

Fuji USER MANUAL

DIE GRINDERS

MODELS : FG-50D-1, -1F, -2



FG-50D-1



FG-50D-1F



FG-50D-2

SPECIFICATIONS

Model	Collet Size		Capacity		Rotational Frequency	Max. Air Consumption	Mass	Overall Length	Air Inlet Thread Size	Air Hose Size
			Grinding Wheel	Burr Head						
	mm	in	mm	mm	min ⁻¹	m ³ /min	kg	mm		mm
FG-50D-1	6	-	32	22	18,000	0.45	0.88	210	PT 1/4	9.5
FG-50D-1F	6	1/4	32	22	18,000	0.45	0.88	210	PT or NPT 1/4	9.5
FG-50D-2	6	1/4	32	22	18,000	0.45	0.90	213	PT or NPT 1/4	9.5

* Please specify collet size when ordering.

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



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

Fuji Industrial Technique Co.,Ltd.

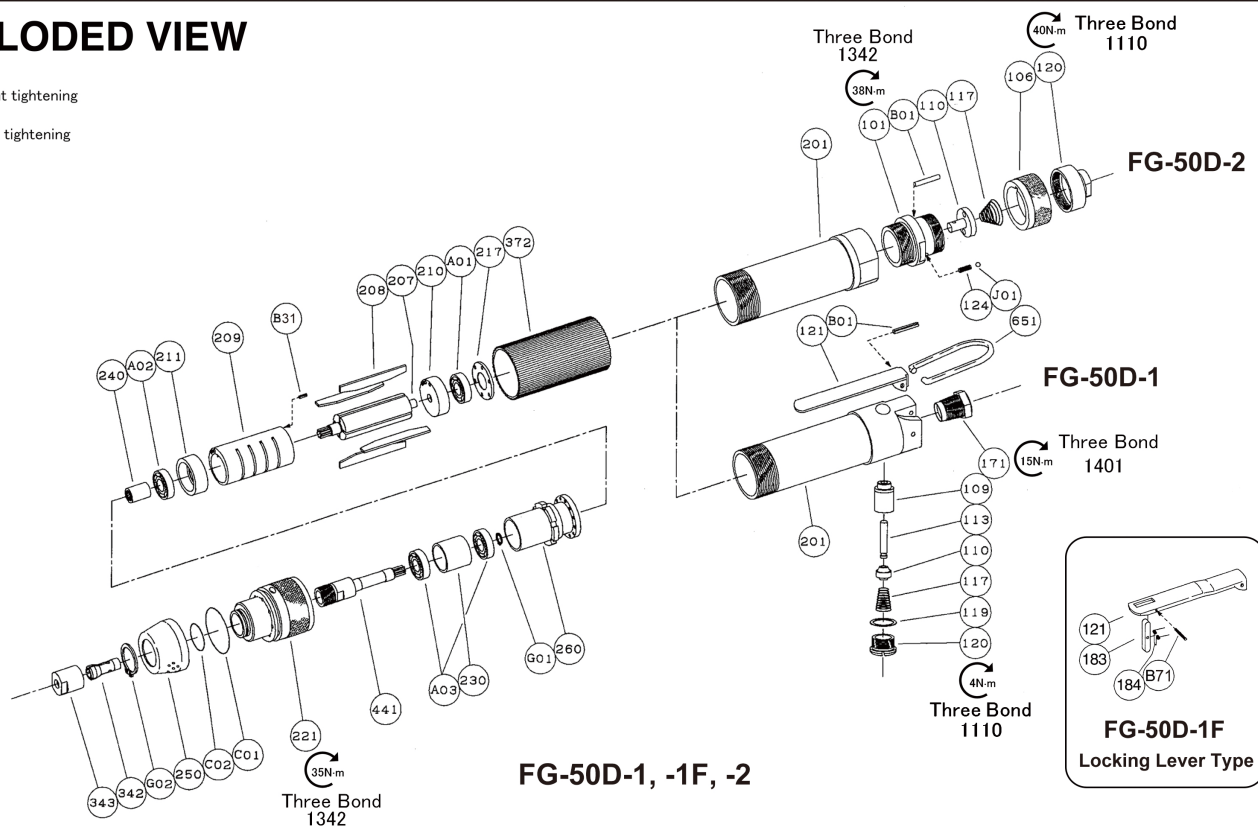
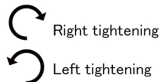
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MODELS : FG-50D-1,-1F, -2

EXPLODED VIEW



PARTS LIST

Index No.	Parts No.	Parts Name	Qty
FG-50D-1F			
—	G-106006-02	Housing Ass'y <PT>	
—	G-106006-04	Housing Ass'y <NPT>	
201	G-106006-50	Housing	1
(109)	G-106109-00	Throttle Valve Bushing	1
117	G-105117-00	Throttle Valve Spring	1
119	G-028119-00	Throttle Valve Cover Packing	1
120	G-028120-00	Throttle Valve Cover	1
171	IB-3020S0	Inlet Joint <PT>	1
	IB-302NS0	Inlet Joint <NPT>	1
B01	SP-320	Spring Pin	1
—	G-028008-00	Throttle Valve Rod Ass'y	
110	H-001110-02	Throttle Valve	1
113	G-028113-00	Throttle Valve Rod	1
—	A-122019-01	(F) Lock Lever Ass'y	
121	A-122121-00	Throttle Valve Lever	1
183	G-144183-02	Lock Key	1
184	G-144184-00	Lock Spring	1
B71	SP-218	Spring Pin	1
207	G-106207-00	Rotor	1
208	G-106208-00	Rotor Blade	4
209	G-106209-00	Cylinder	1
(B31)	SP-26	Spring Pin	1
210	G-106210-00	Cylinder Upper Plate	1
211	G-106211-00	Cylinder Lower Plate	1
217	G-106217-00	Bearing Cover	1
221	G-106221-00	Spindle Bearing Cover	1
230	G-106230-00	Bearing Spacer (B)	1
240	G-105240-00	Coupling	1
250	G-106250-00	Exhaust Cover	1
260	G-106260-00	Bearing Case	1
342	G-028342-07	Collet <6mm>	1
	G-028342-06	Collet <1/4">	1
343	G-105343-00	Collet Nut	1
372	G-106372-00	Plastic Cover	1
441	G-106441-00	Spindle (B)	1
651	G-028651-00	Hanger (Horizontal)	1
A01	BB-626	Ball Bearing	1
A02	BB-608	Ball Bearing	1
A03	BB-608MN	Ball Bearing	2
C01	O-S34	"O"Ring	1
C02	O-S20	"O"Ring	1
G01	SR-S6	Snap Ring	1
G02	SR-S20	Snap Ring	1

Index No.	Parts No.	Parts Name	Qty
FG-50D-1			
—	G-106006-00	Housing Ass'y <PT>	
201	G-106006-50	Housing	1
(109)	G-106109-00	Throttle Valve Bushing	1
117	G-105117-00	Throttle Valve Spring	1
119	G-028119-00	Throttle Valve Cover Packing	1
120	G-028120-00	Throttle Valve Cover	1
121	G-028121-00	Throttle Valve Lever	1
171	IB-3020S0	Inlet Joint <PT>	1
B01	SP-320	Spring Pin	1
—	G-028008-00	Throttle Valve Rod Ass'y	
110	H-001110-02	Throttle Valve	1
113	G-028113-00	Throttle Valve Rod	1
207	G-106207-00	Rotor	1
208	G-106208-00	Rotor Blade	4
209	G-106209-00	Cylinder	1
(B31)	SP-26	Spring Pin	1
210	G-106210-00	Cylinder Upper Plate	1
211	G-106211-00	Cylinder Lower Plate	1
217	G-106217-00	Bearing Cover	1
221	G-106221-00	Spindle Bearing Cover	1
230	G-106230-00	Bearing Spacer (B)	1
240	G-105240-00	Coupling	1
250	G-106250-00	Exhaust Cover	1
260	G-106260-00	Bearing Case	1
342	G-028342-07	Collet <6mm>	1
343	G-105343-00	Collet Nut	1
372	G-106372-00	Plastic Cover	1
441	G-106441-00	Spindle (B)	1
651	G-028651-00	Hanger (Horizontal)	1
A01	BB-626	Ball Bearing	1
A02	BB-608	Ball Bearing	1
A03	BB-608MN	Ball Bearing	2
C01	O-S34	"O"Ring	1
C02	O-S20	"O"Ring	1
G01	SR-S6	Snap Ring	1
G02	SR-S20	Snap Ring	1

Index No.	Parts No.	Parts Name	Qty
FG-50D-2			
—	G-106001-00	Housing Cover Ass'y <PT>	
101	G-106101-00	Housing Cover	1
106	G-040106-A	Throttle Valve Handle	1
110	G-011110-00	Throttle Valve	1
117	G-042117-00	Throttle Valve Spring	1
120	G-011120-00	Throttle Valve Cover <PT>	1
124	G-005124-00	Knock Spring	1
B01	NR-318.8	Needle Roller	1
J01	B-3	Ball	1
201	G-106201-01	Housing	1
207	G-106207-00	Rotor	1
208	G-106208-00	Rotor Blade	4
209	G-106209-00	Cylinder	1
(B31)	SP-26	Spring Pin	1
210	G-106210-00	Cylinder Upper Plate	1
211	G-106211-00	Cylinder Lower Plate	1
217	G-106217-00	Bearing Cover	1
221	G-106221-00	Spindle Bearing Cover	1
230	G-106230-00	Bearing Spacer (B)	1
240	G-105240-00	Coupling	1
250	G-106250-00	Exhaust Cover	1
260	G-106260-00	Bearing Case	1
342	G-028342-07	Collet <6mm>	1
	G-028342-06	Collet <1/4">	1
343	G-105343-00	Collet Nut	1
372	G-106372-00	Plastic Cover	1
441	G-106441-00	Spindle (B)	1
A01	BB-626	Ball Bearing	1
A02	BB-608	Ball Bearing	1
A03	BB-608MN	Ball Bearing	2
C01	O-S34	"O"Ring	1
C02	O-S20	"O"Ring	1
G01	SR-S6	Snap Ring	1
G02	SR-S20	Snap Ring	1

Optional Collet

AC No.	Size	
	mm	in
G-028342-08	3.0	—
G-028342-04	—	1/8
G-028342-07	6.0	—
G-028342-06	—	1/4

Standard Accessories

AC No.	Description	Qty
F-104	12mm Open-End Wrench	1
F-105	14mm Open-End Wrench	1

- The related parts are shown in thick frame.
- #201(FG-50D-1,-1F) and #209 are supplied together with parts shown in ().
- Specify parts number and quantity when ordering.