

Installation and Instruction Manual for Dodge® Torque-Arm II Speed Reducer Belt Guard Assemblies

These instructions must be read thoroughly before installation or operation. This instruction manual was accurate at the time of printing. Please see baldor.com for updated instruction manuals.

Note! The manufacturer of these products, Baldor Electric Company, became ABB Motors and Mechanical Inc. on March 1, 2018. Nameplates, Declaration of Conformity and other collateral material may contain the company name of Baldor Electric Company and the brand names of Baldor-Dodge and Baldor-Reliance until such time as all materials have been updated to reflect our new corporate identity.

WARNING: To ensure that drive is not unexpectedly started, turn off and lock out or tag power source before proceeding.

Remove all external loads from drive before removing or servicing drive or accessories. Failure to observe these precautions could result in bodily injury.

WARNING: Ensure that all guards are properly installed before proceeding. Exercise extreme care to avoid contacting rotating parts. Failure to observe these precautions could result in bodily injury.

WARNING: All products over 25 kg (55 lbs) are noted on the shipping package. Proper lifting practices are required for these products.

TORQUE ARM II BELT GUARD INSTALLATION:

Two different belt guards are available for the Torque-Arm II speed reducer. One belt guard assembly is designed for mounting in position “B” and the other belt guard assembly is designed for mounting in position “C” as shown in Figure 1. It is important that the mounting position of the Torque-Arm II Motor Mount be determined prior to purchase of the belt guard as these two guards do not interchange and will be attached to the motor mount uprights.

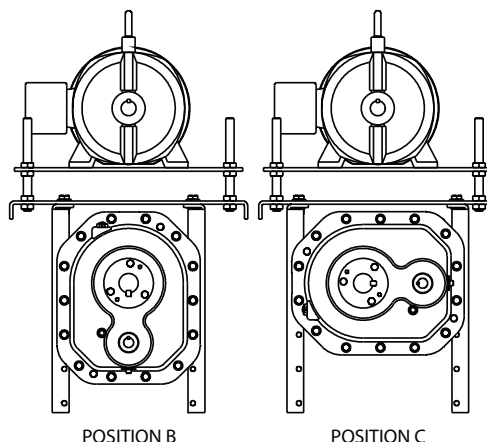


Figure 1 - Belt Guard Mounting Positions

WARNING: Because of the possible danger to person(s) or property from accidents which may result from the improper use of products, it is important that correct procedures be followed. Products must be used in accordance with the engineering information specified in the catalog. Proper installation, maintenance and operation procedures must be observed. The instructions in the instruction manuals must be followed. Inspections should be made as necessary to assure safe operation under prevailing conditions. Proper guards and other suitable safety devices or procedures as may be desirable or as may be specified in safety codes should be provided, and are neither provided by ABB nor are the responsibility of ABB. This unit and its associated equipment must be installed, adjusted and maintained by qualified personnel who are familiar with the construction and operation of all equipment in the system and the potential hazards involved. When risk to persons or property may be involved, a holding device must be an integral part of the driven equipment beyond the speed reducer output shaft.

Vertical Installation (Position B):

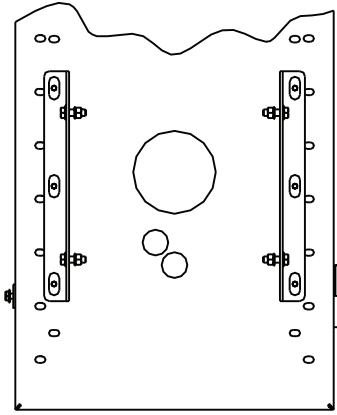


Figure 2 - Mounting Brackets in Position B

1. Remove belt guard and hardware from box and verify all parts are available. The belt guard assembly consists of one back cover, one front cover, two brackets, and necessary hardware.
2. Using the hardware provided, assemble the two brackets to the back cover as shown in Figure 2. Note that the brackets are mounted so that the angles of the brackets are mounted to the inside. Do not fully tighten these bolts.
3. Position back cover over the motor shaft and reducer input shaft. The long slot in the back cover fits over the motor shaft.
4. Align the back cover assembly to the Torque-Arm II Motor Mount and attach using four cap screws, washers, and nuts. Securely tighten the brackets to the motor mount and back cover.
5. Install motor and reducer sheaves. Install belts and adjust accordingly.
6. Position and install the front cover onto the back cover.
Note: The front cover is designed with an extended lip at the top of the cover and installs over the top of the back cover.
7. Secure the front cover with four cap screws and washers.
8. Check machine for proper operation.

Horizontal Installation (Position C):

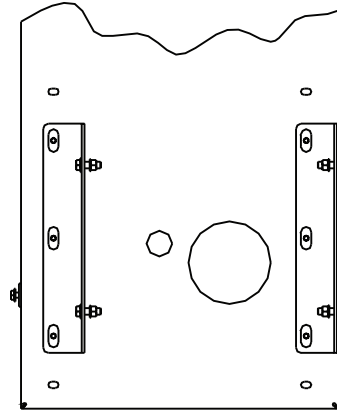


Figure 3 - Mounting Brackets in Position C

1. Remove belt guard and hardware from box and verify all parts are available. The belt guard assembly consists of the back cover, one front cover, two brackets, and necessary hardware.
2. Using the hardware provided, assemble the two brackets to the back cover as shown in Figure 3. Note that the brackets are mounted so that the angles of the brackets are mounted in the same direction. Do not fully tighten these bolts.
3. Position back cover over the motor shaft and reducer input shaft. The long slot in the back cover fits over the motor shaft.
4. Align the back cover assembly to the Torque-Arm II Motor Mount and attach using four cap screws, washers, and nuts. Securely tighten the brackets to the motor mount and back cover.
5. Install motor and reducer sheaves. Install belts and adjust accordingly.
6. Position and install the front cover onto the back cover.
Note: The front cover is designed with an extended lip at the top of the cover and installs over the top of the back cover.
7. Secure the front cover with four cap screws and washers.
8. Check machine for proper operation.

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