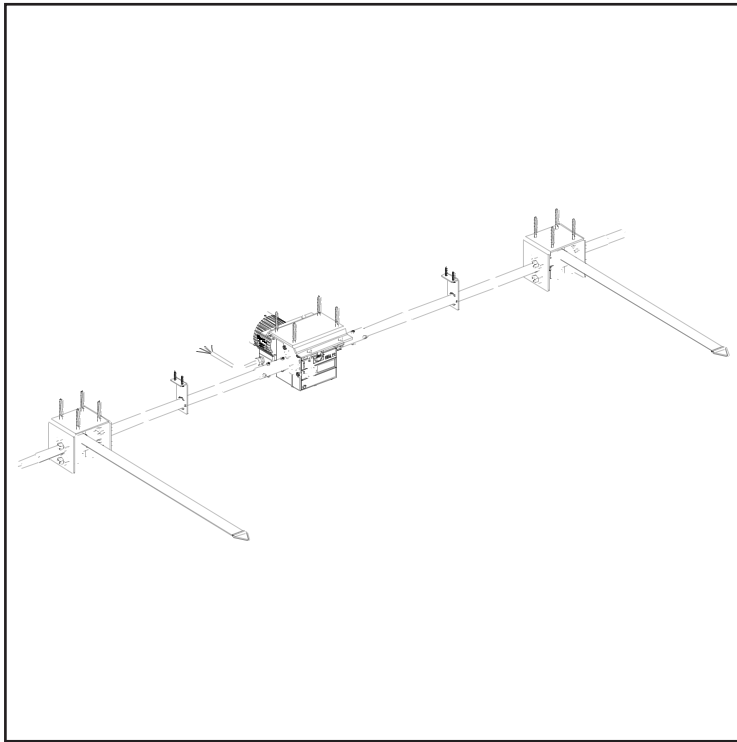


Instruction Manual



Pipe Drive for LA Actuators

Pipe Drive

Models: ID2M10



Pipe Drive for LA actuator

Manual for use and Maintenance

Thank You:

Thank you for purchasing a Munters Pipe Drive. Munters equipment is designed to be the highest performing, highest quality equipment you can buy. With the proper installation and maintenance it will provide many years of service.

Please Note:

To achieve maximum performance and insure long life from your Munters product it is essential that it be installed and maintained properly. Please read all instructions carefully before beginning installation.

Warranty:

For Warranty claims information see the "Warranty Claims and Return Policy" form QM1021 available from the Munters Corporation office at 1-800-227-2376 or by e-mail at aghort.info@munters.com.

Conditions and Limitations:

- Products and Systems involved in a warranty claim under the "Warranty Claims and Return Policy" shall have been properly installed, maintained and operated under competent supervision, according to the instructions provided by Munters Corporation.
- Malfunction or failure resulting from misuse, abuse, negligence, alteration, accident or lack of proper installation or maintenance shall not be considered a defect under the Warranty.

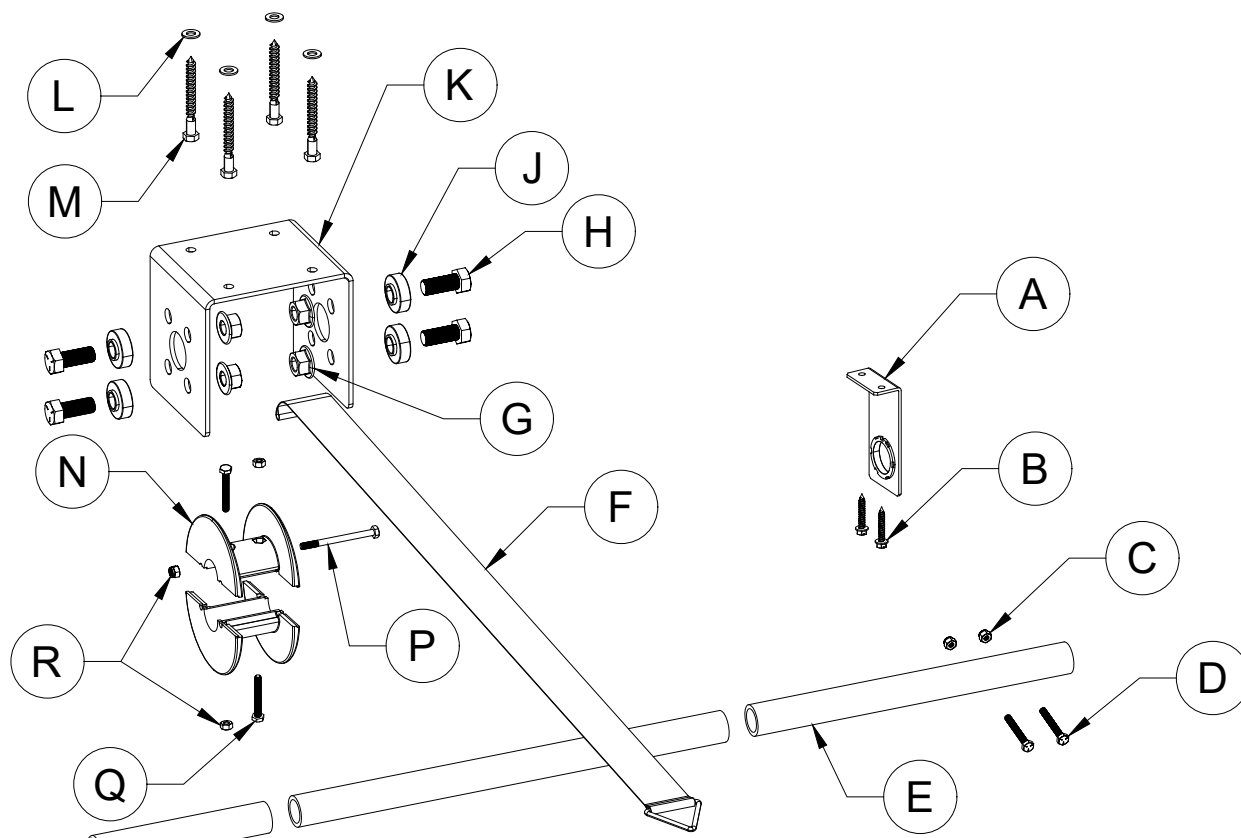
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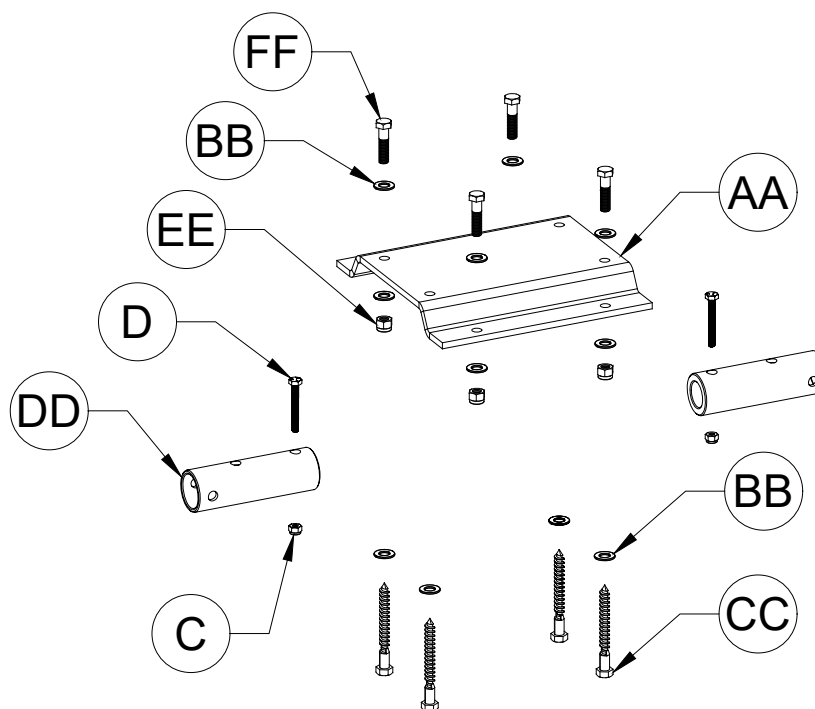
Unpacking the Equipment

1.

1.1 Exploded View



Inlet Pipe Drive Kit - ID2M10



Coupler/Mounting Kit - AC3900

1.2 Parts List

Tag	Part Name/Description	LA10/LA12 Part No.
Parts Shipped with Pipe Drive Kit		
A	4-Bearing Bracket for 1" pipe, ZP	AC1406
B	1/4"x1.5" Hex Lag Screw, ZP	KS2463
C	3/8"-16 Nylock Nut, ZP	KN1709
D	3/8"-16x2.25" Hex Bolt, ZP	KS1064
E	1" SCHD 10 Pipe, 126"L, 12 GA, GZ	AC1415
F	2"W. x 1M(39.37")L. Poly Web Belt w/ Triangle Clip	AC1405
G	5/8"-18 Nylock Jam Nut, ZP	KN1721
H	5/8"-18x1.5" Hex Bolt, ZP	KS1076
J	Bearing, Ball, Insert Type, Double Seal	AC1428
K	Ball Bearing Mounting Bracket, 1" Pipe, CTDSTL	AC1404
L	3/8" Flat Washer, ZP	KW3036
M	3/8"x3.5" Hex Lag Screw, HOT DIP GZ	KS2462
N	Drum Section for 2"W. Belt, 1" Pipe, AL	AC1395
P	1/4"-20x3.25" Hex Bolt, ZP	KS1058
Q	1/4"-20x2" Hex Bolt, ZP	KS1055
R	1/4"-20 Nylock Nut, ZP	KN1705
Coupler/Mounting Kit for LA10/LA12		AC3900
AA	Actuator Mounting Bracket, PWDCTD	AC1434
BB	3/8" Flat Washer, ZP	KW3036
CC	3/8"x3.5" Hex Lag Screw, HOT DIP GZ	KS24262
DD	Straight Coupling, Lock Actuator to 1" Pipe, ZP	AC3706
EE	3/8"-16 Nylock Nut, ZP	KN1709
FF	3/8"-16x1.5" Hex Bolt, ZP	KS1022

* Before beginning installation, check the overall condition of the equipment. Remove packing materials, and examine all components for signs of shipping damage. Any shipping damage is the customer's responsibility and should be reported immediately to your freight carrier. Fan is shipped complete with all accessories. Remove shutter, guard and cone sections before proceeding with installation.

2.1 Installation Instructions

Step 1

Determine and mark with a chalk line where center of the IA Actuator and Pipe Drive system will be located. It is ideal to locate the Actuator over an aisle to make it more accessible for maintenance. The Pipe Drive system should be located a minimum of 60" from the end of the slot to the center of the Pipe. Also determine where the Pull Points will be and mark the intersecting spot on the chalk line. These should be in line with the Pipe and the center of the baffle runs. [See Figure 1](#)

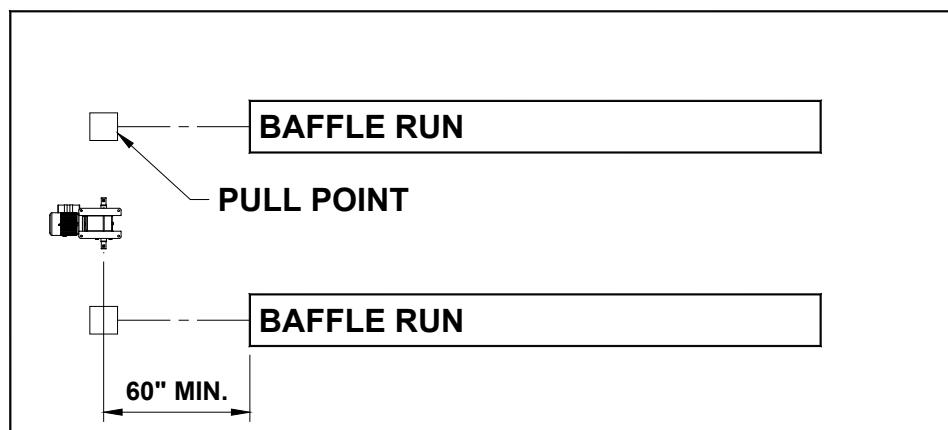
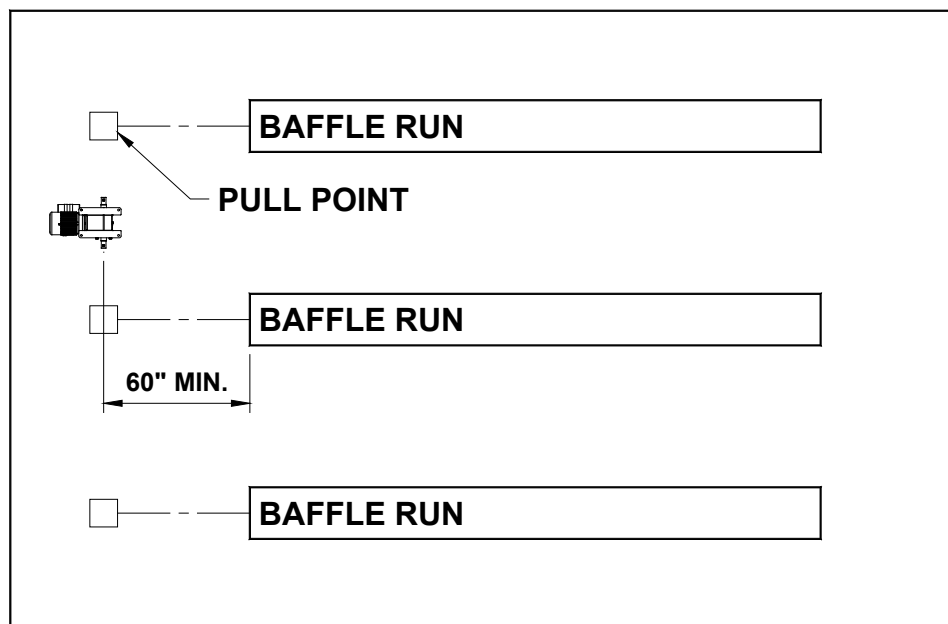


Figure 1

Step 2

Attach Mounting Bracket [AA] to the LA actuator using (4) Bolts [FF], Washers [BB] and Nuts [EE].
See Figure 2A.

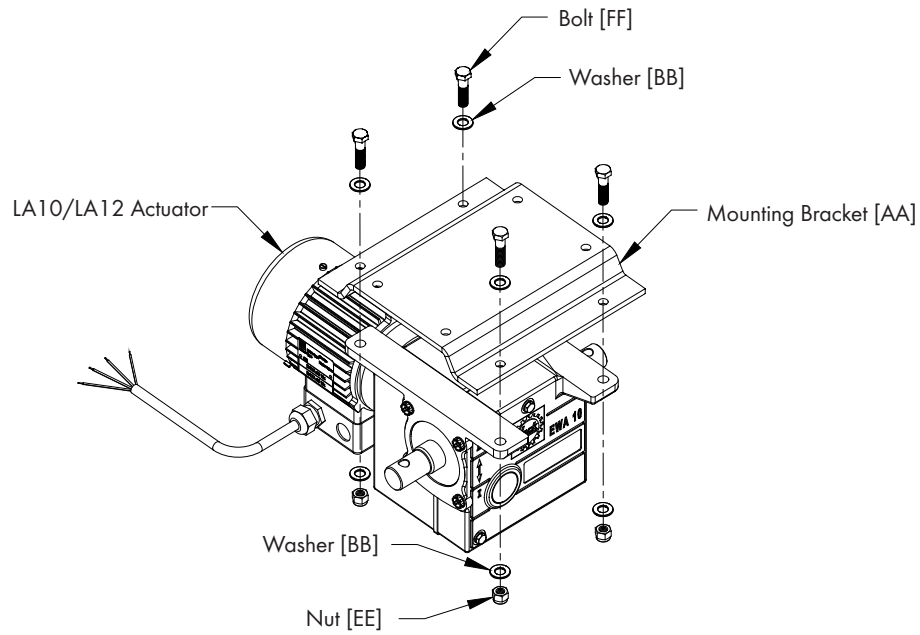


Figure 2A

Step 3

Mount the LA Actuator with Mounting Bracket to the ceiling using (4) Washers [B] and Lag Screws [CC], making sure the shafts of the Actuator are in line with the direction that the Pipe will be running.
See Figure 2B.

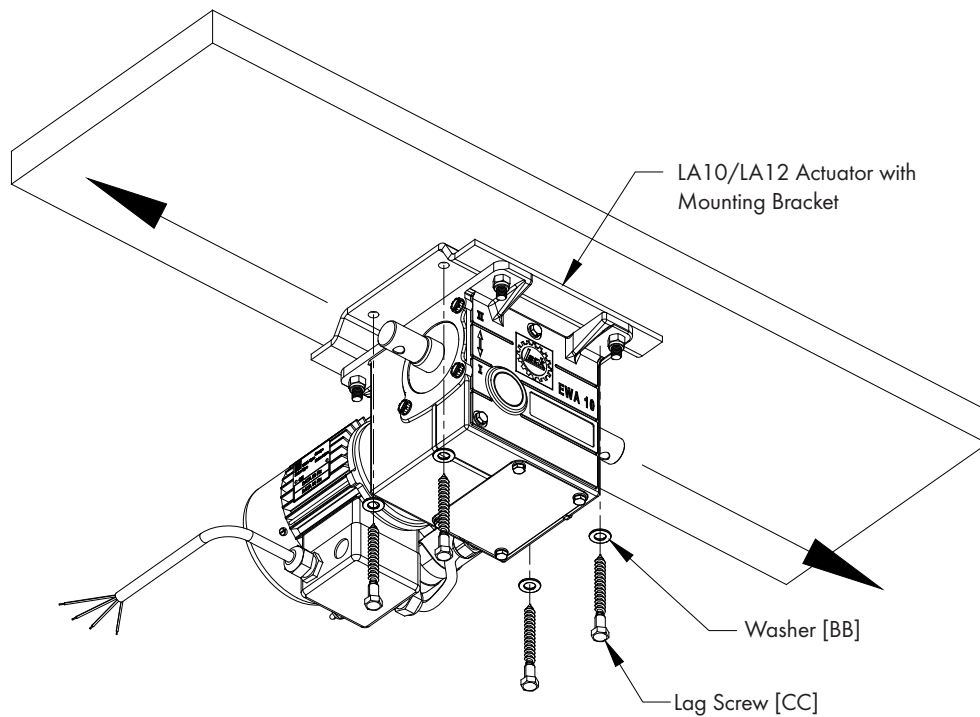


Figure 2B

Step 4

Install Straight Coupler [DD] on shaft of Actuator and secure with Bolt [D] and Nut [C]. Repeat for 2nd shaft. See Figure 3.

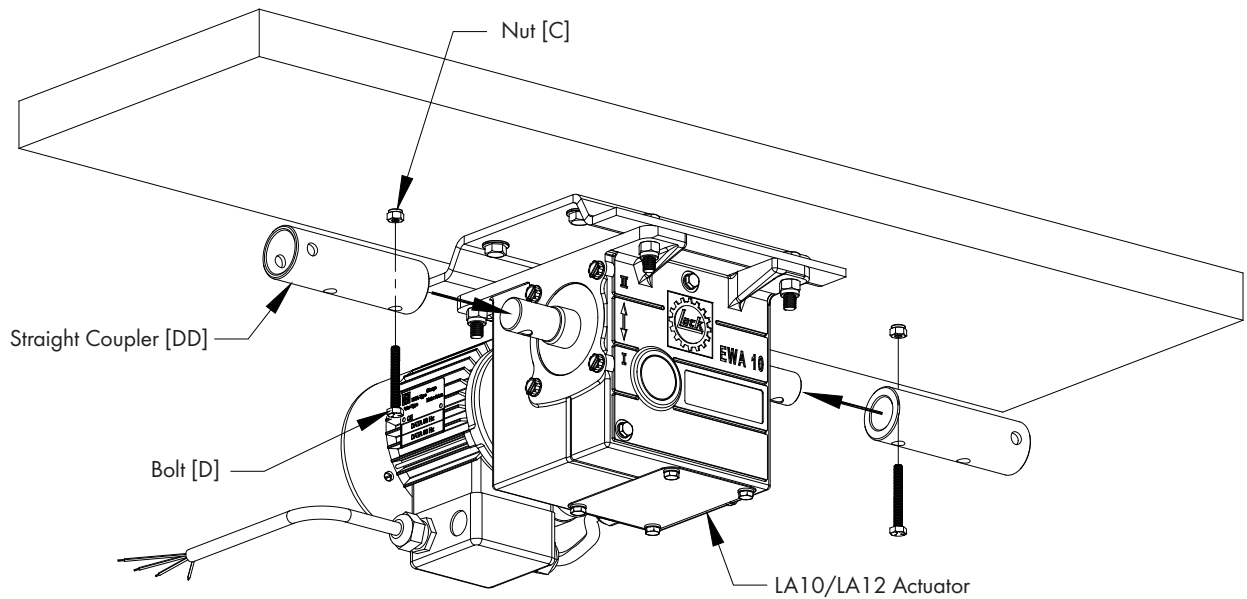


Figure 3

Step 5

Find 1 of the AC1415 Pipes [G] and slide the large end of the pipe into the Straight Coupler [DD]. Using the holes in the Straight Coupler [DD] as a guide and a $\frac{13}{32}$ " drill bit, drill holes in pipe to allow for installation of the bolts. Then secure the Pipe to the Coupler using (2) Bolts [D] and Nuts [C]. See Figure 4.

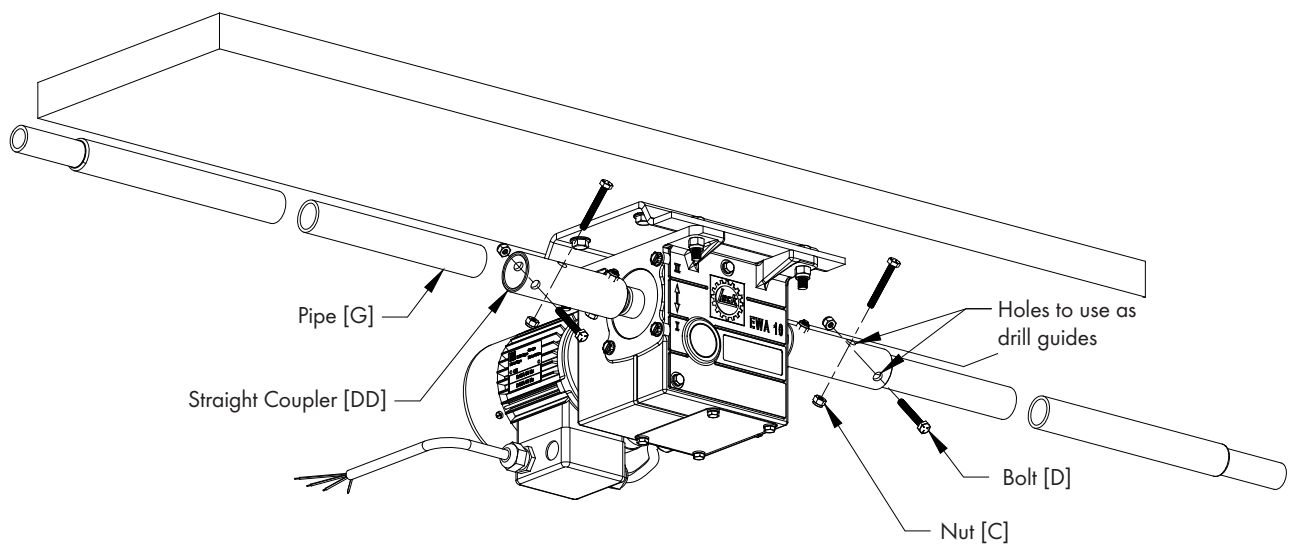
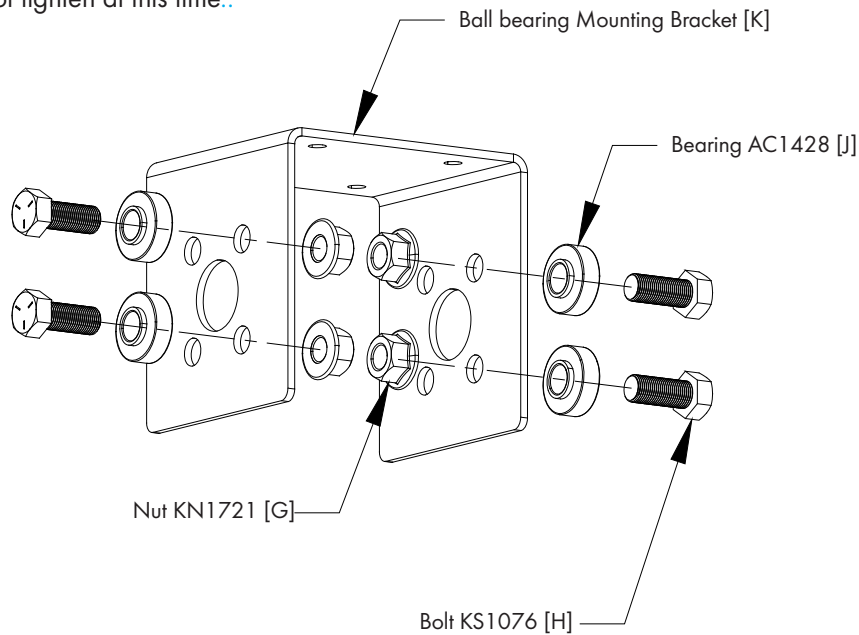


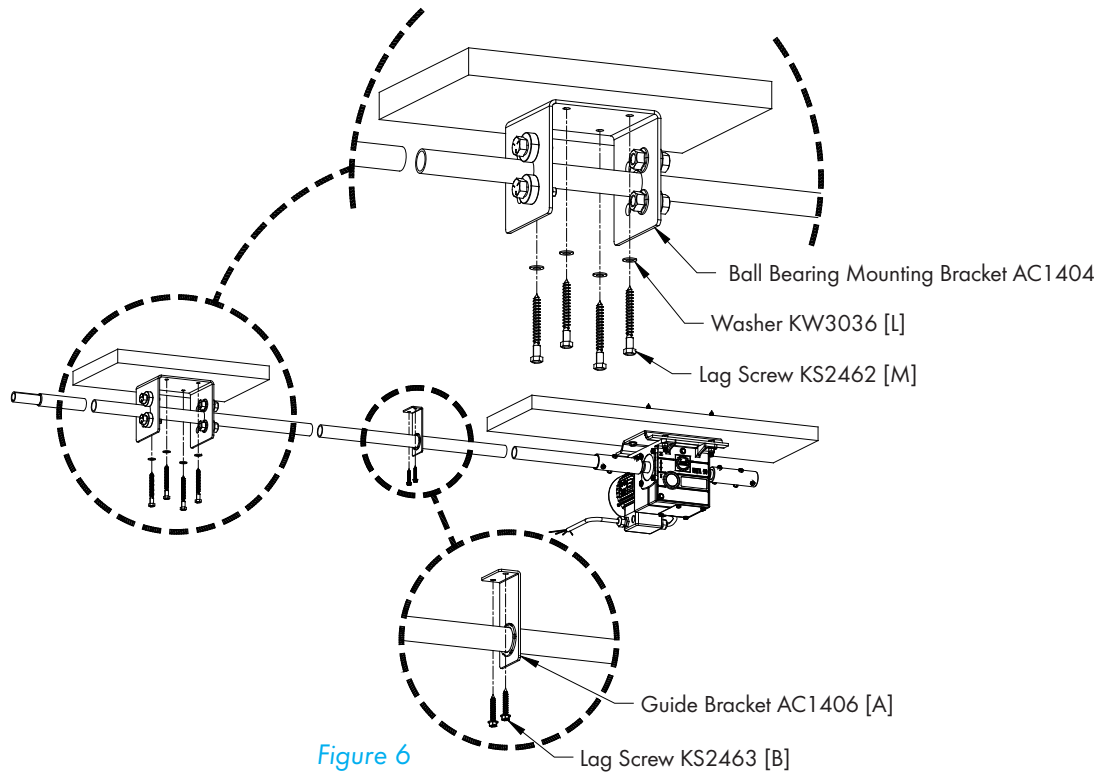
Figure 4

Step 6

On a Ball Bearing Mounting Bracket AC1404 [K] fasten (4) AC1428 Bearings [J] using (4) KS1076 Bolts [H] and KN1721 Nuts [G]. See Figure 5. If a double belt system is being install (8) Bearings, Bolts and Nuts, but do not tighten at this time..

**Figure 5****Step 7**

On the previously installed pipe, slide (1) AC1406 Guide Bracket [A] onto the pipe, then slide the Ball Bearing Mounting Bracket AC1404 with the Bearings installed onto the pipe. The Bearings must be towards the inlet that will be pulled. See Figure 6. Position the Mounting Bracket so the center of the Bracket lines up with the center of the Baffle Run and fasten to the ceiling/framing using (4) KW3036 Washer [L] and KS2462 Lag Screw [M]. Then position the Guide Bracket [A] half way between the Actuator and the Ball Bearing Mounting Bracket and fasten to the ceiling/framing using (2) KS2463 Lag Screws [B]. See Figure 6.

**Figure 6**

Step 8

If required slide the next AC1415 Pipe [G] over the end of the previously installed pipe and use a $\frac{13}{32}$ " drill bit to drill 2 holes completely through the 2 pipes. Then fasten the pipes together using (2) Bolt [D] and Nut [C].

See Figure 7.

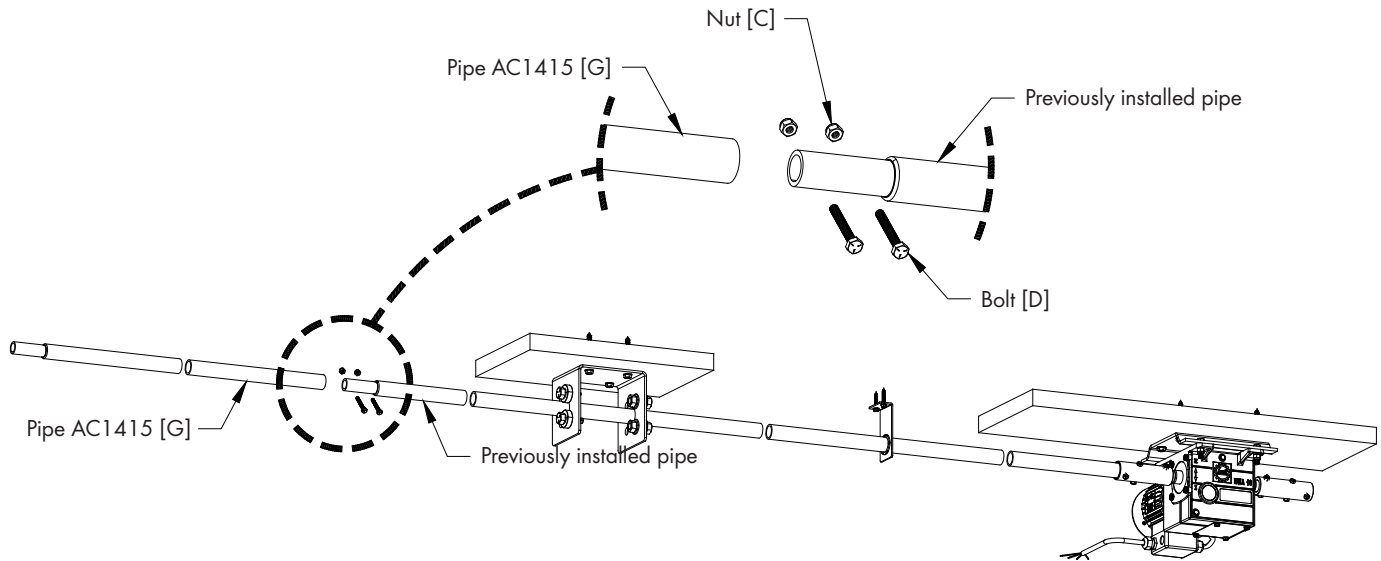


Figure 7

Step 9

Find (2) AC1395 Drum Section [N] halves and put them together over the pipe in the Ball Bearing Mounting Bracket. While holding these pieces together use a $\frac{3}{32}$ " drill bit and drill through the pipe using the indentations as a drill guide. See Figure 8.

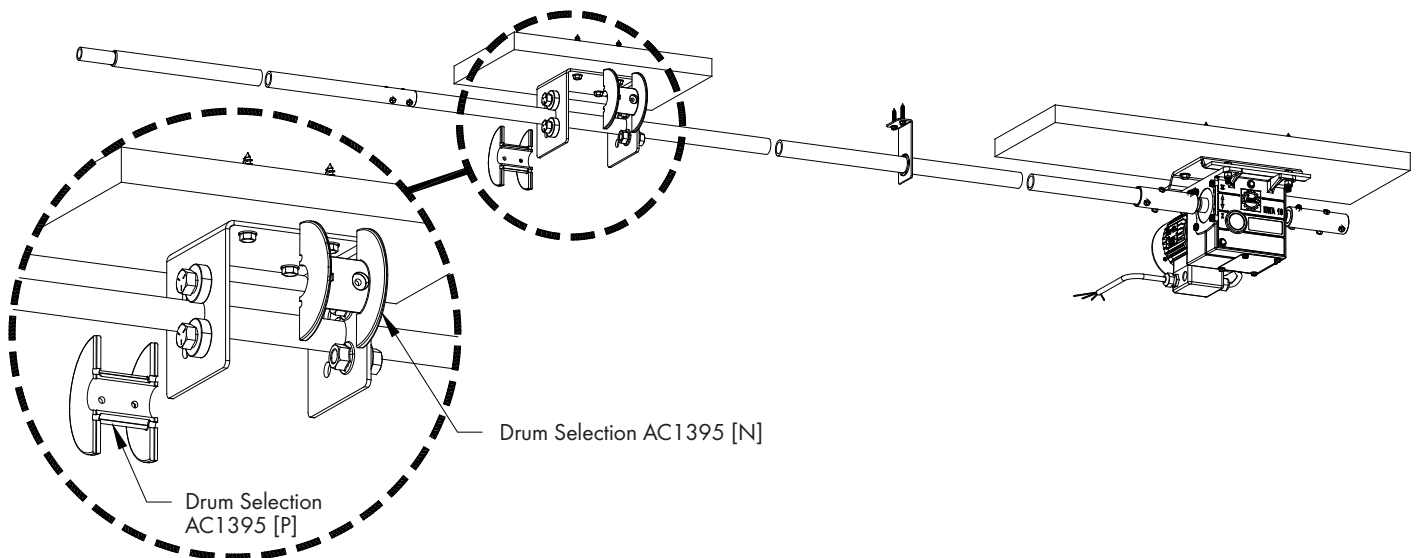


Figure 8

Step 10

Insert (1) KS1058 Bolt [P] through the end of Belt [F] and secure with KN1705 Nut [R], only start the nut do not thread on completely. Then while holding the (2) AC1395 Drum Section [P] halves up to the pipe wrap the bolt end of the belt around the Drum halves and place the bolt in the notches for the bolt and then fasten the Drum halves together using (2) KS1055 Bolt [Q] and KN1705 Nut [R]. See Figure 9.

Note:

To safely use the belt drum and winch belt of the IA actuator it is necessary to pre-wind the belt at least $\frac{1}{2}$ a revolution onto the drum for both single belt or double belt use. See Figure 10.

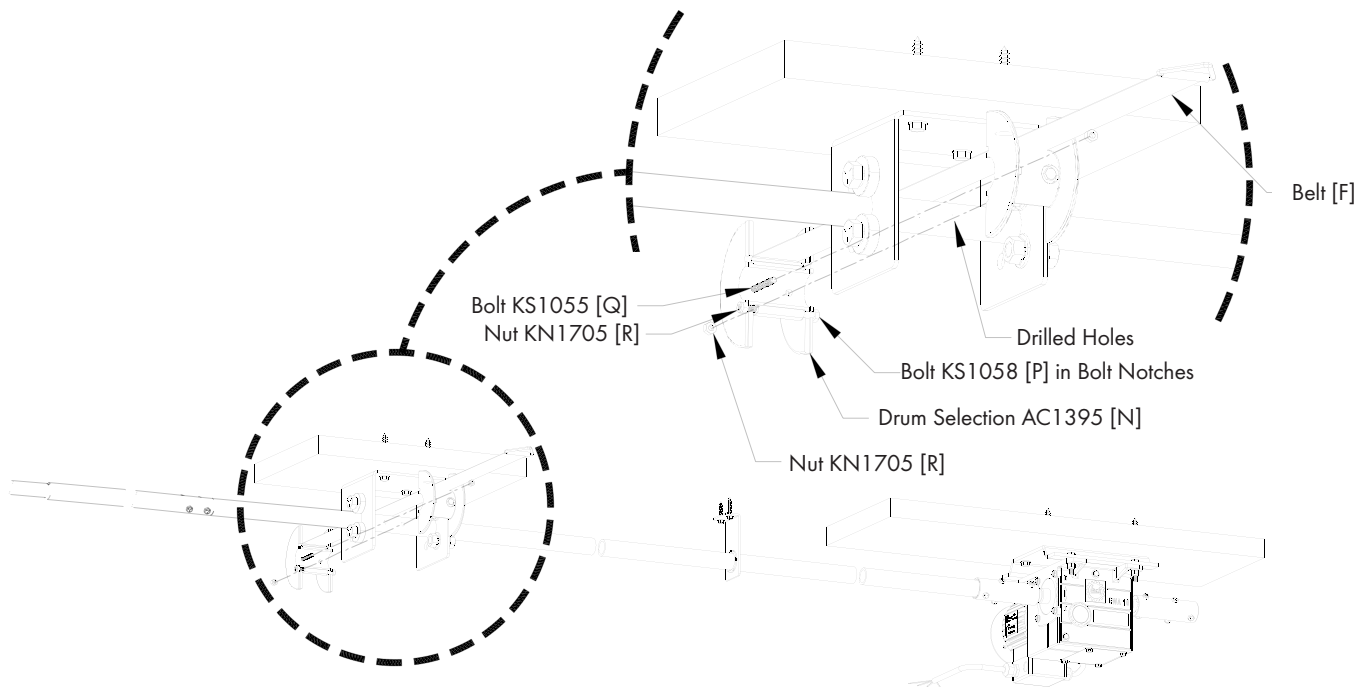
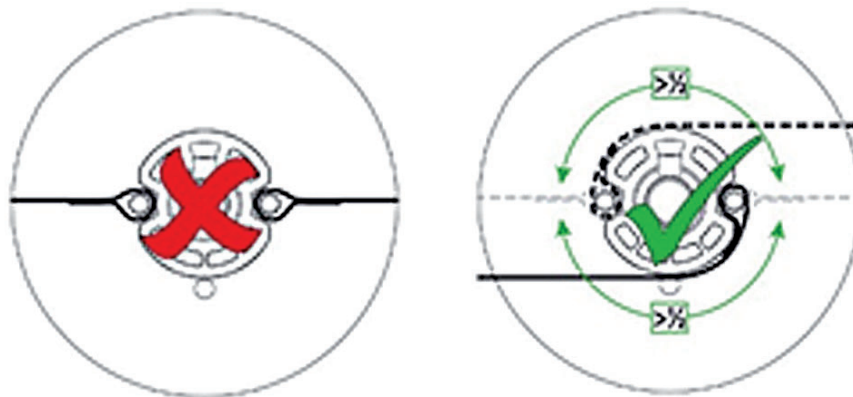


Figure 9

Belt drum with single or double belt:

- At least $\frac{1}{2}$ revolution



CAUTION

Not pre-winding the winch belt may result in injury at high belt or drum loads.

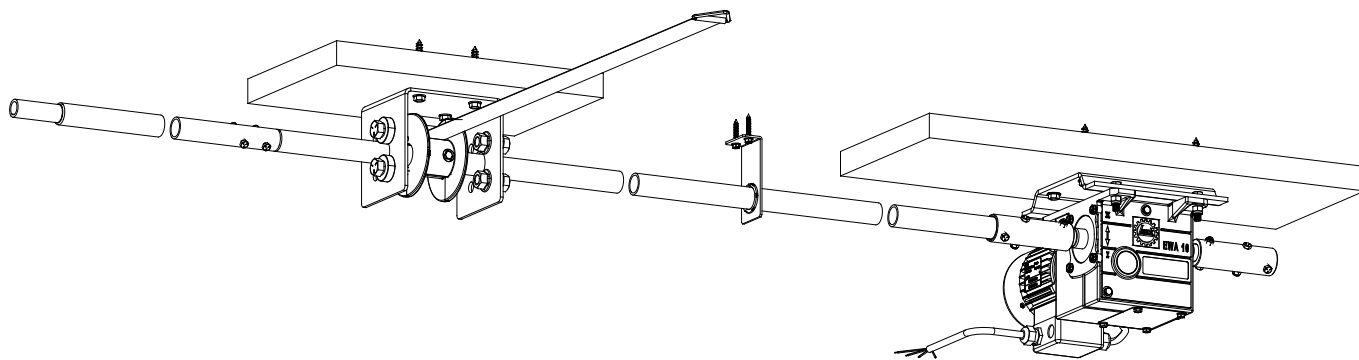
Figure 10

Step 11

Repeat Steps 4 through 10 for the other side of the Actuator and then repeat Steps 6 through 10 for any other pull points.

Installation is now complete and should resemble [Figure 11](#).

Connection from Baffle to Belts can now be made.



[Figure 11](#)

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Pipe Drive System is developed and produced by Munters Corporation, Lansing, Michigan U.S.A. 1-800-227-2376



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