

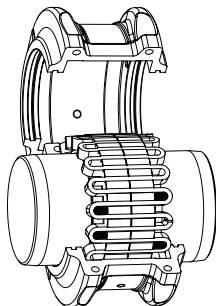
Installation Manual for GRID-LIGN Limited End Float Kit

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

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 explains how to properly reduce the allowable end float of DODGE Grid-Lign Couplings using the DODGE Limited End Float Kit. This kit is available for Grid-Lign T10 & T20 couplings, in sizes 1030 – 1160.



The Limited End Float Kit will reduce the allowed axial movement of the coupling to approximately 0.06 when properly assembled.

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 Dodge nor are the responsibility of Dodge. 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

STEP 1: INSTALL COUPLING HUBS

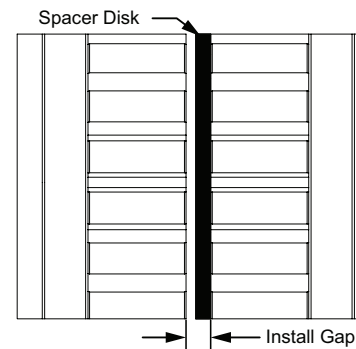
Install the hubs and seals of the coupling per Steps 1-3 of the Grid-Lign instruction manual (MN4001).

STEP 2: POSITION AND ALIGN SHAFTS

Set the floating shaft at the center of its travel length. Secure the shaft axially at this position. Position the fixed shaft such that the end float is equal to the install gap dimension shown in Table 1 for the coupling size in use. Align the coupling per Step 4 of the Grid-Lign instruction manual, while maintaining this gap.

STEP 3: INSTALL SPACER DISC

Insert the spacer disc in between the coupling hubs.



STEP 4: INSTALL COUPLING GRID

Hand-pack hub teeth with grease. Install the coupling grid per Step 5 of the Grid-Lign instruction manual. Do not install the coupling cover at this time.

STEP 5: INSTALL COIL SPACERS

Insert the coil spacers into the grid, per the instructions for the coupling size in use.

- A. **Sizes 1030 through 1060T** – Insert 2 coil spacers at each end of the grid, as shown in Figure 1, then insert the other 4 spacers in the same pattern, 180° from the split coil (8 spacers per grid).

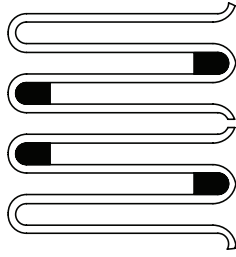


Figure 1 - Coil Spacers for sizes 1030 through 1060T

B. Sizes 1070 through 1090T – Insert coil spacers in the last 4 coils of each grid half (8 spacers per grid half), as shown in Figure 2.

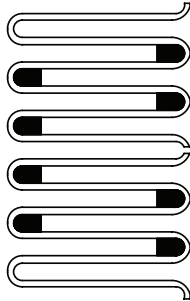


Figure 2 - Coil Spacers for sizes 1070 through 1090T

C. Sizes 1100 through 1160T – Insert coil spacers in every other coil as shown in Figure 3. Remaining coil spacers should be distributed evenly among any open coils.

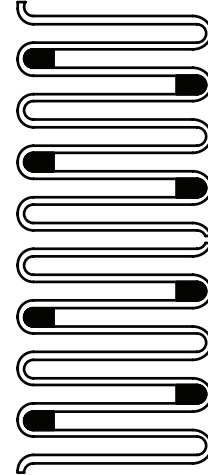


Figure 3 - Coil Spacers for sizes 1100 through 1600T

STEP 6: COMPLETE INSTALLATION OF COUPLING

Complete any remaining installation procedures for the coupling, per the Grid-Lign instruction manual. After installation, follow all maintenance and repair guidelines for the Grid-Lign coupling, outlined in the instruction manual.

Table 1 - Limited End Float Dimensions (Inches)

Size	LEF Kit Part Number	Install Gap	Spacer Disc		Coil Spacers	
			Diameter	Thickness	Qty. per Coupling	Length (±0.020)
1030T	007939	0.125	2.188	0.062	8	0.315
1040T	007940	0.125	2.500	0.062	8	0.315
1050T	007941	0.125	2.750	0.062	8	0.371
1060T	007942	0.125	3.000	0.062	8	0.371
1070T	007943	0.125	3.750	0.062	16	0.460
1080T	007944	0.125	4.375	0.125	16	0.500
1090T	007945	0.125	5.250	0.188	16	0.630
1100T	007946	0.188	6.000	0.188	16	0.650
1110T	007947	0.188	6.750	0.250	20	0.780
1120T	007948	0.375	7.500	0.250	20	0.830
1130T	007949	0.375	9.000	0.250	24	0.890
1140T	007950	0.375	10.500	0.250	32	1.010
1150T	007951	0.375	12.000	0.250	24	0.920
1160T	007952	0.375	13.500	0.250	32	1.120
1170T	007953	0.375	15.500	0.250	40	1.320

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