Instruction Manual for DODGE®
Stand-off Backside Seal and Tool

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 the drive is not unexpectedly started, turn off and lock-out or tag power source before proceeding. 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.

This manual is to be used in conjunction with bearing installation manual, MN3016.

The Backside Seal and Installation tool is only for use with DODGE Stand-off housings.

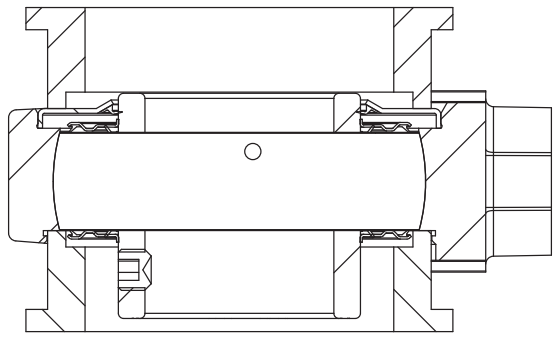

Figure 1 - Tool, insert, housing and Backside Seal orientation. Backside Seal installed.

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.

Installation

1. This installation process is specific to DODGE Stand-off Backside Seals. Deviation from the listed procedure may lead to bearing and/or seal damage. Read these instructions carefully and thoroughly.
2. The bearing insert may “swivel” in the housing. Ensure that the bore is perpendicular to the mounting bolt holes in pillow block/tapped base housings and parallel in flange housings.
3. Place the installation tool, flange side down, on a flat surface. Secure to the table if possible.
4. Place the bearing on top of the installation tool with the setscrews oriented down and the housing Backside Seal bore facing up, as shown in Figure 1.

   NOTE: The bearing housing is resting on the installation tool, not the bearing insert.

5. Rest the Backside Seal, with the flat side facing up, in the backside housing counterbore (opposite the setscrew side). The seal shall be positioned so it slides over the inner ring of the bearing.
6. Place the second tool on top of the Backside Seal, flange side up.
7. Using a dead-blow hammer or mallet, tap around the flange on the installation tool to drive the Backside Seal into the bearing housing. Avoid directly impacting the seal – use the installation tool. The tool is designed so that hammer blows are directed through the tool, seal and bearing housing only, isolating the insert.

   NOTE: Never strike any part of the bearing insert, directly or indirectly. Do not damage the seal during install.

8. If necessary, slightly swivel the bearing insert in the housing to ensure an even gap between the seal carrier and the bearing inner ring, as shown in Figure 3. **There should be no metal to metal contact.** The seal is designed for maximum allowable misalignment of +/- 2 degrees. Ensure that clearance between the inner ring and seal is maintained through installation and operation. Ensure bearing alignment is proper.

Figure 2 - Four Bolt flange Stand-off bearing without Backside Seal installed

Figure 3 - Four bolt flange Stand-off bearing with Backside Seal installed. The even gap around the seal carrier and inner ring shall be maintained

Stand-off Series	Installation Tool Part Number*	Backside Seal Part Number
204	138985	137695
205	138986	137696
206	138987	137697
207	137988	137698
208	137989	137699

*Tool includes two halves for installation

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