

# Fuji USER MANUAL

## AIR FILES & AIR SAW

MODELS : FRF-4-1, -2



FRF-4-1, -2

### FILE BLADE FOR FRF-4-1

| Model | Tool Name | Stroke Per Minute SPM | Stroke mm |
|-------|-----------|-----------------------|-----------|
| 1     | *FILE-4P  | Pillar                | 150       |
| 2     | *FILE-4H  | Half Round            |           |
| 3     | *FILE-4R  | Round                 |           |
| 4     | *FILE-4C  | Triangle              |           |
| 5     | *FILE-4S  | Square                |           |

\*Accessories included in FRF-4-1

### SAW BLADE FOR FRF-4-2

| Model  | Stroke mm | Stroke mm |
|--------|-----------|-----------|
| *SAW-4 | 123       | 25        |

\* W = The number of teeth per inch.

### SPECIFICATIONS

| Model   | Tool Name | Stroke Per Minute | Stroke |               | Chuck Capacity |                                                | Overall Length |                  | Weight kg | Air Inlet Thread Size P.T. | Air Hose Size |               |
|---------|-----------|-------------------|--------|---------------|----------------|------------------------------------------------|----------------|------------------|-----------|----------------------------|---------------|---------------|
|         |           |                   | mm     | in            | mm             | in                                             | mm             | in               |           |                            | mm            | in            |
| FRF-4-1 | File      | 1,600             | 12     | $\frac{1}{2}$ | 4x13x20        | $\frac{5}{8}$ x $\frac{1}{2}$ x $\frac{3}{32}$ | 208            | $8\frac{3}{16}$  | 0.8       | $\frac{1}{4}$              | 6             | $\frac{1}{4}$ |
| FRF-4-2 | Saw       | 1,600             | 12     | $\frac{1}{2}$ | 2x13x20        | $\frac{5}{8}$ x $\frac{1}{2}$ x $\frac{3}{32}$ | 212            | $8\frac{11}{32}$ | 0.8       | $\frac{1}{4}$              | 6             | $\frac{1}{4}$ |

○ Standard equipments : Hose nipple and 2 hex. wrenches. A set of the above files are provided in case of FRF-4-1.

○ Specifications, standard equipments, designs and parts in this leaflet are subject to change without notice.

○ **CAUTION** : Handle with care to avoid dropping and bumping.

The performance figures are at 0.63 MPa (6.3 bar).



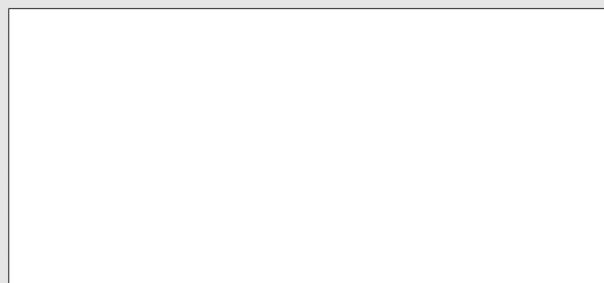
Refer to "The Instructions and Warning for Safety Use" enclosed in each tool box.

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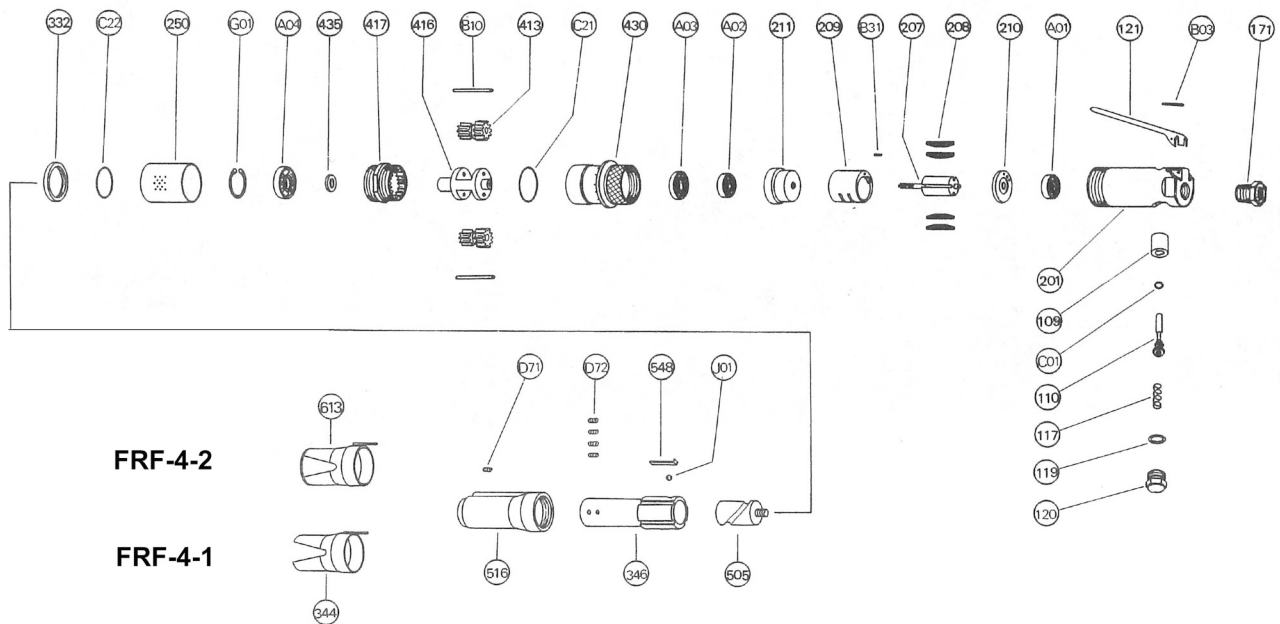
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# MODELS : FRF-4-1, -2

## EXPLODED VIEW



## PARTS LIST

| Index No.                                                                 | Part No.    |         | Part Name                    | Index No. | Part No.    |             | Part Name         |
|---------------------------------------------------------------------------|-------------|---------|------------------------------|-----------|-------------|-------------|-------------------|
|                                                                           | FRF-4-1     | FRF-4-2 |                              |           | FRF-4-1     | FRF-4-2     |                   |
| HANDLE PART                                                               |             |         |                              | 346       | S-001346-00 | S-001346-01 | Chuck Body        |
|                                                                           |             |         |                              | 413       | S-001413-00 | ←           | Planet Gear (2)   |
| 109                                                                       | D-021109-00 | ←       | Throttle Valve Bushing       | 416       | S-001416-00 | ←           | Planet Gear Flame |
| 110                                                                       | D-021110-A  | ←       | Throttle Valve               | 417       | S-001417-00 | ←           | Internal Gear     |
| 117                                                                       | D-021117-00 | ←       | Throttle Valve Spring        | 430       | S-001430-00 | ←           | Gear Case         |
| 119                                                                       | D-021119-00 | ←       | Throttle Valve Cover Packing | 435       | D-001435-00 | ←           | Thrust Washer     |
| 120                                                                       | D-021120-00 | ←       | Throttle Valve Cover         | 505       | S-001505-00 | ←           | Cam               |
| 121                                                                       | D-021121-A  | ←       | Throttle Valve Lever         | 516       | S-001516-00 | ←           | Cam Case          |
| 171                                                                       | IB-202000   | ←       | Inlet Bushing (PT)           | 548       | S-001548-00 | S-001548-02 | Ball Washer       |
| 171                                                                       | IB-202N00   | ←       | Inlet Bushing (NPT)          | 613       | —           | S-001613-01 | Guide             |
| 201                                                                       | D-021201-00 | ←       | Housing                      | A01       | BB-634      | ←           | Ball Bearing      |
| B03                                                                       | SP-320      | ←       | Spring Pin                   | A02       | BB-626      | ←           | Ball Bearing      |
| C01                                                                       | O-P3        | ←       | "O" Ring                     | A03       | BB-EE3      | ←           | Ball Bearing      |
| All of the above parts can be used interchangeable on the all the models. |             |         |                              | A04       | BB-EE4      | ←           | Ball Bearing      |
|                                                                           |             |         |                              | B10       | NR-329      | ←           | Needle Roller     |
| 207                                                                       | D-021207-00 | ←       | Rotor                        | B31       | SP-26       | ←           | Spring Pin        |
| 208                                                                       | D-021208-00 | ←       | Rotor Blade (4)              | C21       | O-G30       | ←           | "O" Ring          |
| 209                                                                       | D-021209-00 | ←       | Cylinder                     | C22       | O-G25       | ←           | "O" Ring          |
| 210                                                                       | D-021210-00 | ←       | Cylinder Upper Plate         | D71       | SS-35       | ←           | Set Screw         |
| 211                                                                       | D-021211-00 | ←       | Cylinder Lower Plate         | D72       | SS-58       | —           | Set Screw (4)     |
| 250                                                                       | S-001250-00 | ←       | Exhaust Cover                | D72       | —           | SS-58       | Set Screw (2)     |
| 332                                                                       | S-001332-00 | ←       | Lock Nut                     | G01       | SR-R28      | ←           | Snap Ring         |
| 344                                                                       | S-001344-00 | —       | Chuck Cover                  | J01       | B-6         | ←           | Steel Ball        |

If the performance seems to have gone down after several months of use, disassemble the tool for inspecting the wear of the rotor blades and the cylinder and the eccentricity and play of the ball bearings. When you find them too big, please replace the parts with new ones.

### Standard Accessories (FRF-4-1)

| AC No.  | Description           | Qty |
|---------|-----------------------|-----|
| F-701   | 1.5mm Hex. Pin Wrench | 1   |
| F-702   | 2.5mm Hex. Pin Wrench | 1   |
| FILE-4P | PILLER                | 1   |
| FILE-4H | HALF ROUND            | 1   |
| FILE-4R | ROUND                 | 1   |
| FILE-4C | CONT                  | 1   |
| FILE-4S | SQUARE                | 1   |

### Standard Accessories (FRF-4-2)

| AC No. | Description           | Qty |
|--------|-----------------------|-----|
| F-701  | 1.5mm Hex. Pin Wrench | 1   |
| F-702  | 2.5mm Hex. Pin Wrench | 1   |
| SAW-4  | SAW BLADE             | 1   |