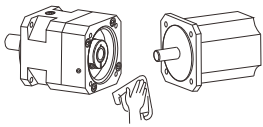


# Installation Guide

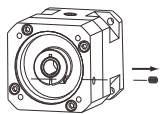
## Mounting procedure to the motor

### Step 1



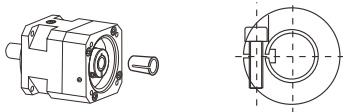
wipe off anti-rust agent and oil on the motor shaft

### Step 2



Remove the plug

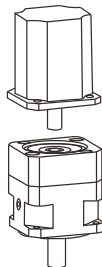
### Step 3



Turn the input shaft until the cap screw is seen. Make sure the cap screw is loosened.

In case the bushing has been attached, please fix it to the reducer as the drawing below.

### Step 4

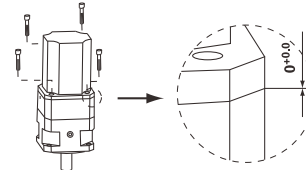


Please place reducer vertically on the flat surface so the motor mounting part faces up. Carefully insert the motor shaft into the input shaft. (It should be inserted smoothly) Make sure the motor flange is perfectly fit to the reducers flange. Tighten the motor installing bolts to the proper torque. (See table 1)

## Reducer installation

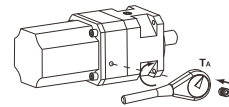
After confirming the installation surface is flat and clean, tighten the bolt using a torque wrench to the proper torque. (See table 2)

### Step 5



Tighten the clamping bolt of the input shaft with torque wrench to the proper torque. (See table 1)

### Step 6



Reinstall the plug. The procedure is done.

Table 1

Bolt size	Motor installing bolts		Clamping bolt	
	Nm	kgfm	Nm	kgfm
M3	1.1	0.11	1.9	0.18
M4	2.5	0.26	4.3	0.44
M5	5.1	0.52	8.7	0.89
M6	8.7	0.89	15	1.5
M8	21	2.1	36	3.7
M10	42	4.3	71	7.2
M12	72	7.3	125	13
M16	134	14	—	—

Table 2

Bolt size	Tightening torque	
	Nm	kgfm
M3	1.9	0.18
M4	4.3	0.44
M5	8.7	0.89
M6	15	1.5
M8	36	3.7
M10	71	7.2
M12	125	13
M16	310	32
M20	603	62

※ Recommended bolt: strength 12.9