 13 | BLC005HH020 | | 1 | | 17 | |
| | | | | 1 | 1 | | |

NOTE:

- ALL PARTS ARE AVAILABLE TO BE ORDERED AS SPARE PARTS (UNLESS MARKED WITH \boldsymbol{x}).

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.

SERIAL NUMBERS

PRODUCT NO. TYPE200-24

SHT 1 OF 2 SHTS

REVISION

1 5717

2 5866 3 5939

3 5939

5

7

9

10

11

13

15

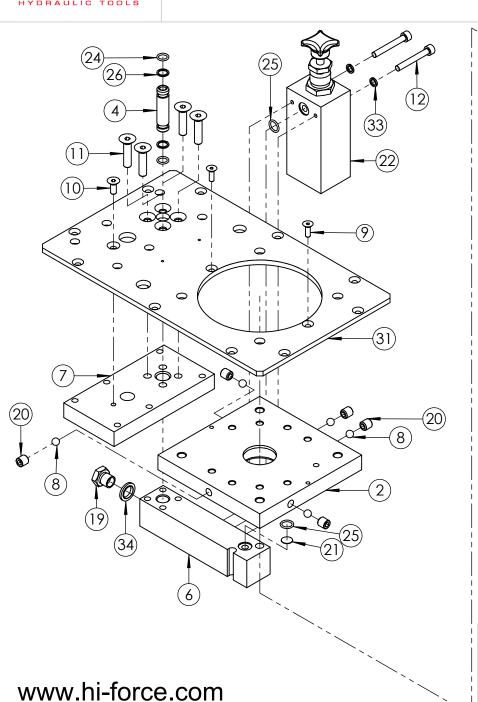
16

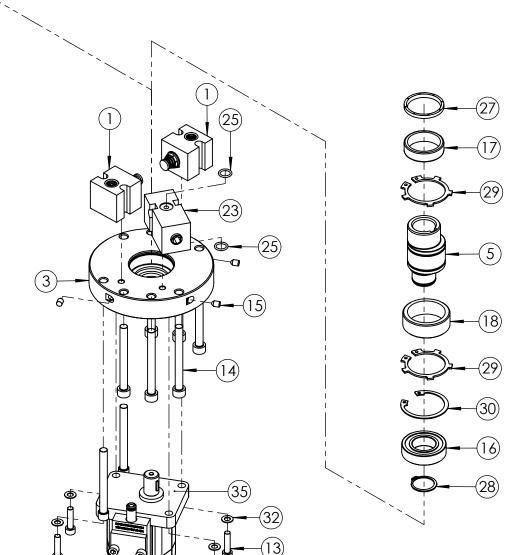
18

20

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.







200 SERIES PUMP UNIT

SERIAL NUMBERS PRODUCT NO. TYPE200-24

SHT 2 OF 2 SHTS

16

17

18 19

20

| ITEM NO. | PART NUMBER | DESCRIPTION | QTY. | SPARE PARTS | SERVICI PARTS |
|-------------|-------------|---|------|----------------|------------------|
| 1 | 15494-A | PISTON BLOCK ASSEMBLY | 2 | | |
| 2 | 15497 | UPPER PLATE | 1 | | |
| 3 | 15499 | LOWER PLATE | 1 | | |
| 4 | 15503 | CONNECTOR PIPE | 1 | | |
| 5 | 15505 | 24mm DRIVE SHAFT | 1 | | |
| 6 | 17587 | TRANSFER BLOCK | 1 | | |
| 7 | 17588 | VALVE PLATE | 1 | | |
| 8 | BAC008SN000 | Ø8 mm STEEL BALL GRADE 100 | 5 | | |
| 9 | BLC005HF016 | M5 x 16 mm HEX SOCKET COUNTERSUNK SCREW | 2 | | |
| 10 | BLC006JE016 | M6 x 16 mm HEX SOCKET COUNTERSUNK SCREW | 1 | | |
| 11 | BLC008KF035 | M8 x 35 mm HEX SOCKET COUNTERSUNK SCREW | 4 | | |
| 12 | BLC006JC045 | M6 x 45 mm HEX SOCKET CAP HEAD SCREW | 2 | | |
| 13 | BLC006JD025 | M6 x 25 mm HEX SOCKET CAP HEAD SCREW | 4 | | |
| 14 | BLC008KC080 | M8 x 80 mm HEX SOCKET CAP HEAD SCREW | 6 | | |
| 15 | BPC006RS001 | SEALING PLUG | 3 | | |
| 16 | BSC025MC001 | LOWER PLATE BEARING | 1 | | |
| 17 | BSC035NC001 | UPPER PLATE BEARING | 1 | | |
| 18 | BSC040ND001 | ECCENTRIC BEARING | 1 | | |
| 19 | FAS006GJ010 | 1/4" BSP HEX HEAD BLANKING PLUG | 1 | | |
| 20 | FAS010MA010 | M10 X 10 CUP POINT GRUB SCREW | 5 | | |
| 21 | FFC012MA001 | SUCTION FILTER | 1 | | |
| 22 | HPRV1 | HIGH PRESSURE R/VALVE | 1 | | |
| 23 | LPRV1 | LOW PRESSURE R/VALVE | 1 | | |
| 24 | SEC013RA001 | O-RING - I.D. 9.25mm, C.S. 1.78mm, NITRILE 90 | 2 | | 1 |
| 25 | SEC014RF001 | O-RING - I.D. 10.82 mm, C.S. 1.78 mm, NITRILE 90 | 4 | | 1 |

| ITEM NO. | PART NUMBER | DESCRIPTION | QTY. | SPARE PARTS | SERVICE PARTS | RE | VISION |
|-------------|-------------|---|------|----------------|------------------|--------|--------------|
| 26 | SEC013BA001 | BACK-UP RING - PTFE, SOLID SPLIT | 2 | | ✓ | 1 | 5717 5866 |
| 27 | SEC035WE001 | UPPER PLATE OIL SEAL | 1 | | | (3) | |
| 28 | STC025AA001 | EXTERNAL CIRCLIP - 25 x 1.2 mm D1400/025 | 1 | | | 4 | |
| 29 | STC040AA001 | EXTERNAL CIRCLIP - 40 x 1.75 mm D2100/0400 | 2 | | | 6 | |
| 30 | STC047BA001 | INTERNAL CIRCLIP - 47 x 1.75 mm D1300/0470 | 1 | | | 7 8 | |
| 31 | TAC000BA003 | COVER PLATE | 1 | | | 9 | |
| 32 | WAC006AF000 | M6 ZINC WASHER | 4 | | | 10 | |
| 33 | WAC006BC001 | M6 SPRING ZINC WASHER | 2 | | | 11 | |
| | | (SQUARE SECTION) | | | | 12 | |
| 34 | WAC007HD000 | 1/4" BSP SELF CENTERING BONDED WASHER | 1 | | | 13 | |
| 35 | PMA048GZ001 | GP48 GEAR PUMP ASSEMBLY | 1 | | | 14 | |
| | | | | | | 15 | |
| | | | | | | | |

NOTE:

- ALL PARTS ARE AVAILABLE TO BE ORDERED AS SPARE PARTS (UNLESS MARKED WITH x).
- ONLY PARTS MARKED WITH ✓ARE AVAILABLE AS BOTH SPARE PARTS OR SERVICEABLE PARTS, FROM HEP-SK1 PUMP SERVICE KIT. (REFER TO HEP-SK1: PUMP SERVICE KIT EVD FOR FULL PARTS LIST)
- IF ITEM NO. 23 (LPRV1) IS ORDERED AS A SPARE PART, THIS ALREADY COMES WITH 2 OFF ITEM NO. 25 (SEC014RF001). THEREFORE THESE ARE NOT REQUIRED TO BE ORDERED SPERATELY.
- FOR SUB ASSEMBLIES ITEM NO. 1 (15494-A) & ITEM NO. 35 (PMA048GZ001) REFER TO THEIR INDUVIDUAL EVD'S.

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