



## 1326AB Motor Junction Box

Use the instructions in this document to install the following motor junction boxes:

- 1326AB-MOD-RJAB motor junction box for 1326AB-Axxx and 1326AB-Bxxx (except 1326AB-B7xxx) motors.
- 1326AB-MOD-RJAB1 motor junction box for 1326AB-A4xxx, 1326AB-A5xxx, 1326AB-B4xxx, and 1326AB-B5xxx Torque Plus frame motors.
- 1326AB-MOD-RJBC motor junction box for 1326AB-Cxxx frame motors.
- 1326AB-MOD-RJC1 motor junction box for 1326AB-B7xxx Torque Plus frame motors.

**Important:** Do not use the 1326AB motor junction box with 1326AB-xxxx-Mx-21 or 1326AB-xxxx-Mx-21 high-resolution motors.

### Determining the Tools You Need

You need the following tools to install your motor junction box:

- Wire cutter
- Phillips screwdriver

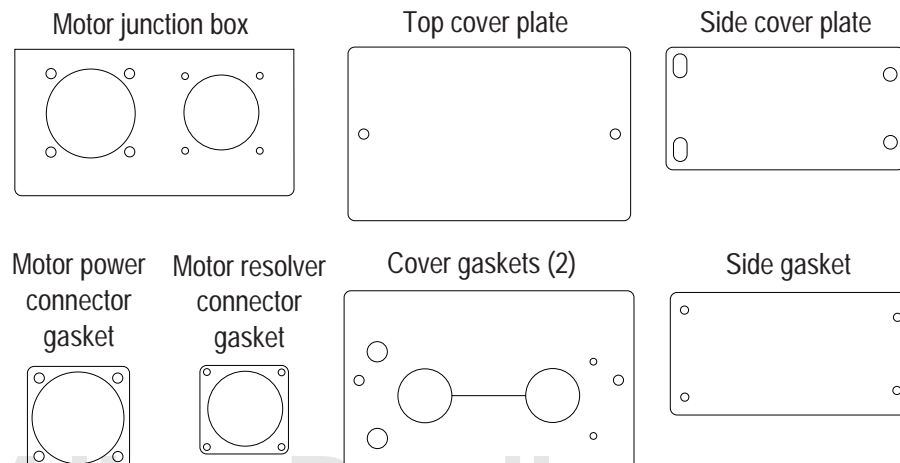
### Identifying Junction Box Components

The components for the following four kits are shown in this section:

- 1326AB-MOD-RJAB junction box kit
- 1326AB-MOD-RJAB1 junction box kit
- 1326AB-MOD-RJBC junction box kit
- 1326AB-MOD-RJC1 junction box kit

### 1326AB-MOD-RJAB and 1326AB-MOD-RJAB1 Motor Junction Box Kits

In both the 1326AB-MOD-RJAB and the 1326AB-MOD-RJAB1 junction box kits, you receive the following components:



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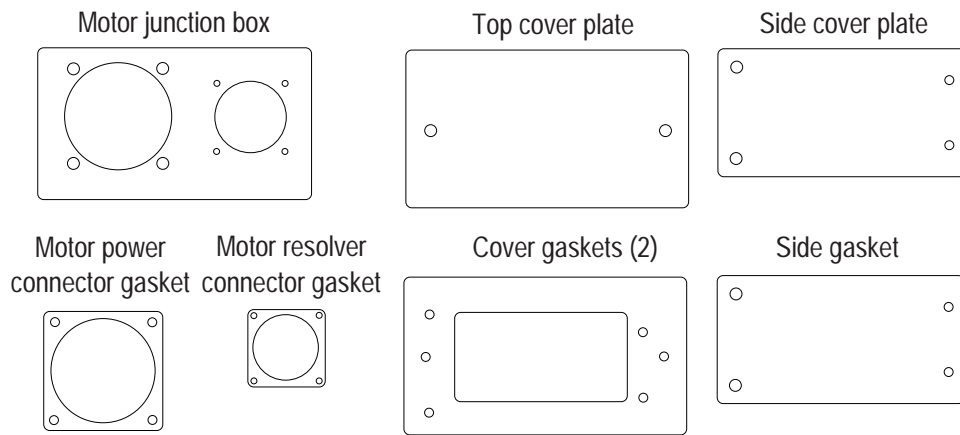
The screws used in the kits are shown in the following table:

Junction Box Kit	Screw Sizes (English/Metric)
1326AB-MOD-RJAB	<ul style="list-style-type: none"> <li>• four 4-40 x 0.5 inch screws</li> <li>• six 8-32 x 0.5 inch screws</li> <li>• eight 6-32 x 0.5 inch screws</li> </ul>
1326AB-MOD-RJAB1	<ul style="list-style-type: none"> <li>• four M3 x 12 mm screws</li> <li>• six M4 x 12 mm screws</li> <li>• eight M3.5 x 16 mm screws</li> </ul>

If you ordered these kits and did not receive these components, contact your local Allen-Bradley representative.

### 1326AB-MOD-RJBC and 1326AB-MOD-RJC1 Motor Junction Box Kits

In both the 1326AB-MOD-RJBC and the 1326AB-MOD-RJC1 junction box kits, you receive the following components:



The screws used in the kits are shown in the following table:

Junction Box Kit	Screw Sizes (English/Metric)
1326AB-MOD-RJBC	<ul style="list-style-type: none"> <li>• two 4-40 x 0.5 inch screws</li> <li>• eight 8-32 x 0.5 inch screws</li> <li>• six 6-32 x 0.5 inch screws</li> <li>• two 10-32 x 0.5 inch screws</li> </ul>
1326AB-MOD-RJC1	<ul style="list-style-type: none"> <li>• two M3 x 16 mm screws</li> <li>• six M3.5 x 16 mm screws</li> <li>• two M4 x 10 mm screws</li> <li>• six M4 x 12 mm screws</li> <li>• two M5 x 10 mm screws</li> </ul>

If you ordered these kits and did not receive these components, contact your local Allen-Bradley representative.

## Installing Your Motor Junction Box



**ATTENTION:** To avoid a shock hazard, remove power to the motor controller and motor before installing your motor junction box. Failure to observe this caution can cause personal injury.

Installing your motor junction box consists of:

- Preparing your motor connectors
- Mounting the motor junction box to the motor housing
- Mounting the motor connectors in the motor junction box
- Mounting the side cover plate on the motor junction box
- Mounting the top cover plate on the motor junction box
- Mounting the rear cover plate on the motor housing

**Important:** Motor junction box kits are only compatible with standard IP65 1326AB Torque Plus motors. 1326AB Torque Plus motors with the IP67 (-L) option loses the IP67 rating if a motor junction box kit is attached.

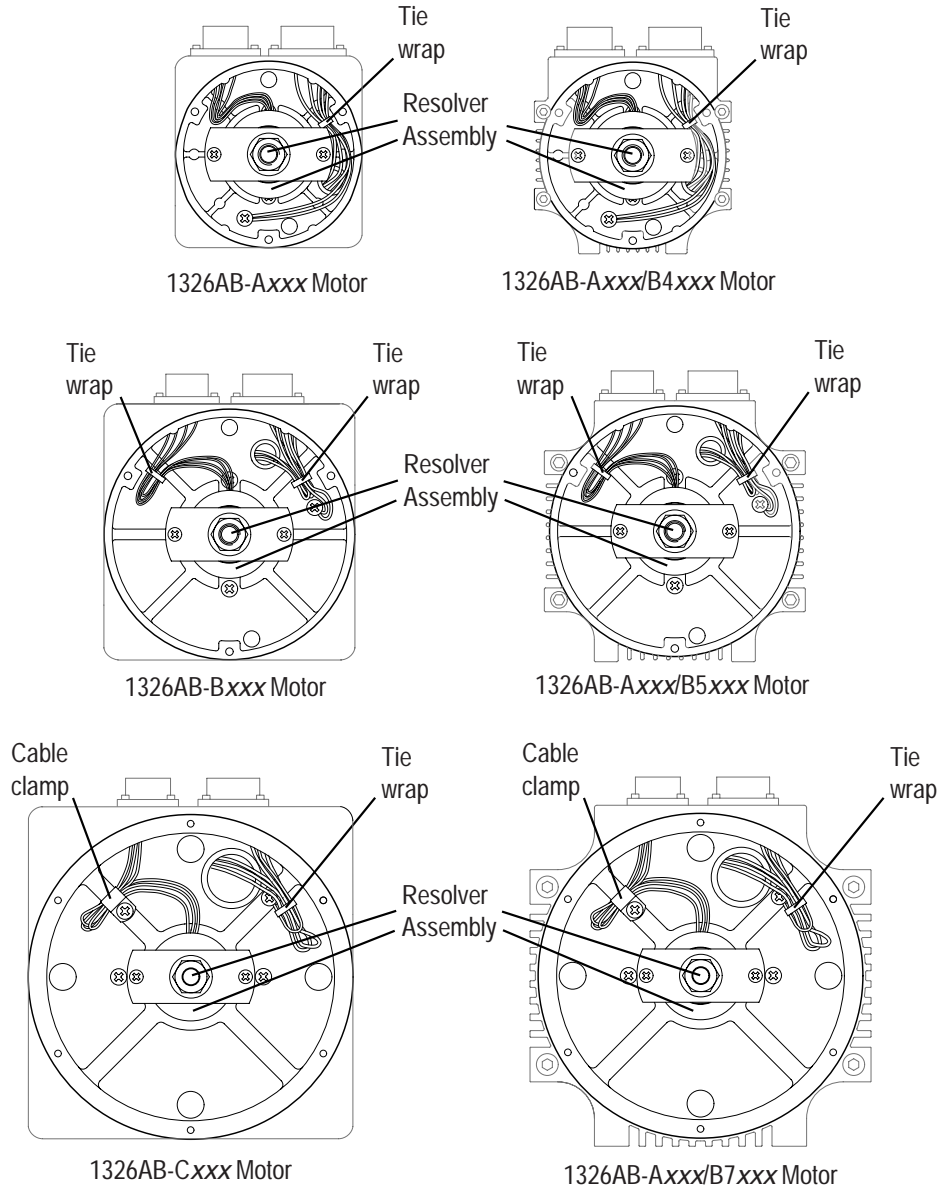
### Preparing Your Motor Connectors

To prepare your motor connectors for axial mounting:

1. Remove the screws that fasten the rear cover plate and gasket to the motor housing.
2. Remove the rear cover plate.
3. Cut the tie wraps on the connector leads, being careful not to cut the wires.

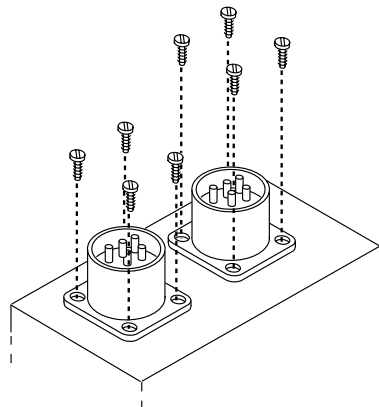
**Important:** Do not move or rotate the resolver to avoid misaligning the feedback device.

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4. Remove the eight screws that fasten the connectors to the motor housing.

Note: You will no longer need these screws.

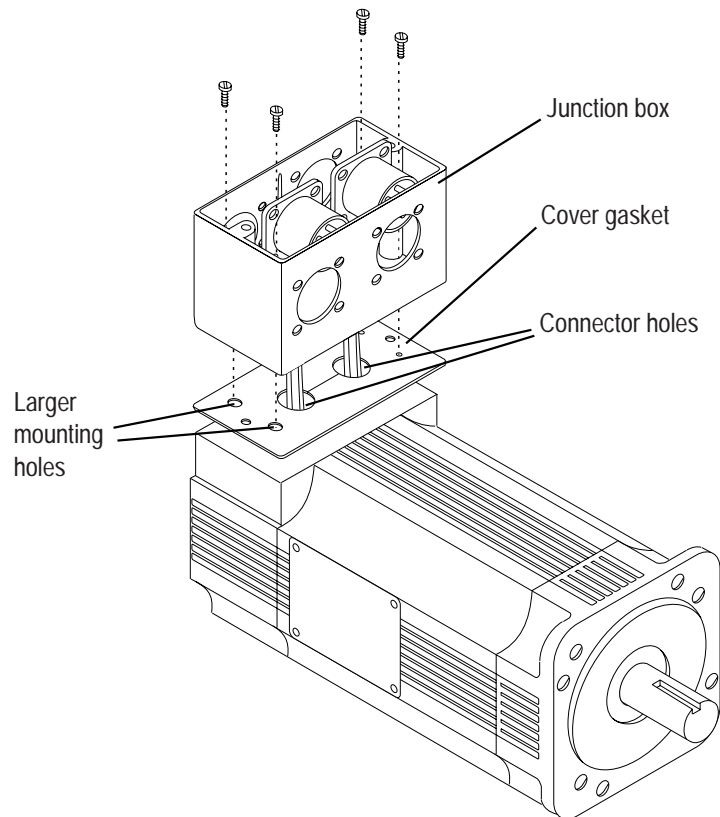


5. Remove and throw away the rubber gaskets located under each connector.
6. Grasp the motor connectors and gently pull the additional lead wires through the connector holes.

### Mounting the Motor Junction Box to the Motor Housing

To mount the junction box to the motor housing:

1. Position the cover gasket so that the side with the two larger mounting holes is over the motor power connector.
2. Slide the connectors through the connector hole(s) in the cover gasket.
3. Place the junction box over the connectors so that the side with the larger connector hole is over the motor power connector.
4. Pull the connectors into the junction box.
5. Fasten the junction box and cover gasket to the motor housing:



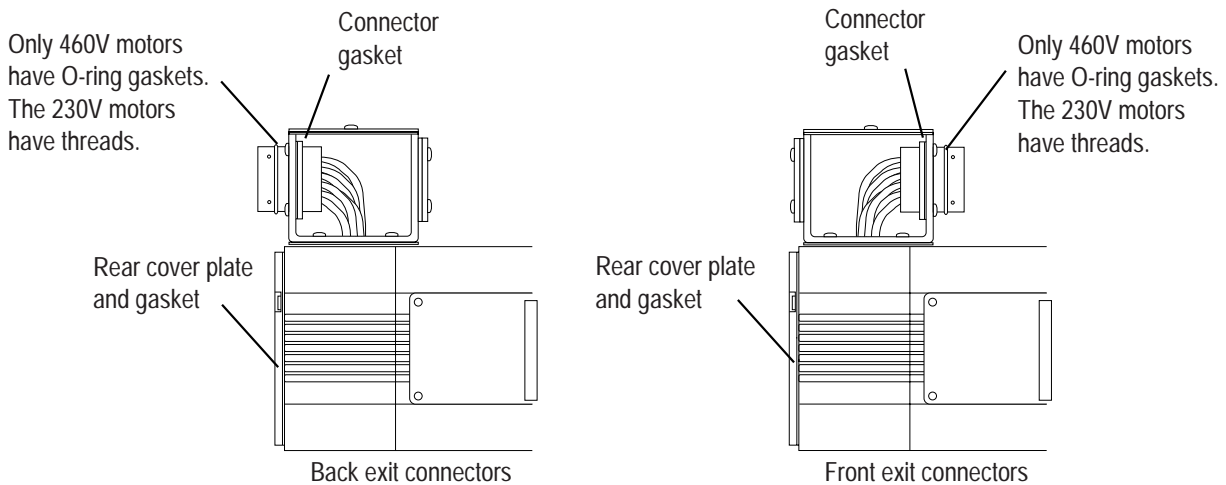
For this junction box:	Use:
1326AB-MOD-RJAB	Four 4-40 x 0.5 inch screws.
1326AB-MOD-RJBC	Two 6-32 x 0.5 inch screws for the larger mounting holes. Two 4-40 x 0.5 inch screws for the smaller mounting holes.
1326AB-MOD-RJAB1	Four M3 x 12 mm screws.
1326AB-MOD-RJC1	Two M3.5 x 16 mm screws for the larger mounting holes. Two M3 x 16 mm screws for the smaller mounting holes.

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## Mounting the Motor Connectors in the Motor Junction Box

To mount your motor connectors in the motor junction box:

1. Carefully remove the ring gasket from each connector.
2. Slide the motor power connector gasket onto the motor power connector.
3. Slide the motor resolver connector gasket onto the resolver connector.
4. Determine the connector position (either front exit or back exit).



5. Slide each connector through its hole in the junction box.
6. Fasten each connector and gasket to the junction box.

For this junction box:	Use:
1326AB-MOD-RJAB	Four 6-32 x 0.5 inch screws for each connector.
1326AB-MOD-RJBC	Four 8-32 x 0.5 inch screws for the motor power connector. Four 6-32 x 0.5 inch screws for the resolver connector.
1326AB-MOD-RJAB1	Four M3.5 x 16 mm screws for each connector.
1326AB-MOD-RJC1	Four M4 x 12 mm screws for the motor power connector. Four M3.5 x 16 mm screws for the resolver connector.

7. Carefully replace the ring gaskets for each connector.

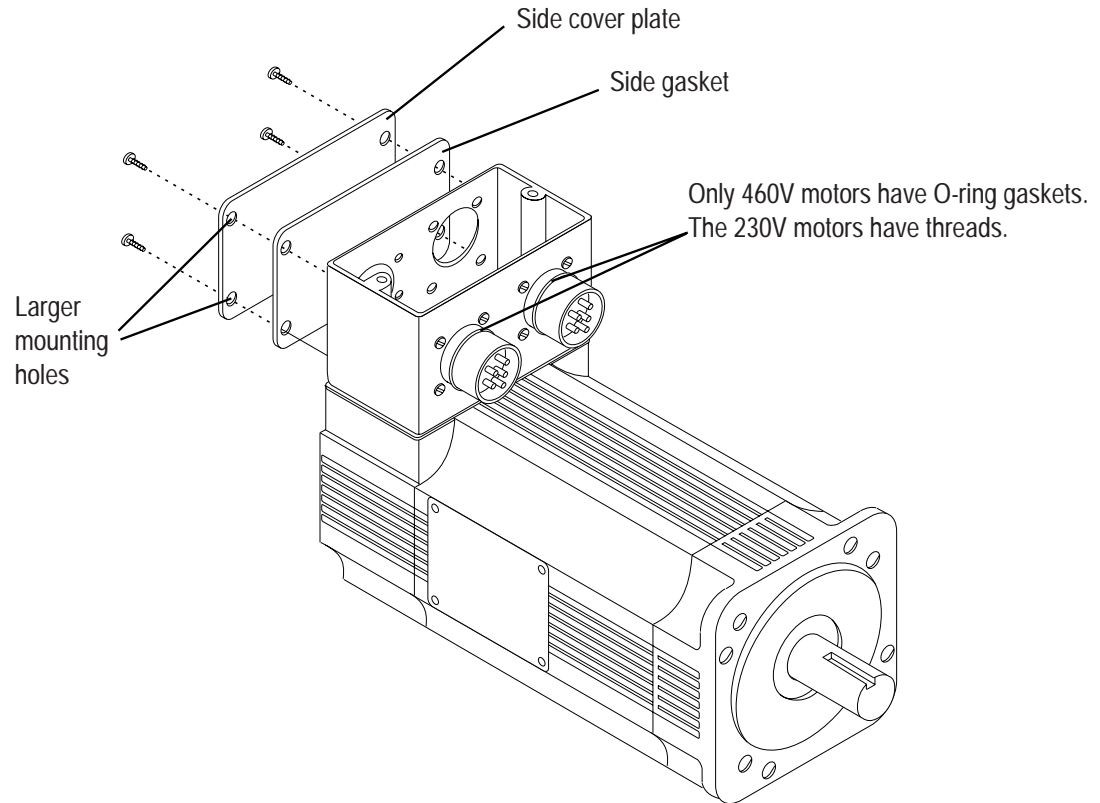
## Mounting the Side Cover Plate on the Motor Junction Box

To mount the side cover plate on the junction box:

1. Place the side gasket over the unused connector holes on the junction box.
2. Place the side cover plate over the side gasket.

### 3. Fasten the side cover plate and the gasket to the junction box.

For this junction box:	Use:
1326AB-MOD-RJAB	Four 8-32 x 0.5 inch screws.
1326AB-MOD-RJBC	Two 10-32 x 0.5 inch screws for the larger mounting holes. Two 8-32 x 0.5 inch screws for the smaller mounting holes.
1326AB-MOD-RJAB1	Four M4 x 12 mm screws.
1326AB-MOD-RJC1	Two M5 x 10 mm screws for the larger mounting holes. Two M4 x 10 mm screws for the smaller mounting holes.



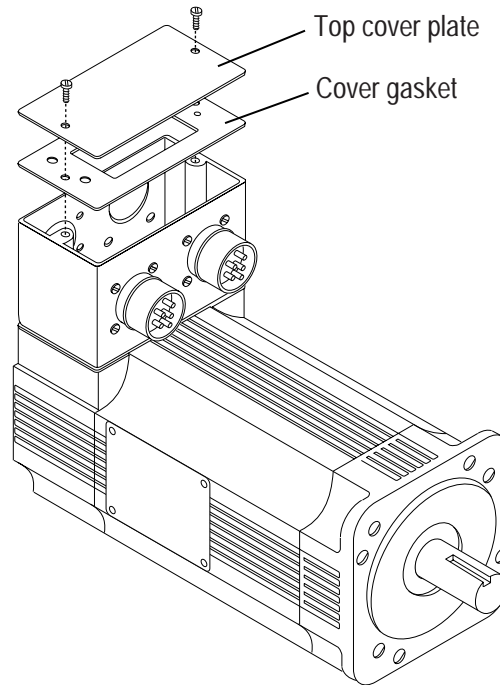
### Mounting the Top Cover Plate on the Motor Junction Box

To mount the top cover plate on the junction box:

1. Place the remaining cover gasket over the junction box.
2. Place the top cover plate over the cover gasket.

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3. Fasten the top cover plate and gasket to the junction box using the two M4 x 12 mm screws or the two 8-32 x 0.5 inch screws.



### Mounting the Rear Cover Plate on the Motor Housing

To mount the rear cover plate on the motor housing:

1. Inspect the rear housing to ensure that the motor power leads and resolver leads are clear of the motor shaft.
2. Mount the rear cover plate on the motor housing, making sure that you properly seat the rubber gasket.
3. Fasten the rear cover plate to the motor housing using the original screws.



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