

# MECHANICAL DEFEATER INSTALLATION

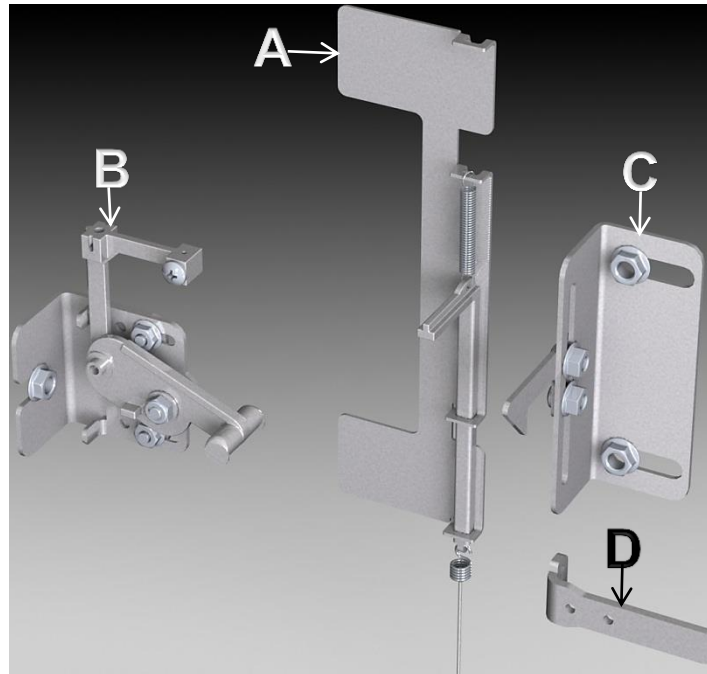
## MECHANICAL DEFEATER (MDV)

- MECHANICAL DEFEATER FOR VARIABLE DEPTH AND CABLE OPERATED FLANGE MOUNT DISCONNECTS.

-THE INTENT AND PURPOSE OF THIS DEVICE IS TO ADD AN ADDITIONAL LEVEL OF SAFETY. REQUIRING THE PRIMARY DOOR LATCH OR HANDLE TO CLOSE AND ENGAGE BEFORE THE DISCONNECT IS TURNED ON.

-THIS IS ACHIEVED BY A MECHANICAL DEVICE CALLED AN “MDV” THAT IS INSTALLED ON THE INSIDE OF THE ENCLOSURE FLANGE.

-ALL OF THE PARTS NECESSARY FOR THE INSTALLATION ARE INCLUDED IN THE “MDV” KIT PROVIDED WITH YOUR DISCONNECT ENCLOSURE, AND PARTS INCLUDED WITH YOUR DISCONNECT OPERATOR HANDLE.



(A)- ASSEMBLY-1

(B)- ASSEMBLY-3

(C)- ASSEMBLY-4

(D)- ITEM-2



-THE TOOLS REQUIRED FOR INSTALLATION ARE:

**PHILLIPS SCREW DRIVER**



**7/16" AND 11/32" WRENCH**



**WIRE CUTTERS**



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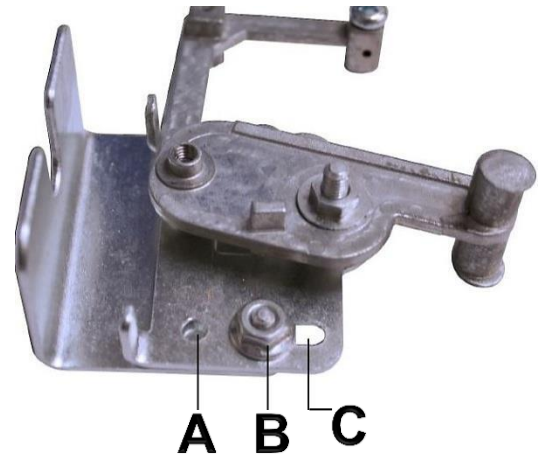
**NOTE:** IN ORDER TO INSTALL THE "MDV" YOU WILL NEED TO INSTALL THE DISCONNECT HANDLE AND MOUNTING PLATE LEAVING THE TWO FASTENERS LOOSE.

1. -FIRST ADJUST THE "MDV" TO YOUR FLANGE SIZE.

**A-** 3.50 INCH FLANGE IS FOUND ON FREESTANDING ENCLOSURES THAT ARE THREE DOORS AND LARGER. REMOVE THE 8-32 NUTS, POSITION AT THE OUTER HOLES.

**B-** 3.00 INCH FLANGE IS FOUND ON MOST FREESTANDING ENCLOSURES, AND IS THE PRE-SET LOCATION.

**C-** 2.75 INCH FLANGE IS FOUND ON MOST WALL MOUNT ENCLOSURES. SIMPLY LOOSEN THE TWO 8-32 NUTS, SLIDE OUT, AND RE-TIGHTEN THE NUTS.



2. -INSERT (ASSEMBLY 1) OF THE "MDV" KIT BETWEEN THE ENCLOSURE FLANGE AND DISCONNECT MOUNTING PLATE AND TIGHTEN THE FASTENERS, MAKING SURE THAT THE MDV LEVER MOVES FREELY UP AND DOWN.



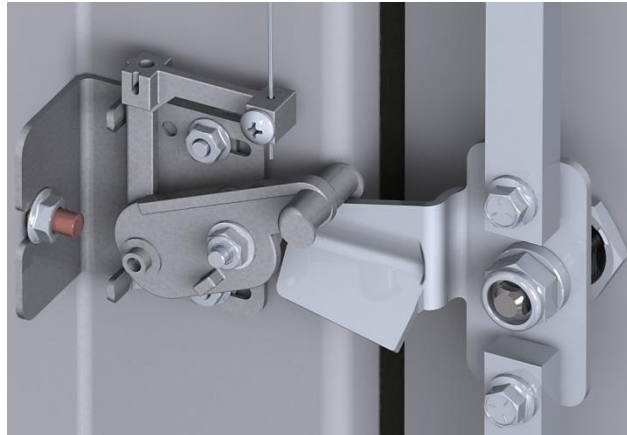
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**3. -INSTALL THE DEFEATER (ITEM 2) TO THE DISCONNECT HANDLE.**

THIS IS A DEFEATER PROVIDED BY EVERY DISCONNECT MANUFACTURER WITH THE DISCONNECT OPERATING HANDLE. A UNIVERSAL VERSION IS PROVIDED WITH OUR KIT THAT ACCOMODATES MANY OF THE DISCONNECT OPERATING HANDLES AVAILABLE, BUT IT WILL BE UP TO YOU TO CHOOSE THE ONE THAT WORKS BEST FOR YOUR APPLICATION.



**4. -INSERT (ASSEMBLY 3) WITH 1/4-20 NUT ON THE STUD ADJACENT TO THE DOOR HANDLE, SLIDE IT ALL THE WAY TO THE FLANGE AND TIGHTEN.**

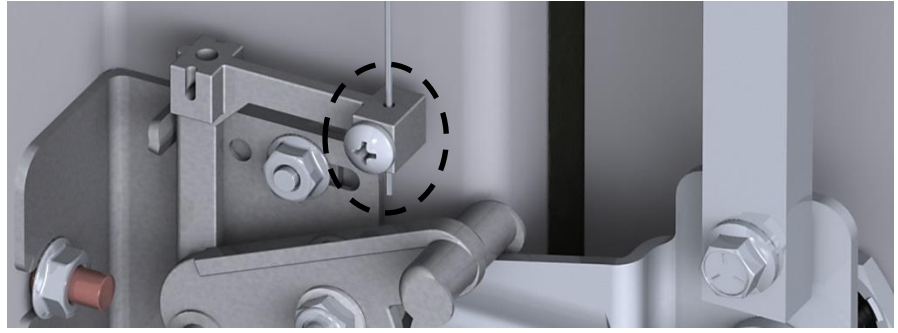


**5. -INSTALL THE DEFEATER HOOK (ASSEMBLY 4) TO THE DOOR, AND ADJUST THE HEIGHT OF THE HOOK SO THAT IT WILL CLOSE OVER THE DEFEATER WITH THE DISCONNECT HANDLE IN THE OFF POSITION, ABOUT 1/8 INCH CLEARANCE.**



# MECHANICAL DEFEATER INSTALLATION

**6.** -NOW YOU CAN ADJUST THE MDV. WITH THE DISCONNECT OPERATING HANDLE STILL IN THE "OFF" POSITION SIMPLY PULL THE CABLE DRAWING DEFEATER STRIKE DOWN SO THAT THERE IS ABOUT A 3/8 INCH BETWEEN THE DEFEATER AND THE DEFEATER STRIKE AND TIGHTEN THE SCREW TO LOCK IN POSITION.



**7.** -CLOSE THE DOOR AND DOOR HANDLE FULLY AND THE OPERATING HANDLE SHOULD BE DEFEATED TO TURN THE DISCONNECT TO THE "ON" POSITION. VERIFY THEN THAT DOOR ENGAGES THE HOOK WHEN YOU TRY TO OPEN THE DOOR.



**NOTE:** IF THE DISTANCE BETWEEN THE BOTTOM HOLE OF THE DISCONNECT AND THE MOUNTING STUD FOR THE MDV ARE LESS THAN 5-1/2 INCHS THE SELF-TRIPPING HOOK PROVIDED WITH THE DISCONNECT OPERATING HANDLE MUST BE USED.