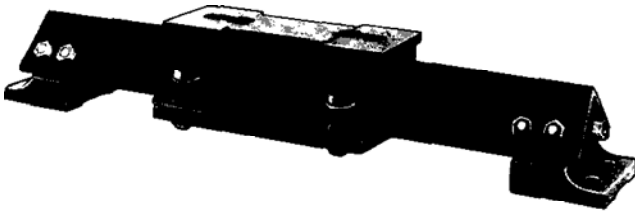


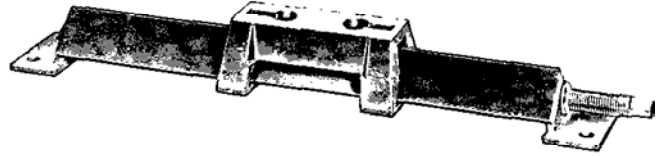
INSTRUCTION MANUAL

for

LD AND HD TAKE-UP FRAME ASSEMBLIES



HD TAKE-UP FRAME



LD TAKE-UP FRAME

- 1) Make sure that the take-up frame will accommodate the required bearing.
- 2) Bolt frame to mounting structure using adequate bolts and under extreme loading, a stop bar should be welded to the mounting structure in the direction of load.
- 3) If two frame assemblies are used to support a shaft, make sure that the frame angles are parallel to each other to prevent binding and preloading of the bearing.
- 4) Mount bearing per the instruction manual supplied with the bearing.
- 5) Tighten hold down bolts to the recommended torque values shown on the tables.
- 6) When tensioning the belt of a conveyor system—insure that the two take-up frames move in tandem.

Adjusting screws on each take-up should be turned simultaneously in small increments to prevent excessive misalignment loads on the bearings.

Bearing Mounting Bolt Torque Recommendations

| Bolt Dia. | Torque Ft.-Lbs. |
|-------------------|-----------------|
| $\frac{3}{8}$ -16 | 20 |
| $\frac{1}{2}$ -13 | 50 |
| $\frac{5}{8}$ -11 | 100 |
| $\frac{3}{4}$ -10 | 175 |
| $\frac{7}{8}$ -9 | 170 |
| 1-8 | 250 |
| $1\frac{1}{8}$ -7 | 350 |

Note: LD Frames are welded together and must be replaced as a unit.

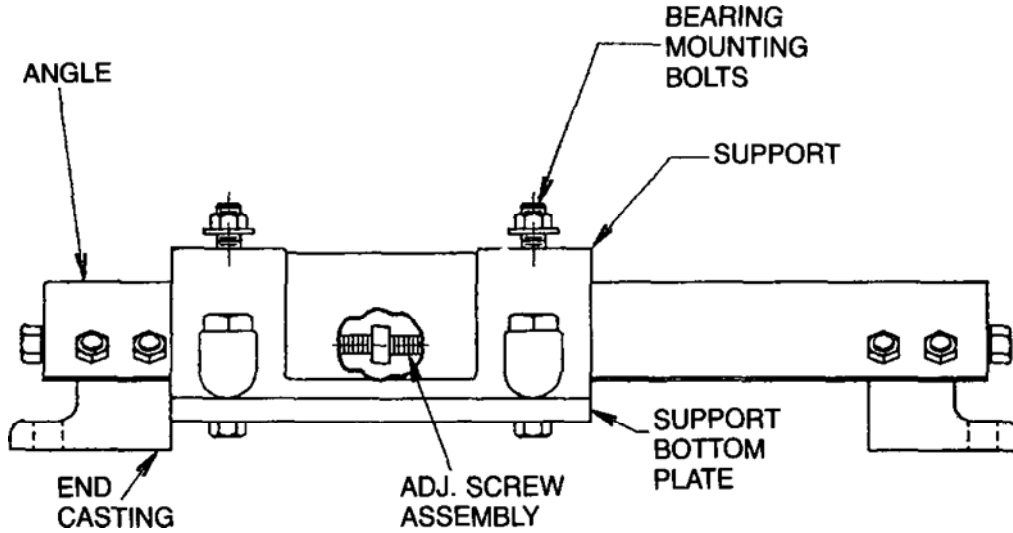
WARNING: Because of the possible danger to person(s) or property from accidents which may result from the improper use of products, it is important that correct procedures be followed: Products must be used in accordance with the engineering information specified in the catalog. Proper installation, 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 Reliance nor are the responsibility of Reliance. 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 failsafe device must be an integral part of the driven equipment beyond the speed reducer output shaft.



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HD TAKE-UP FRAME ASSEMBLIES



| Frame Size and Travel | Adj. Screw Assembly | Support | Support Bottom Plate | Angle | End Casting (2/Frame) | Brg. Mounting Bolts (2/Frame) |
|-----------------------|---------------------|---------|----------------------|--------|-----------------------|-------------------------------|
| 200 x 12 | 089084 | 089001 | 089005 | 089050 | 089009 | 416173 |
| 200 x 18 | 089085 | 089001 | 089005 | 089051 | 089009 | 416173 |
| 200 x 24 | 089087 | 089001 | 089005 | 089052 | 089009 | 416173 |
| 200 x 30 | 089089 | 089001 | 089005 | 089053 | 089009 | 416173 |
| 200 x 36 | 089109 | 089001 | 089005 | 089142 | 089009 | 416173 |
| 200 x 48 | 089137 | 089001 | 089005 | 089138 | 089009 | 416173 |
| 250 x 12 | 089163 | 089002 | 089006 | 089165 | 089010 | 416229 |
| 250 x 18 | 089086 | 089002 | 089006 | 089054 | 089010 | 416229 |
| 250 x 24 | 089088 | 089002 | 089006 | 089055 | 089010 | 416229 |
| 250 x 30 | 089090 | 089002 | 089006 | 089056 | 089010 | 416229 |
| 250 x 36 | 089091 | 089002 | 089006 | 089057 | 089010 | 416229 |
| 250 x 48 | 089189 | 089002 | 089006 | 089191 | 089010 | 416229 |
| 300 x 12 | 089144 | 089003 | 089007 | 089139 | 089011 | 416231 |
| 300 x 18 | 089092 | 089003 | 089007 | 089058 | 089011 | 416231 |
| 300 x 24 | 089094 | 089003 | 089007 | 089060 | 089011 | 416231 |
| 300 x 30 | 089096 | 089003 | 089007 | 089062 | 089011 | 416231 |
| 300 x 36 | 089098 | 089003 | 089007 | 089064 | 089011 | 416231 |
| 300 x 48 | 089147 | 089003 | 089007 | 089145 | 089011 | 416231 |
| 350 x 12 | 089192 | 089004 | 089008 | 089194 | 089011 | 416275 |
| 350 x 18 | 089093 | 089004 | 089008 | 089059 | 089011 | 416275 |
| 350 x 24 | 089095 | 089004 | 089008 | 089061 | 089011 | 416275 |
| 350 x 30 | 089097 | 089004 | 089008 | 089063 | 089011 | 416275 |
| 350 x 36 | 089099 | 089004 | 089008 | 089065 | 089011 | 416275 |
| 350 x 48 | 089254 | 089004 | 089008 | 089253 | 089011 | 416275 |
| 400 x 12 | 089160 | 089018 | 089019 | 089158 | 089011 | + |
| 400 x 18 | 089100 | 089018 | 089019 | 089066 | 089011 | + |
| 400 x 24 | 089216 | 089018 | 089019 | 089217 | 089011 | + |
| 400 x 30 | 089238 | 089018 | 089019 | 089237 | 089011 | + |
| 400 x 36 | † | 089018 | 089019 | † | 089011 | + |
| 400 x 48 | 089149 | 089018 | 089019 | 089148 | 089011 | + |
| 500 x 12 | 089195 | 089101 | 089102 | 089197 | 089049 | + |
| 500 x 18 | 089110 | 089101 | 089102 | 089140 | 089049 | + |
| 500 x 24 | † | 089101 | 089102 | † | 089049 | + |
| 500 x 30 | † | 089101 | 089102 | † | 089049 | + |
| 500 x 36 | 089111 | 089101 | 089102 | 089141 | 089049 | + |
| 500 x 48 | 089176 | 089101 | 089102 | 089174 | 089049 | + |

† Consult DODGE for Availability

+ Not Applicable