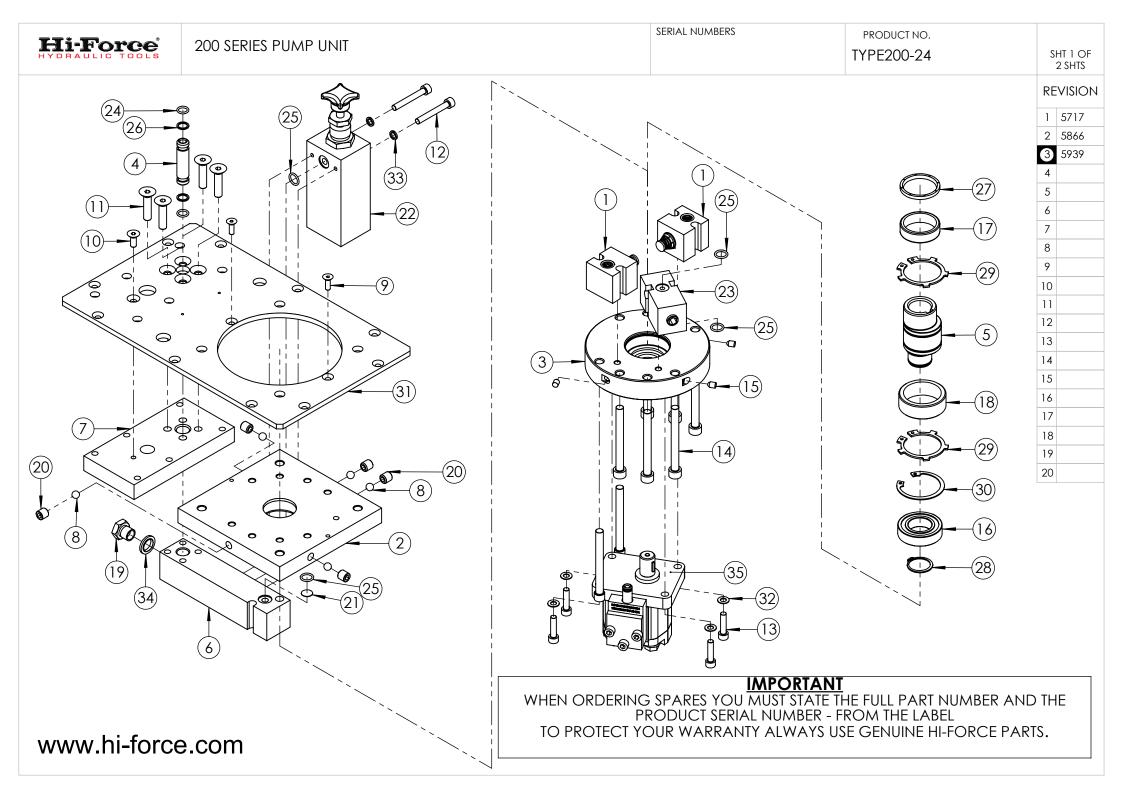


| | i-Force | | E, ELEO | CTRIC VALVE | DRIVEN | , MED | IUM FLOW PUI | MP | 1 | produc HEP207 | | SHT 2 (2 SHT |
|-------------|----------------|--|---------|----------------|------------------|-------------|---------------|---|--------|------------------|------------------|------------------|
| ITEM NO. | PART NUMBER | DESCRIPTION | QTY. | SPARE PARTS | Service Parts | ITEM NO. | PART NUMBER | DESCRIPTION | QTY. | SPARE PARTS | SERVICE PARTS | REVISI |
| 1 | TAC010AS012 | 10L Tank | 1 | | | 27 | BLC005HF020 | M5 x 20 mm HEX SOCKET COUNTERSUNK SCREW | 10 | | | 1 571 |
| 2 | BLC021YT010 | SIGHT GLASS HGF.13 BLACK OIL LEVEL INDICATOR | 2 | | | 28 | 15482 | TANK GASKET | 1 | | 1 | 2 614 |
| 3 | DCSF00328 | DOUBLE SIDED MAGNET | 1 | | | 29 | BPC010SP002 | FILLER | 1 | | | 3 |
| 4 | FPC013PC001 | 1/2" BSP PLUG - HEX SOCKET | 1 | | | 30 | TAC000FS003 | MOUNTING PLATE | 1 | | | 4 |
| 5 | NUC021-B000 | 1/2" BSP LOCK NUT | 2 | | | 31 | NUC008KC000 | M8 NYLOC NUT | 4 | | | 5 |
| 6 | BPC025KP001 | 1" SQ RIBBED INSERT BLACK | 4 | | | 32 | TAC000FS004 | HOUSING | 1 | | | 7 |
| 7 | TAC010CS002 | 10L ROLL FRAME | 1 | | | 33 | BLC006JH010 | M6 X 10 mm BUTTON HEAD HEX SOCKET SCREW | 8 | | | 8 |
| 8 | BLC008KD020 | M8 x 20 mm HEX SOCKET CAP HEAD SCREW | 4 | | | 34 | WAC006AF000 | M6 ZINC WASHER | 8 | | | 9 |
| 9 | WAC008AB000 | M8 PLAIN WASHER | 8 | | | 35 | WAC006BC001 | M6 SPRING ZINC WASHER (SQUARE SECTION) | 4 | | | 10 |
| 10 | WAC008BB000 | M8 ZINC PLATED SPRING WASHER | 4 | | | 36 | ANC015PC001 | CABLE CLIP BLACK SCREW | 4 | | | 11 |
| 11 | TYPE200-24 | 200 SERIES PUMP UNIT | 1 | | | | | POLYACETAL CABLE CLIP, 15mm 12.7mm ID BLACK PVC OPEN | | | | 12 |
| 12 | EM110-1.1-4LAF | AMME (HIGH STARTING TORQUE), POWER 1.1kw, SPEED 4 POLE | 1 | | | 37 | SEC013EH001 | GROMMET | 1 | | | 14 |
| 13 | SEC001KT003 | GASKET | 1 | | 1 | 38 | SEC010EH001 | 9.5mm ID BLACK PVC OPEN GROMMET | 2 | | | 15 |
| 14 | FAS010MW050 | M10 x 50 DOUBLE ENDED THREADED STUD | 4 | | | | | | | | | 16 |
| 15 | WAC010AB000 | M10 ZINC PLATED FLAT WASHER | 4 | | | 1 | | | | | | 17 |
| 16 | NUC010LC000 | M10 NYLOC NUT | 4 | | | 1 | <u>NOTE:</u> | | | | | 19 |
| 17 | NUC020LS002 | GLAND 6-12MM | 1 | | | | - ALL PARTS A | RE AVAILABLE TO BE ORDERED | AS SF | PARE PA | RTS (UNLESS | 20 |
| 18 | EMA110UF002 | MOTOR STARTER ASSEMBLY | 1 | | | 1 | MARKED WIT | Ή Χ). | | | | |
| 19 | EMA024TB001 | POWER SUPPLY ASSY | 1 | | | | | MARKED WITH √ ARE AVAILABI | | | | |
| 20 | PMV4SD | 4 WAY, ELECTRICALLY OPERATED, PUMP MOUNTED DIRECTIONAL CONTROL VALVE | 1 | | | | OR SERVICEA | ABLE PARTS, FROM HEP-SK1 PU MP SERVICE KIT EVD FOR FULL F | MP SE | RVICE K | | |
| 21 | PGP063AK001 | HEP & HAP PRESSURE GAUGE ASSEMBLY | 1 | | |] | | | | | | |
| 22 | AAN000UP001 | 60 x 30 mm UNIVERSAL NAME PLATE | 1 | x | | | - FOR SUB ASS | EMBLIES (ITEM NO.S 11,18,19, 2 IDUAL EVD's. | 20 & 2 | I) FLEA | DE KEFEK IU | |
| 23 | FAS002HZ001 | NO.4 x 3/16 HAMMER DRIVE SCREW | 2 | | | | | | | | | |
| 24 | TAC000PA001 | 160 mm LONG SUCTION PIPE | 1 | | | | | | | | | |
| 25 | FPC013AC010 | 1/2" BSPT SUCTION PIPE | 1 | | | | | | | | | |
| 26 | FFC045MZ001 | FILTER | 1 | | |] \ | WHEN ORDERI | NG SPARES YOU MUST STAT PRODUCT SERIAL NUMBER | TE THE | | | R AND THE |

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ΗE TO PROTECT YOUR WARRANTY ALWAYS USE GENUINE HI-FORCE PARTS.



| ITEM NO. | PART NUMBER | DESCRIPTION | QTY. | SPARE PARTS | SERVICE 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 | FA\$006GJ010 | 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 | | ~ |
| 25 | SEC014RF001 | O-RING - I.D. 10.82 mm, C.S. 1.78 mm, NITRILE 90 | 4 | | ✓ |

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| | | | | | | | | | 2 SHTS |
|-------------|-------|---------|--------------------------------------|---------|------|----------------|------------------|----------|--------------|
| ITEM NO. | PART | NUMBER | DESCRIPTION | | QTY. | SPARE PARTS | SERVICE PARTS | RE | VISION |
| 26 | SEC01 | 3BA001 | BACK-UP RING - PTFE SPLIT | , solid | 2 | | ✓ | 1 | 5717 5866 |
| 27 | SEC03 | 5WE001 | UPPER PLATE OIL S | SEAL | 1 | | | 3 | |
| 28 | STC02 | 5AA001 | EXTERNAL CIRCLIP - 2 mm D1400/02 | | 1 | | | 4 | |
| 29 | STC04 | 0AA001 | EXTERNAL CIRCLIP - 4 mm D2100/040 | | 2 | | | 5 6 | |
| 30 | STC04 | 7BA001 | INTERNAL CIRCLIP - 4 mm D1300/047 | | 1 | | | 7 8 | |
| 31 | TAC00 |)0BA003 | COVER PLATE | | 1 | | | 9 | |
| 32 | WAC0 | 06AF000 | M6 ZINC WASH | ER | 4 | | | 10 | |
| 33 | WACO | 06BC001 | M6 SPRING ZINC W. (SQUARE SECTIO | | 2 | | | 11 12 | |
| 34 | WAC00 | 07HD000 | 1/4" BSP SELF CENTI BONDED WASH | | 1 | | | 13 | |
| 35 | PMA04 | 48GZ001 | GP48 GEAR PUMP AS | SEMBLY | 1 | | | 14 15 | |
| | | | | | | | | 10 | |

NOTE:

- ALL PARTS ARE AVAILABLE TO BE ORDERED AS SPARE PARTS (UNLESS MARKED WITH X).

SERIAL NUMBERS

- 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.

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.

SHT 2 OF

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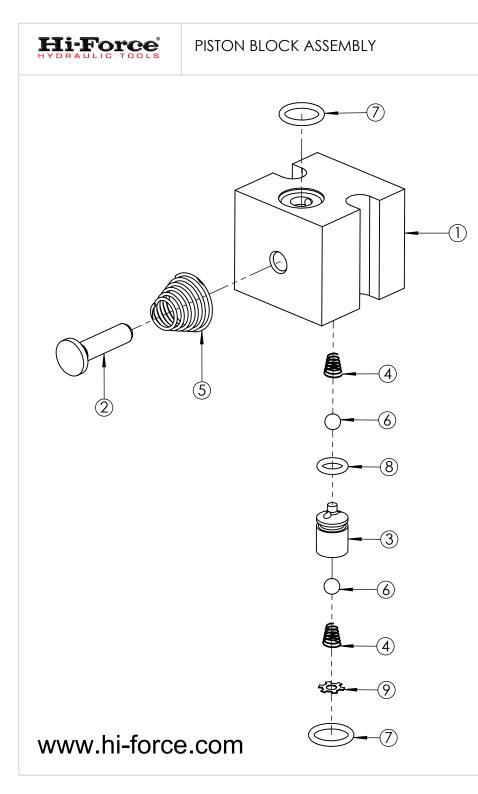
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PRODUCT NO.

TYPF200-24



| | SERIAL NUMBERS | | PRODUCT NO. | | | VE | rsion | | |
|--------------------|--------------------------|-------------------------------|-------------|------|-------------|----|------------------|---------|-------------------|
| | | | 15494-A | | | C |)1 | | ht 1 Of 1 Shts |
| ITE <i>I</i> NC | ^M PART NUMBER | DESCRI | PTION | QTY. | SPAR PAR | | SERVICE PARTS | RE | VISION |
| 1 | 15494 | PISTON E | BLOCK | 1 | X | | | 1 | 5717 |
| 2 | 15495 | PISTO | N | 1 | X | | | 2 | 5866 |
| 3 | 15496 | VALVE | SEAT | 1 | X | | | 3 | |
| 4 | 15509 | SUCTION/DELIV | /ery spring | 2 | X | | | 4 | |
| 5 | 15508 | PUMP SF | PRING | 1 | X | | | 5 | |
| 6 | BAC005SN000 | Ø5 mm STEEL E 100 | | 2 | X | | | 6 | |
| 7 | SEC014RF001 | O-RING - I.D. C.S. 1.78 mm | | 2 | | | ✓ | 8 | |
| 8 | SEC010RA001 | O-RING - I.D. 6 1.78 mm, N | | 1 | X | | | 9 10 | |
| 9 | STC008SA001 | N1305-0031 SE RIN | | 1 | X | | | 11 | |
| L | 1 | 1 | | | | - | | 12 | |

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<u>NOTE:</u>

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

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.

PMA048GZ001

SHT 1 OF 3 SHTS

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| | 1) |
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| | |
| | <u>NOTE:</u> |
| | - ALL PA |
| | - ONLY F SK1 PU |
| | - POSITI SUPPLI |
| | - ITEM N HPP PI |

| ITEM NO.PART NUMBERDESCRIPTIONQTY.SPARE PARTSSERVICE PARTSREVISION1GP48GEAR PUMP11159392PMC000TM001TRANSFER PLATE1125983315510ACONNECTOR TUBE11314SEC010RA001O-RING - I.D. 6.35 mm, C.S. 1.78 mm, NITRILE 702✓555SEC019RF002O-RING - I.D. 15.60, C.S. 1.78mm, NITRILE 902✓666PMC000XM001SEALING PLATE11817BLC006JD030M6 x 30 mm HEX SOCKET CAP HEAD SCREW3111815507ADAPTOR11119PCC002WC001KEY TO FIT 200/300 PUMPS1111110FAS008SP080M8 X 80 HEX SOCKET REDUCED CAP HEAD SCREW (FULLY THREADED)2131311FPA013DC001GEAR PUMP ELBOW (INC WITH GEAR PUMP)1X14 | | | | 1 / • 0 | 10-10 | 02001 | | | 3 SHTS |
|---|----|--------------|--------------------|-----------|-------|-------|---|----|--------|
| 1 GP48 GEAR PUMP 1 <t< td=""><td></td><td>PART NUMBER</td><td>DESCRIPTIC</td><td>N</td><td>QTY.</td><td></td><td></td><td>RE</td><td>VISION</td></t<> | | PART NUMBER | DESCRIPTIC | N | QTY. | | | RE | VISION |
| 2 IMACOUNIMOUT INANSFERTEXTE 1 3 3 15510A CONNECTOR TUBE 1 3 4 SEC010RA001 O-RING - I.D. 6.35 mm, C.S. 1.78 mm, NITRILE 70 2 6 5 SEC019RF002 O-RING - I.D. 15.60, C.S. 1.78mm, NITRILE 90 2 7 6 PMC000XM001 SEALING PLATE 1 8 7 BLC006JD030 M6 x 30 mm HEX SOCKET CAP HEAD SCREW 3 9 8 15507 ADAPTOR 1 10 9 PCC002WC001 KEY TO FIT 200/300 PUMPS 1 11 10 FAS008SP080 CAP HEAD SCREW (FULLY THREADED) 2 13 11 FPA013DC001 GEAR PUMP ELBOW (INC WITH GEAR PUMP) 1 X 15 | 1 | GP48 | GEAR PUM | P | 1 | | | 1 | 5939 |
| 3 10010/1 CONNECTOR TUBE 1 4 4 SEC010RA001 O-RING - I.D. 6.35 mm, C.S. 1.78 mm, NITRILE 70 2 5 5 SEC019RF002 O-RING - I.D. 15.60, C.S. 1.78mm, NITRILE 90 2 7 6 PMC000XM001 SEALING PLATE 1 8 7 BLC006JD030 M6 x 30 mm HEX SOCKET CAP HEAD SCREW 3 9 8 15507 ADAPTOR 1 10 9 PCC002WC001 KEY TO FIT 200/300 PUMPS 1 11 10 FAS008SP080 M8 X 80 HEX SOCKET REDUCED CAP HEAD SCREW (FULLY THREADED) 2 13 11 FPA013DC001 GEAR PUMP ELBOW (INC WITH GEAR PUMP) 1 X 15 | 2 | PMC000TM001 | TRANSFER PL | ATE | 1 | | | 2 | 5983 |
| 15510BCONNECTOR TUBE144SEC010RA001O-RING - I.D. 6.35 mm, C.S. 1.78 mm, NITRILE 70255SEC019RF002O-RING - I.D. 15.60, C.S. 1.78mm, NITRILE 90276PMC000XM001SEALING PLATE187BLC006JD030M6 x 30 mm HEX SOCKET CAP HEAD SCREW39815507ADAPTOR1109PCC002WC001KEY TO FIT 200/300 PUMPS11110FAS008SP080M8 X 80 HEX SOCKET REDUCED CAP HEAD SCREW (FULLY THREADED)21311FPA013DC001GEAR PUMP ELBOW (INC WITH GEAR PUMP)1X15 | 0 | 15510A | CONNECTOR | TUBE | 1 | | | 3 | |
| 4 SECUTORAUDI mm, NITRILE 70 2 4 6 5 SEC019RF002 O-RING - I.D. 15.60, C.S. 1.78mm, NITRILE 90 2 7 6 6 PMC000XM001 SEALING PLATE 1 8 7 6 PMC000XM001 SEALING PLATE 1 8 9 7 BLC006JD030 M6 x 30 mm HEX SOCKET CAP HEAD SCREW 3 9 10 8 15507 ADAPTOR 1 10 11 9 PCC002WC001 KEY TO FIT 200/300 PUMPS 1 11 12 10 FAS008SP080 M8 X 80 HEX SOCKET REDUCED CAP HEAD SCREW (FULLY THREADED) 2 13 13 11 FPA013DC001 GEAR PUMP ELBOW (INC WITH GEAR PUMP) 1 X 15 <td>3</td> <td>15510B</td> <td>CONNECTOR</td> <td>TUBE</td> <td>1</td> <td></td> <td></td> <td>4</td> <td></td> | 3 | 15510B | CONNECTOR | TUBE | 1 | | | 4 | |
| 5 SEC019RF002 O-RING - I.D. 15.60, C.S. 1.78mm, NITRILE 90 2 7 6 PMC000XM001 SEALING PLATE 1 8 7 BLC006JD030 M6 x 30 mm HEX SOCKET CAP HEAD SCREW 3 9 8 15507 ADAPTOR 1 10 9 PCC002WC001 KEY TO FIT 200/300 PUMPS 1 11 10 FAS008SP080 M8 X 80 HEX SOCKET REDUCED CAP HEAD SCREW (FULLY THREADED) 2 13 11 FPA013DC001 GEAR PUMP ELBOW (INC WITH GEAR PUMP) 1 X 15 | 4 | SEC010RA001 | | | 2 | | ~ | - | |
| 7 BLC006JD030 M6 x 30 mm HEX SOCKET CAP HEAD SCREW 3 9 8 15507 ADAPTOR 1 10 9 PCC002wC001 KEY TO FIT 200/300 PUMPS 1 11 10 FAS008SP080 CAP HEAD SCREW (FULLY THREADED) 2 13 11 FPA013DC001 GEAR PUMP ELBOW (INC WITH GEAR PUMP) 1 X 15 | 5 | SEC019RF002 | | | 2 | | ~ | Ŭ | |
| 7 BLC006JD030 MB W B CREW 3 9 8 15507 ADAPTOR 1 10 9 PCC002WC001 KEY TO FIT 200/300 PUMPS 1 11 9 PCC002WC001 KEY TO FIT 200/300 PUMPS 1 11 10 FAS008SP080 CAP HEAD SCREW (FULLY THREADED) 2 13 11 FPA013DC001 GEAR PUMP ELBOW (INC WITH GEAR PUMP) 1 X 15 | 6 | PMC000XM001 | SEALING PLA | ATE . | 1 | | | 8 | |
| 8 15507 ADAPIOR 1 1 1 9 PCC002WC001 KEY TO FIT 200/300 PUMPS 1 11 12 10 FAS008SP080 CAP HEAD SCREW (FULLY THREADED) 2 13 14 11 FPA013DC001 GEAR PUMP ELBOW (INC WITH GEAR PUMP) 1 X 15 | 7 | BLC006JD030 | | | 3 | | | 9 | |
| 9 PCC002WC001 KEY TO FIT 200/300 PUMPS 1 1 11 12 10 FAS008SP080 M8 X 80 HEX SOCKET REDUCED CAP HEAD SCREW (FULLY THREADED) 2 13 13 11 FPA013DC001 GEAR PUMP ELBOW (INC WITH GEAR PUMP) 1 X 15 | 8 | 15507 | ADAPTOR | R | 1 | | | 10 | |
| 10 FAS008SP080 M8 X 80 HEX SOCKET REDUCED CAP HEAD SCREW (FULLY THREADED) 2 13 11 FPA013DC001 GEAR PUMP ELBOW (INC WITH GEAR PUMP) 1 X 15 | 9 | PCC002WC001 | KEY TO FIT 200/300 | 0 PUMPS | 1 | | | | |
| 10 FAS008SP080 CAP HEAD SCREW (FULLY THREADED) 2 13 11 FPA013DC001 GEAR PUMP ELBOW (INC WITH GEAR PUMP) 1 X 14 | | | M8 X 80 HEX SOCKE | | | | | 12 | |
| 11 FPA013DC001 GEAR PUMP ELBOW (INC WITH GEAR PUMP) 1 X 15 | 10 | FAS008SP080 | CAP HEAD SCREV | V (FULLY | 2 | | | | |
| GEAR PUMP) | 11 | | GEAR PUMP ELBOW | (INC WITH | 1 | ~ | | | |
| 16 | 11 | FF AUISDCUUT | GEAR PUM | P) | 1 | X | | 15 | |
| | | | | | | | | 16 | |

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)

POSITION OF ITEM NO. 2 (PMC000TM001) IS TO BE DETERMINED BY THE BRAND OF THE GP48 GEAR PUMP SUPPLIED (REFER TO SHEET 2 FOR FURTHER DETAILS)

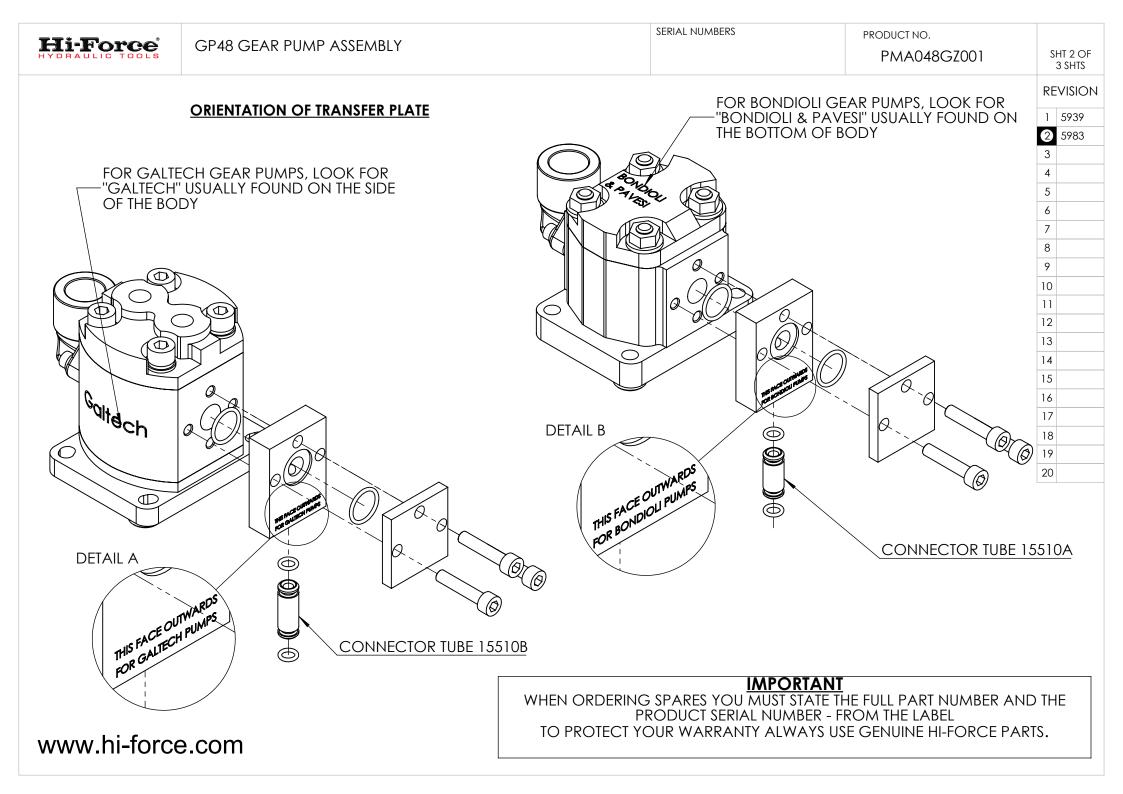
ITEM NO. 3 USED IS DETERMINED BY THE BRAND OF THE GP48 GEAR PUMP SUPPLIED FOR HEP, HAP AND HPP PUMPS WITH SERIAL NUMBERS EARLIER THAN **BR9070**. FOR BONDIOLI GEAR PUMPS USE CONNECTOR TUBE 15510A AND FOR GALTECH GEAR PUMPS USE CONNECTOR TUBE 15510B (REFER TO SHEET 2 FOR FURTHER DETAILS)

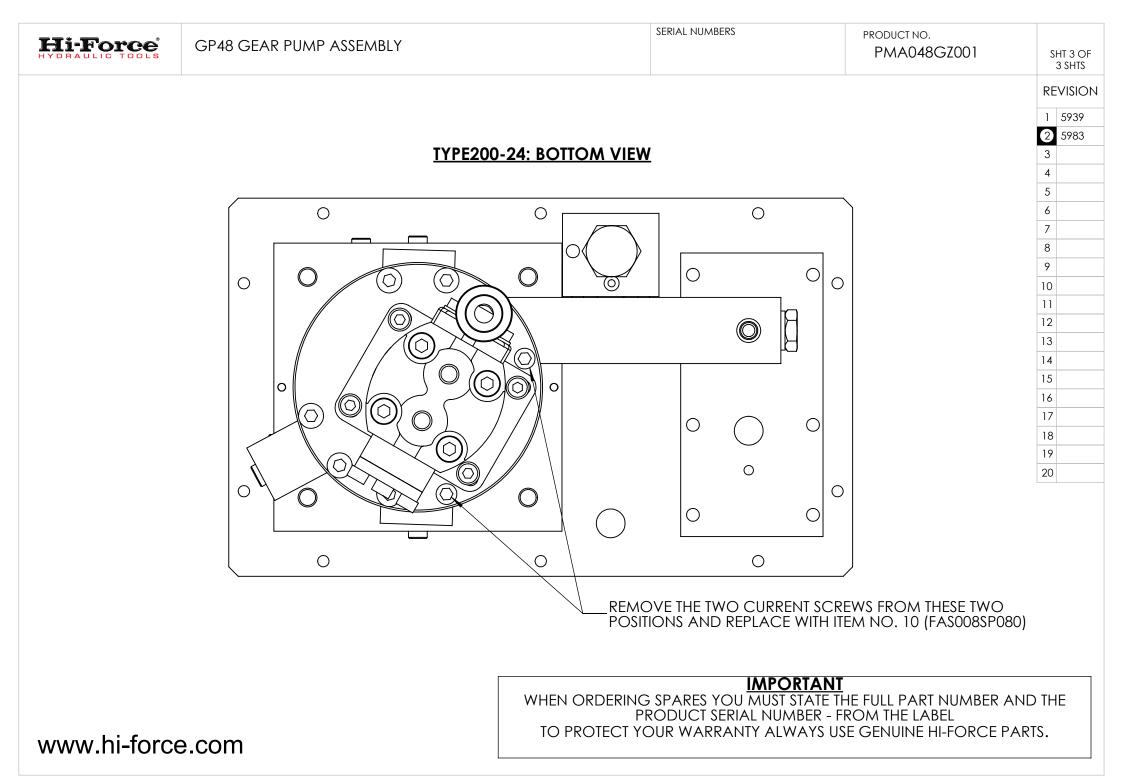
- ITEM NO.10 (FAS008SP080) ARE TO REPLACE TWO SCREWS (BLC008KC080) ON THE TYPE200-24, PRIOR TO FITTING PMA048GZ001 (REFER TO SHEET 3 FOR FURTHER DETAILS)

- INDIVIDUAL ITEMS ARE NOT AVAILABLE AS SPARE PARTS FOR HEP, HAP AND HPP PUMPS WITH SERIAL NUMBERS EARLIER THAN **BR9070**. GP48 GEAR PUMP ASSEMBLY (PMA048GZ001)WILL NEED TO BE ORDERED. INDIVIDUAL ITEMS APART FROM ITEM NO.11 ARE AVAILABLE AS SPARE PARTS FOR HEP, HAP AND HPP PUMPS WITH SERIAL NUMBERS ABOVE **BR9070**

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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| | | | S | SERIAL NUMBERS | PRODUCT NO. | ١ | /ersion | |
|--------------|------------------------|-------------|--|---|---------------------------------|------|----------------|--|
| HI-Force | MOTOR STARTER ASSEMBLY | | | | EMA110UF00 |)2 | 01 | SHT 1 OF 1 SHTS |
| | \sim | ITEM NO. | PART NUMBER | DESCRIPTIO | N | QTY. | SPARE PARTS | REVISION |
| | | 1 | EMC000EF001 | ENCLOSURE WITH PUSH E | SUTTONS P1MT | 1 | | 1 5717 |
| | H_{-} | 2 | EMC110KF001 | CONTACTOR 110 |) VOLT | 1 | | 2 |
| | | 3 | EMC230RF001 | OVERLOAD RELAY 1 | 3-18 AMPS | 1 | | 3 |
| | | 4 | EMC110XF001 | BRIDGING BA | ٨R | 1 | | 4 |
| | (1) (5) | 5 | NUC020LS002 | GLAND 6-12A | ١M | 2 | | 5 |
| | | 6 | CEC250CC000 | 3 CORE CABLE 2.5mm^2 | H07RN-F3G 2.5 | 1 | | 6 |
| | | 7 | CEC250CC000 | 3 CORE CABLE 2.5mm^2 | H07RN-F3G 2.5 | 1 | | 7 |
| | (12) | 8 | CEC250AC000 | SINGLE CORE TR-RATED C | CABLE 2.5 mm2 | 1 | | 8 |
| | | 9 | BLC004JD016 | M4 X 16 HEX SOCKET, CAI | P HEAD SCREW | 2 | | 9 |
| (12) - | | 10 | WAC004YB000 | M4 WASHER | ST | 2 | | 10 |
| (13) | | 11 | MCC110EP001 | 110V PLUG | | 1 | | 11 |
| 2 | | 12 | CEC250SX001 | BOOTLACE FERRULE (INSU GREY | ILATED) 2.5mm | 8 | | 12 13 |
| | | 13 | CEC250SX002 | TWIN BOOTLACE FERRU | JLE 2.5 mm ² | 3 | | 14 |
| | | | NOTE: - ALL PARTS AR (UNLESS MAR | E AVAILABLE TO BE ORDEREE (ED WITH X). |) AS SPARE PART | S | | 16 17 18 19 20 |
| www.hi-force | e.com | | PRC | <mark>IMPORTAN</mark> Spares you must state t Dduct serial number - JR warranty always u | THE FULL PART N ROM THE LABI | ΞL | | |

| ••• ••• •• | | S | SERIAL 1 | NUMBERS | | PRODUCT NO. | VERSION | |
|--------------|-------------------|-----------------|-------------|-----------------|--------------|------------------------------------|-------------------|--------------------|
| Hi-Force | POWER SUPPLY ASSY | | | | | EMA024TB001 | 01 | SHT 1 OF 1 SHTS |
| | \bigcirc | | ITEM NO. | PART NUMBER | | DESCRIPTION | QTY. SPAR PART | e Revision |
| 9 | | | 1 | EMC000XZ001 | | DIN RAIL | 1 | 1 5717 |
| | n <u> </u> | | 2 | EMC024TB001 | POWE | ER SUPPLY 24 V DC | 1 | 2 |
| | | | 3 | EMC000NZ001 | TE | RMINAL BLOCK | 5 | 3 |
| | | | 4 | EMC000NZ002 | EARTH | I TERMINAL BLOCK | 1 | 4 |
| | | | 5 | EMC024EB002 | DRIL | LED ENCLOSURE | 1 | 5 |
| | | | 6 | NUC016LS001 | M1 | 6 CABLE GLAND | 3 | - 6 - 7 |
| | | | 7 | NUC020LS002 | G | LAND 6-12MM | 2 | 8 |
| | | | 8 | EMC000VZ002 | HAND I ON | PENDANT (PENDANT NLY, NO CABLE) | 1 | 9 |
| | | λ | 9 | BLC004JD016 | M4 x 1 CA | 6 mm HEX SOCKET | 4 | 10 11 |
| // | |) | 10 | WAC004YB000 | Ν | 14 WASHER ST | 4 | 12 |
| | | | 11 | FAS003TV001 | M3 : | x 5 FORM SCREW | 2 | 13 |
| // (| | | 12 | CEC150DC000 | 4 COI | RE CABLE 1.5 mm2 107RN-F 4G1.5 | 1 | 14 |
| | | | 13 | CEC150CC000 | 3 C C | DRE 1.5mm CABLE | 1 | 16 17 |
| | | | 14 | CEC075CC000 | 3 CO | RE 0.75mm CABLE | 2 | 18 19 |
| | | WHEN ORDERING S | - A P. | ARTS (UNLESS M) | ARKED V | | | 20 2 THF |
| www.hi-force | e.com | PRC | DDUC | CT SERIAL NUM | BER - F | ROM THE LABEL | | |



4 WAY, ELECTRICALLY OPERATED, PUMP MOUNTED DIRECTIONAL CONTROL VALVE

(15)8 14) ◙ 12 6 Ð A 9 www.hi-force.com

| | OUNTED | SERIAL NUMBERS P | RODUCT NO. | • | | | | |
|-------------|-------------|---|------------|------|----------------|-------------------|----------|-------------------|
| VE | OUNILD | | PMV | 4S | D | | | ht 1 Of 1 Shts |
| ITEM NO. | PART NUMBER | DESCRIPTION | G | QTY. | SPARE PARTS | SERVIC E PARTS | RE | VISION |
| 1 | VFC010BT003 | VALVE BASE | | 1 | | | 1 | 5717 |
| 2 | V-8255 | CHECK VALVE | | 1 | | | 2 | 6165 |
| 3 | BLC006FC055 | 1/4" x 2 1/4" UNC HEX SOCKET CAP HEAD SC | CREW | 4 | | | 3 4 | |
| 4 | BLC008KC060 | M8 x 60 mm HEX SOCKET CAP HEAD SCR | EW | 6 | | | 5 | |
| 5 | PCC003RB006 | Ø3 x 12 mm SELLOCK PIN | | 1 | | | 6 | |
| 6 | FPC006PN002 | 1/4 NPT x 7/8 TAPER PLUG | | 1 | | | 7 | |
| 7 | FPC003PN001 | 1/8" x 3/4" NPT TAPER DRY SEAL PRESS PLU | JG | 3 | | | 8 9 | |
| 8 | VFA000CE005 | DIRECTIONAL CONTROL VALVE - TANDEM CEN DC | ITRE 24V | 1 | | | 10 | |
| 9 | SEC057RA001 | O-RING - I.D. 50.39 mm, C.S. 3.53 mm | | 1 | | \checkmark | 11 | |
| 10 | WAC006BC001 | M6 SPRING ZINC WASHER (SQUARE SECTIO | DN) | 4 | | | 12 | |
| 11 | BPC010SP004 | 3/8 NPT PLASTIC BLANKING PLUG (RED) | | 2 | | | 13 14 | |
| 12 | SEC011RF001 | O-RING, I.D. 7.66 mm, C.S. 1.78 mm, NITRIL | E 90 | 4 | | ✓ | 14 | |
| 13 | SEC011RF002 | O-RING - I.D. 7.66 mm, C.S. 1.78 mm, VITON 90 (| (BROWN) | 3 | | ✓ | 16 | |
| 14 | SEC014RF002 | O-RING - I.D. 10.82 mm C.S. 1.78 mm, VITON 90 | (BROWN) | 1 | | ✓ | 17 | |
| 15 | EMC240NE001 | BLACK RECTANGULAR POWER CONNECT | OR | 2 | | | 18 | |
| 16 | FPC010PN002 | 3/8" X 7/8" NPT SOCKET PLUG | | 1 | | | 19 | |
| | | | | | | | 20 | |

NOTE:

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11

- 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 DCV-S1: SERVICE KIT (SOLENOID VALVE) (REFER TO DCV-S1 EVD FOR FULL PARTS LIST).

- IF ITEM NO. 2 IS ORDERED AS A SPARE PART, THIS ALREADY COMES WITH ITEM NO. 12. THEREFORE THESE ARE NOT REQUIRED TO BE ORDERED SEPERATELY.

- IF ITEM NO. 8 IS ORDERED AS A SPARE PART, THIS ALREADY COMES WITH ITEM NO.S 13 & 14. THEREFORE THESE ARE NOT REQUIRED TO BE ORDERED SEPERATELY.

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.

| Hi-Force | HEP & HAP PRESSURE GAUGE ASSEMB | BLY | SERIA | L NUMBERS | PRODUCT NO. PGP063AK001 | VEI | rsion)] | SHT 1 OF 1 SHTS |
|--|---------------------------------|-----|----------------------|---------------|---|------|----------------|-------------------------------------|
| | | | ITEM NO. | PART NUMBER | DESCRIPTION | QTY. | SPARE PARTS | REVISION |
| | | | 1 | WAC005EC001 | M5 X 9 X 1.0 COPPER SEALING WASHER | 1 | | 5717 2 |
| | | | 2 | BLC006JH010 | M6 X 10 mm, HEX SOCKET, BUTTON HEAD SCREW | 1 | | 3 |
| | | | 3 | HF16 | ELBOW, 3/8" NPT FEMALE TO 3/8" NPT MALE | 1 | | 4 5 |
| | 5 | 7 | 4 | PGB063PF001 | FLANGE MOUNTED 700 Bar PRESSURE GAUGE | 1 | | 6 7 |
| | | | 5 | HOC006GB001 | 700 Bar GAUGE HOSE WITH 1/4"BSP CONE FEMALE FITTINGS | 1 | | 8 9 |
| | | | 6 | FPC010BN008 | M/M ADAPTOR 3/8 NPT x 1/4 BSP INT 60° CONE 1000 Bar (STAINLESS STEEL) | 1 | | 10 11 12 |
| (1) | 981 | J į | 7 | ANC013PC001 | 13mm BLACK STAINLESS STEEL P CLIP | 1 | | 13 |
| | | | 8 | FPC006BB002 | 700 Bar SS 1/4" BSPP x BSPP FIXED FEMALE GAUGE ADAPTOR | 1 | | 14 15 16 |
| 4 | -01- | Y | 9 | BLC003ZD010 | M3 X 10 mm HEX SOCKET CAP HEAD SCREW | 6 | | 17 18 |
| | | | 10 | NUC003UK001 | M3 FEMALE STEEL HEX STANDOFF 30mm LONG | 3 | | 19 |
| • • · · · · · · · · · · · · · · · · · · | | | 11 | SFC085HA001 | STRAIN RELIEF PLATE | 1 | | 20 |
| and the second s | 6 | | <u>Note</u> - All | | ilable to be ordered as s | PARE | PARTS | |
| | (3) | | (UNI | LESS MARKED W | ITH 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.

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| Hi-Force | PUMP SERVIC | CE KIT | | SERIAL NUM | 1BERS | | PRODUCT NO. HEP-SK1 | | SHT 1 OF 1 SHTS |
|--------------|-------------|--------------|--------|------------|--------------|---------------|---|------|---------------------------------------|
| | | | · | | ITEM NO. | PART NUMBER | DESCRIPTION | QTY. | |
| | | | | | 1 | 15482 | TANK GASKET | 1 | 1 5717 |
| | | | | | 2 | SEC010RA001 | O-RING - I.D. 6.35 mm, C.S. 1.78 mm, NITRILE 70 | 2 | 2 5939 3 |
| | | | (1) | | 3 | SEC014RF001 | O-RING - I.D. 10.82 mm, C.S. 1.78 mm, NITRILE 90 | 10 | |
| | | | | | 4 | SEC013RA001 | O-RING - I.D. 9.25mm, C.S. 1.78mm, NITRILE 90 | • 2 | 6 |
| | | | le le | | 5 | SEC019RF002 | O-RING - I.D. 15.60, C.S. 1.78mm, NITRILE 90 | 2 | 7 8 |
| | | | | | 6 | SEC013BA001 | BACK-UP RING - PTFE, SOLID SPLIT | 2 | 9 |
| | | 0 | | | 7 | SEC001KT003 | GASKET | 1 | 10 |
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| | | (6) (3) | | | | | | | 20 |
| www.hi-force | e.com | | PR | RODUCT | YOU SERIA | al number - F | I The full part number A FROM THE LABEL SE GENUINE HI-FORCE P | | |

| Hi-Force | SERVICE KIT (SOLENOID VALVE) | | | SERIAL | NUMBERS | PRODUCT | NO. VERS | SION | |
|----------------|------------------------------|--------------|----------------|----------------------|---|-----------------------------------|-----------------|------|-------------------------------------|
| YDRAULIC TOOLS | SERVICE KII (SOLENOID VALVE) | | | | | DCV-S1 | 1 (| 01 | SHT 1 OI 1 SHTS |
| | | | ITEM NO. | PART NUMB | ER | DESCRIPTION | | QTY. | REVISIC |
| | | | 1 | SEC014RF0 | 02 O-RING - I.D. 1 | 0.82 mm C.S. 1.7 (BROWN) | 78 mm, VITON 9 | 0 1 | 5717 2 |
| | | | 2 | SEC011RF0 | | 7.66 mm, C.S. 1.7 (BROWN) | | | 3 |
| | | (5) | 3 | SEC011RF0 | 01 O-RING, I.D. 7 | .66 mm, C.S. 1.78 | 3 mm, NITRILE 9 | 0 4 | 5 |
| | | | 4 | SEC006RA0 | 02 O-RING - I.D. | 2.9 mm, C.S. 1.78 | 8mm, NITRILE 70 |) 1 | 6 |
| | | | 5 | SEC057RA0 | 01 O-RING - | I.D. 50.39 mm, C | .S. 3.53 mm | 1 | 7 |
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| | | | | PRODU | IMPOI RES YOU MUST S ICT SERIAL NUM VARRANTY ALW | TATE THE FULL F BER - FROM THI | e label | | |

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