# Fuji USER MANUAL

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# OIL PULSE WRENCHES

## MODELS : FLT-6-3L,-6D-3L,-30L

FLT-6-3L P

FLT-6-3L BF



FLT-6-3L

FLT-6D-3L

FLT-6D-30L



FLT-6D-3L, -30L

〈BIT SIZE〉

| | FLT-6D-3L | FLT-6D-30L |
|---|---|---|
|  | A : 9.5mm | A : 13mm |
|  | B : 12mm | B : 16mm |

## SPECIFICATIONS

「Scan code to download this document and see this tool on our online catalogue」

| Model | Bolt Size | Recommended Torque Range (0.4~0.5MPa) | Rotational Frequency | Square Drive Size | Bit Shank Size | Air Consumption (At Load) | Mass (without socket) | Overall Length (without socket) | Air Inlet Thread Size | Air Hose Size |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | N·m | $min^{-1}$ | mm | mm | $m^3$/min | kg | mm | | mm |
| FLT-6-3L | M6~M8 | 12～26 | 5,400 | 9.5 | – | 0.40 | 1.0 | 193 | Rc 1/4 | 9.5 |
| FLT-6D-3L | M6~M8 | 14～22 | 5,400 | – | 6.35 | 0.40 | 1.0 | 193 | Rc 1/4 | 9.5 |
| FLT-6D-30L | M6~M8 | 14～22 | 5,400 | – | 6.35 | 0.40 | 1.0 | 193 | Rc 1/4 | 9.5 |

The performance figures are at 0.40MPa(4.0bar).

⚠ **Refer to "The Instructions and Warning for Safety Use" enclosed in each tool box.**


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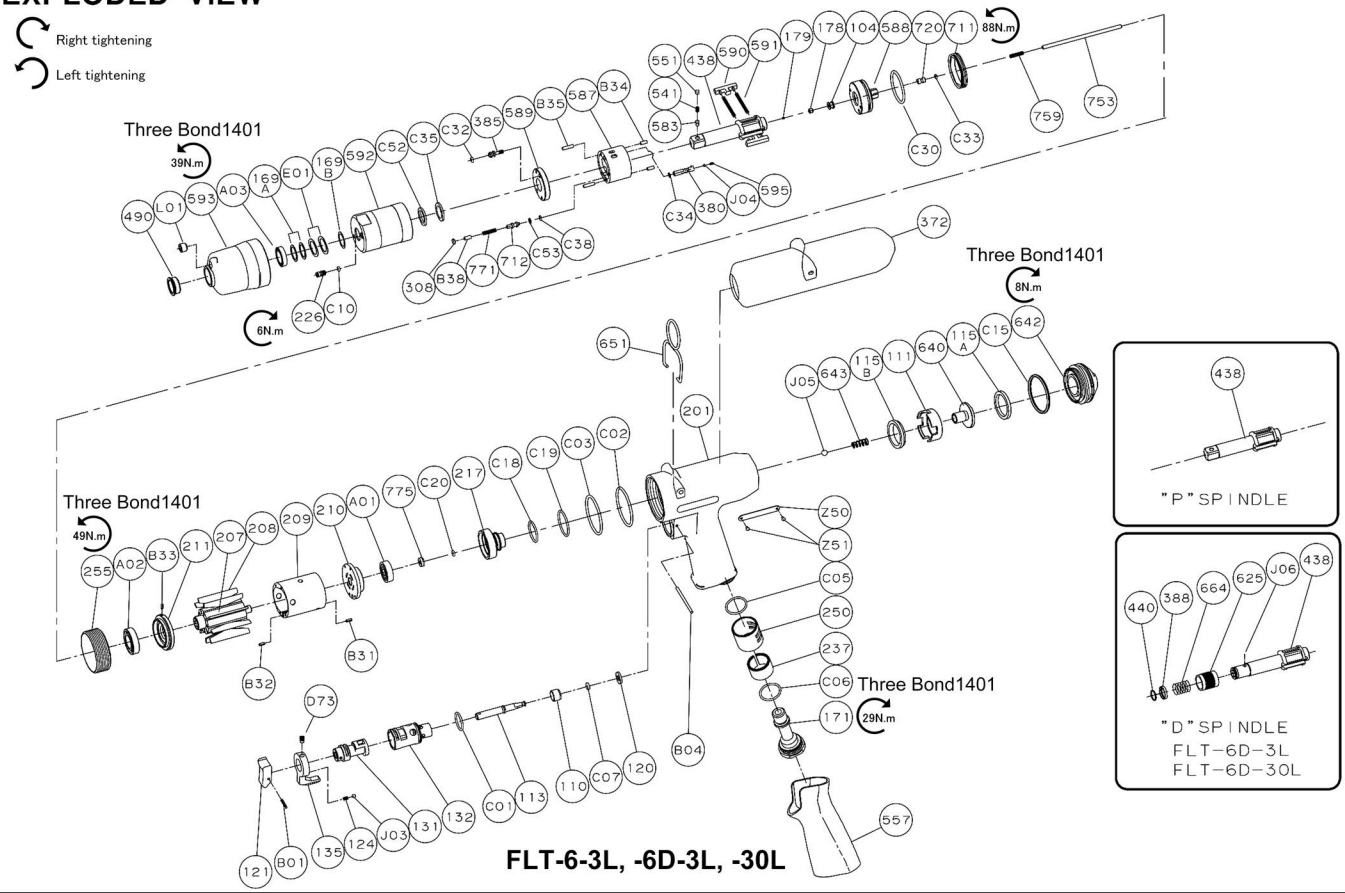
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Specifications are subject to change without notice.

# MODELS : FLT-6-3L, -6D-3L, -30L

## EXPLODED VIEW




## PARTS LIST

| Index No. | Fuji No. | Parts No. | Parts Name | Qty |
|---|---|---|---|---|
| | | FLT-6-3L <BF> | | |
| — | W-371006-04 | 5412105415 | Housing Ass'y | 1 |
| 110 | W-371110-00 | 5412058443 | Throttle Valve | 1 |
| 113 | W-362113-00 | 5412058387 | Throttle Valve Rod | 1 |
| 120 | W-371120-00 | 5412058444 | Throttle Valve Cover | 1 |
| 121 | W-254121-00 | 5412057221 | Throttle Valve Lever | 1 |
| 124 | W-254124-00 | 5412057222 | Knock Spring | 1 |
| 131 | W-276131-00 | 5412057484 | Reverse Valve | 1 |
| 132 | W-276132-01 | 5412057486 | Reverse Valve Bushing | 1 |
| 135 | W-254135-00 | 5412057223 | Reverse Valve Lever | 1 |
| 171 | W-371171-00 | 5412058445 | Inlet Joint | 1 |
| 201 | W-371201-02 | 5412105409 | Housing | 1 |
| 237 | W-302237-00 | 5412057875 | Muffler Pad | 1 |
| 250 | W-302250-00 | 5412057876 | Exhaust Cover | 1 |
| 557 | W-371557-00 | 5412058463 | Protector | 1 |
| B01 | SP-212 | 5412056265 | Spring Pin | 1 |
| B04 | GP-224GLC | 5412060304 | Grooved Pin | 1 |
| C01 | O-S15 | 5412055222 | "O" Ring | 1 |
| C02 | O-S34 | 5412055246 | "O" Ring | 1 |
| C03 | O-S34 | 5412055246 | "O" Ring | 1 |
| C05 | O-S18 | 5412055225 | "O" Ring | 1 |
| C06 | O-S18 | 5412055225 | "O" Ring | 1 |
| C07 | O-P3(H) | 5412055201 | "O" Ring (HNBR80) | 1 |
| D73 | SS-46D | 5412056388 | Set Screw(Dog Point) | 1 |
| J03 | B-3 | 5412050915 | Steel Ball | 1 |
| — | W-371033-01 | 5412105418 | Front Case Ass'y | 1 |
| 490 | W-302490-01 | 5412057878 | Spindle Bushing | 1 |
| 593 | W-371593-01 | 5412105412 | Front Case | 1 |
| A03 | BB-6701 | 5412051031 | Ball Bearing | 1 |
| L01 | PL-1/16 | 5412055397 | Plug | 1 |
| — | W-371021-14 | 5412105592 | Oil Cylinder Ass'y <BF> | 1 |
| 104 | W-371104-00 | 5412058442 | Bushing | 1 |
| 178 | W-362178-00 | 5412058392 | Plunger | 1 |
| 179 | W-362179-00 | 5412058393 | Plunger Spring | 1 |
| 226 | W-371226-00 | 5412058454 | Oil Plug | 1 |
| 308 | W-371308-00 | 5412058457 | Spacer | 1 |
| 380 | W-371380-01 | 5412076400 | Adjusting Spindle | 1 |
| 385 | W-371385-00 | 5412058460 | Adjusting Screw | 1 |
| 438 | W-371438-01 | 5412058462 | Spindle <BF> | 1 |
| * 541 | W-252541-00 | 5412057213 | Button Retainer Spring | 1 |
| * 551 | W-252551-00 | 5412057216 | Plug | 1 |
| * 583 | W-252583-00 | 5412057217 | Retainer Button (F) | 1 |

* These parts are for "BF"only.

| Index No. | Fuji No. | Parts No. | Parts Name | Qty |
|---|---|---|---|---|
| 587 | W-371587-00 | 5412058464 | Oil Cylinder | 1 |
| 588 | W-371588-00 | 5412058465 | Oil Cylinder Upper Plate | 1 |
| 589 | W-371589-00 | 5412058466 | Oil Cylinder Lower Plate | 1 |
| 590 | W-371590-00 | 5412058467 | Spindle Blade | 2 |
| 591 | W-371591-00 | 5412058468 | Blade Spring | 2 |
| 592 | W-371592-00 | 5412058469 | Cylinder Case | 1 |
| 595 | W-371595-00 | 5412058471 | Torque Adjusting Spring | 1 |
| 711 | W-371711-00 | 5412058476 | Cylinder Cover | 1 |
| 712 | W-371712-00 | 5412058477 | Damper | 1 |
| 720 | W-371720-00 | 5412058478 | Piston | 1 |
| 771 | W-371771-00 | 5412058481 | Spring | 1 |
| B34 | NR-2.56 | 5412055084 | Needle Roller | 2 |
| B35 | NR-2.510.5 | 5412055078 | Needle Roller | 2 |
| B38 | NR-311 | 5412055100 | Needle Roller | 1 |
| C10 | O-S2F(H) | 5412055229 | "O" Ring (HNBR80) | 1 |
| C30 | O-S27.5F(H) | 5412055236 | "O" Ring (HNBR80) | 1 |
| C32 | O-S2.5F(H) | 5412055227 | "O" Ring (HNBR80) | 1 |
| C33 | O-S1.4F(H) | 5412055216 | "O" Ring (HNBR80) | 1 |
| C34 | O-2.97X0.63 | 5412055302 | "O" Ring | 1 |
| C35 | O-KX12(H) | 5412055181 | "X"Ring (HNBR80) | 1 |
| C38 | O-S1.4F(H) | 5412055216 | "O" Ring (HNBR80) | 1 |
| C52 | BR-112B | 5412105373 | Back-Up Ring | 1 |
| C53 | BR-S2.5FT2 | 5412051083 | Back-Up Ring | 1 |
| J04 | B-2 | 5412050914 | Steel Ball | 1 |
| 111 | W-371111-00 | 5412103742 | Throttle Valve Washer | 1 |
| 115A | W-371115-00 | 5412103743 | Throttle Valve Sheet | 1 |
| 115B | W-371115-01 | 5412103744 | Throttle Valve Sheet | 1 |
| 169A | W-070169-01 | 5412056752 | Reverse Valve Washer | 2 |
| 169B | W-070169-01 | 5412056752 | Reverse Valve Washer | 1 |
| 207 | W-371207-00 | 5412058447 | Rotor | 1 |
| (208) | W-371208-00 | 5412058448 | Rotor Blade | 9 |
| (209) | W-371209-00 | 5412058449 | Cylinder | 1 |
| B31 | SP-2.56 | 5412056262 | Spring Pin | 1 |
| B32 | SP-2.56 | 5412056262 | Spring Pin | 1 |
| 210 | W-371210-00 | 5412058450 | Cylinder Upper Plate | 1 |
| 211 | W-371211-00 | 5412058451 | Cylinder Lower Plate | 1 |
| (B33) | SP-25 | 5412056271 | Spring Pin | 1 |
| 217 | W-371217-01 | 5412103745 | Bearing Cover | 1 |
| 255 | W-371255-00 | 5412058455 | Motor Fastening Nut | 1 |
| 372 | W-371372-01 | 5412060451 | Plastic Cover | 1 |
| 640 | W-371640-00 | 5412103746 | Stop Valve | 1 |
| 642 | W-371642-01 | 5412103747 | Stop Valve Rear Cover | 1 |

| Index No. | Fuji No. | Parts No. | Parts Name | Qty |
|---|---|---|---|---|
| 643 | W-371643-01 | 5412103748 | Stop Valve Spring | 1 |
| 651 | W-371651-00 | 5412058474 | Hanger (Horizontal) | 1 |
| 753 | W-371753-01 | 5412103749 | Piston Rod | 1 |
| 759 | W-371759-01 | 5412076404 | Return Spring | 1 |
| 775 | W-371775-00 | 5412058482 | Seal Box | 1 |
| A01 | BB-EE2 | 5412050936 | Ball Bearing | 1 |
| A02 | BB-6901 | 5412051041 | Ball Bearing | 1 |
| C15 | O-S25 | 5412055234 | "O" Ring | 1 |
| C18 | O-S14 | 5412055221 | "O" Ring | 1 |
| C19 | O-S22 | 5412055232 | "O" Ring | 1 |
| C20 | O-S3 | 5412055241 | "O" Ring | 1 |
| E01 | WW-12 | 5412058756 | Wave Washer | 2 |
| J05 | B-4 | 5412050919 | Steel Ball | 1 |
| Z50 | NP-7009 | 5412074874 | Name Plate | 1 |
| Z51 | NPN-0X3.2 | 5412055056 | Screw Rivet | 2 |
| | NP-0740 | 5412060277 | Warning Sticker | 1 |
| It is common with FLT-6-3L <BF> excluding the parts below. | | | | |
| FLT-6-3L <P> | | | | |
| — | W-371021-11 | 5412105507 | Oil Cylinder Ass'y <P> | 1 |
| 438 | W-371438-00 | 5412058461 | Spindle <P> | 1 |
| FLT-6D-3L | | | | |
| — | W-371021-12 | 5412105508 | Oil Cylinder Ass'y | 1 |
| 438 | W-371438-02 | 5412060718 | Spindle | 1 |
| 388 | W-305388-00 | 5412057911 | Spring Holder | 1 |
| 440 | W-305440-00 | 5412057912 | Ring | 1 |
| 625 | W-305625-00 | 5412057921 | Bit Cover | 1 |
| 664 | W-305664-00 | 5412057922 | Finder Spring | 1 |
| J06 | B-3 | 5412050915 | Ball | 1 |
| FLT-6D-30L | | | | |
| — | W-371021-13 | 5412105509 | Oil Cylinder Ass'y | 1 |
| 438 | W-371438-03 | 5412076402 | Spindle | 1 |
| 388 | W-305388-00 | 5412057911 | Spring Holder | 1 |
| 440 | W-305440-00 | 5412057912 | Ring | 1 |
| 625 | W-305625-00 | 5412057921 | Bit Cover | 1 |
| 664 | W-305664-00 | 5412057922 | Finder Spring | 1 |
| J06 | B-3 | 5412050915 | Ball | 1 |

| | | | |
|---|---|---|---|
| — | W-371093-00 | 5412105803 | Service Kit |
| INC | # 169A,169B,178,179,208,308,591,595,B34,B35,C10,C30,C32,C33 C34,C35,C38,C52,C53,E01,J04 | | |
| — | OIL-11-4L | 5412105495 | Oil(4liter) |

☐ The related parts are shown in a thick frame.
☐ #209 and #211 are supplied together with parts shown in ( ).
☐ Specify parts number and quantity when ordering.

■ Standard Accessories

| AC No. | Parts No. | Description | Qty |
|---|---|---|---|
| F-701-1 | 5412052204 | 1.5mm Hex. Pin Wrench | 1 |
| F-704 | 5412052207 | 4mm Hex. Pin Wrench | 1 |

● Optional Part (for NPT Inlet)

| AC No. | Parts No. | Description |
|---|---|---|
| IB-202N00 | 5412054475 | Inlet Bushing (Rc1/4 → NPT1/4) |