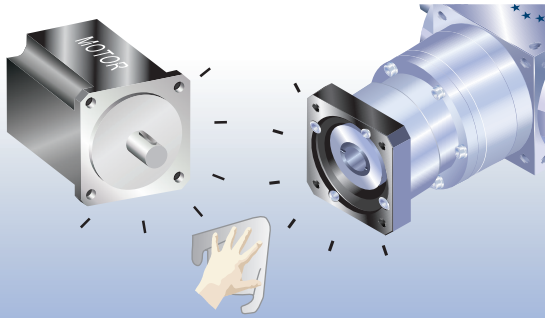




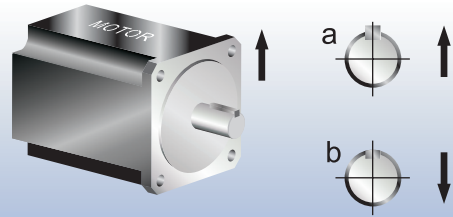
MOUNTING INSTRUCTION

1



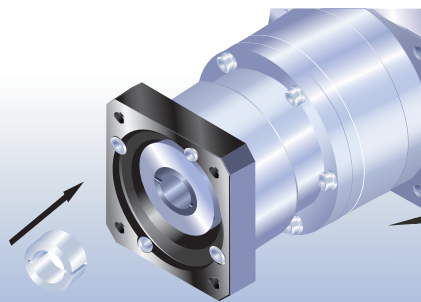
Double-check the motor and gearbox size.
Clean the mounting surface.

2



a. Remove the motor key.
b. Insert balance key.

3

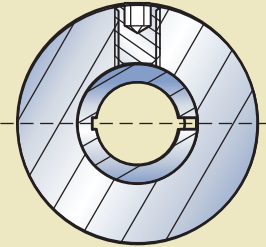


Check motor shaft size and insert
bushing.

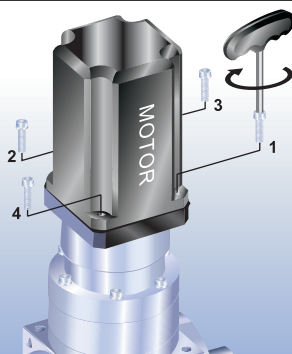


Correct installation.

When installing the
bushing, be sure to
align the collet gap
perpendicular
to set screw.

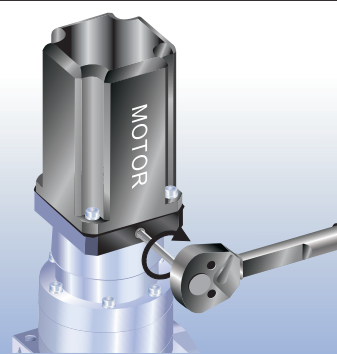


4



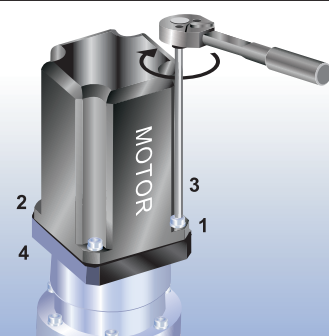
Set at vertical position. Tighten the mounting
bolts (including washer) in 1~4 order with
wrench to 5% specified torque. (See Table 1).

5



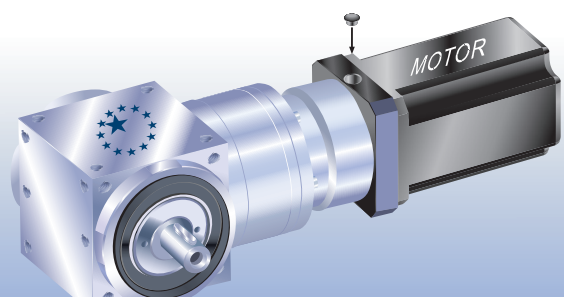
Tighten the set screw with torque wrench to
specified torque (See Table 2)

6



Tighten the mounting bolts in 1~4 order with
torque wrench to specified torque. (See Table 1).

7



Insert the plug.

Table 1 Tightening Torque Recommended for Motor Mounting Bolt

Bolt Size	Width Across Flats	Strength 8.8 Tightening Torque		Strength 10.9 Tightening Torque		Strength 12.9 Tightening Torque	
	[mm]	[Nm]	[In-lbs]	[Nm]	[In-lbs]	[Nm]	[In-lbs]
M3 x 0.5P	2.5	1.3	12	1.8	16	2.1	19
M4 x 0.7P	3	3	27	4.1	37	4.9	44
M5 x 0.8P	4	6.1	55	8.2	73	9.8	87
M6 x 1P	5	11	98	14	124	17	151
M8 x 1.25P	6	25	222	34	302	41	364
M10 x 1.5P	8	49	434	67	594	80	709
M12 x 1.75P	10	85	753	116	1028	139	1232
M14 x 2P	12	137	1214	186	1648	223	1976
M16 x 2P	14	210	1860	286	2534	343	3038

Table 2 Tightening Torque Recommended for Set Collar Bolt

Gearbox Size		Motor Shaft Dia.	Bolt Size	Width Across Flats	Tightening Torque	
		[mm]	[mm]	[mm]	[Nm]	[In-lbs]
AT/ATB 065	2 stage	≤12	M6 x 1P x 8L	3	5.6	50
AT/ATB 075	2 stage	≤12	M6 x 1P x 8L	3	5.6	50
AT/ATB 090	2 stage	≤16	M8 x 1.25P x 10L	4	9.5	85
AT/ATB 110	2 stage	≤24	M10 x 1.5P x 12L	5	23	205
	3 stage	≤12	M6 x 1P x 8L	3	5.6	50
AT/ATB 140	2 stage	≤24	M10 x 1.5P x 12L	5	23	205
	3 stage	≤12	M6 x 1P x 8L	3	5.6	50
AT/ATB 170	2 stage	≤24	M10 x 1.5P x 12L	5	23	205
	3 stage	≤16	M8 x 1.25P x 10L	4	9.5	85
AT/ATB 210	2 stage	≤32	M12 x 1.75P x 16L	6	45	400
	3 stage	≤16	M8 x 1.25P x 10L	4	9.5	85
AT/ATB 240	2 stage	≤38	M16 x 2P x 20L	8	78	693
	3 stage	≤24	M10 x 1.5P x 12L	5	23	205
AT/ATB 280	2 stage	≤38	M16 x 2P x 20L	8	78	693
	3 stage	≤24	M10 x 1.5P x 12L	5	23	205

Note:Holding torques must be bigger than values shown above. Bolts can be tightened up to 20% higher for increased holding torques.



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