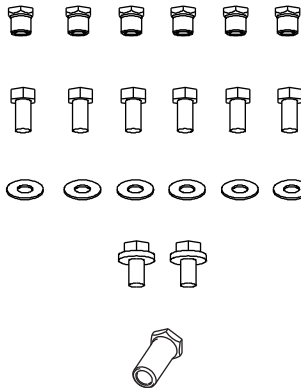
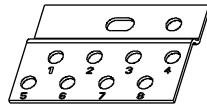


# Magnum cassette standard/double frame rejection bracket replacement kit



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**⚠ WARNING**

- (1) ONLY QUALIFIED ELECTRICAL PERSONNEL SHOULD BE PERMITTED TO WORK ON THE EQUIPMENT
- (2) ALWAYS DE-ENERGIZE PRIMARY AND SECONDARY CIRCUITS IF A CIRCUIT BREAKER CANNOT BE REMOVED TO A SAFE WORK LOCATION
- (3) DRAWOUT CIRCUIT BREAKERS SHOULD BE LEVERED (RACKED) OUT TO THE DISCONNECT POSITION.
- (4) ALL CIRCUIT BREAKERS SHOULD BE SWITCHED TO THE OFF POSITION AND MECHANISM SPRINGS DISCHARGED.

FAILURE TO FOLLOW THESE STEPS FOR ALL PROCEDURES DESCRIBED IN THIS INSTRUCTION LEAFLET COULD RESULT IN DEATH, BODILY INJURY, OR PROPERTY DAMAGE.

**⚠ WARNING**

THE INSTRUCTIONS CONTAINED IN THIS IL AND ON PRODUCT LABELS MUST BE FOLLOWED. OBSERVE THE FIVE SAFETY RULES.

- DISCONNECTING;
- ENSURE THAT DEVICES CANNOT BE ACCIDENTALLY RESTARTED;
- VERIFY ISOLATION FROM THE SUPPLY;
- EARTHING AND SHORT-CIRCUITING; AND;
- COVERING OR PROVIDING BARRIERS TO ADJACENT LIVE PARTS.

DISCONNECT THE EQUIPMENT FROM THE SUPPLY. USE ONLY AUTHORIZED SPARE PARTS IN THE REPAIR OF THE EQUIPMENT. THE SPECIFIED MAINTENANCE INTERVALS AS WELL AS THE INSTRUCTIONS FOR REPAIR AND EXCHANGE MUST BE STRICTLY ADHERED TO PREVENT INJURY TO PERSONNEL AND DAMAGE TO THE SWITCHBOARD.

**General information**

Magnum® drawout circuit breakers come in a variety of continuous current and interrupting ratings. To prevent the insertion of a drawout circuit breaker into a cassette with which it is incompatible, rejection interlock key plates are provided for both the circuit breaker and the cassette. As the breaker is pushed into the cassette, the interlock pins on the breaker move past the pins in the cassette if they are compatible.

**Required tools**

- 10 mm socket and drive
- 10 mm wrench

**Kit parts identification**

Refer to **Figure 1** kit parts listed below:

- (A) Rejection bracket (one)
- (B) M6 stop nut (six)
- (C) M6 x 12 mm hex bolt (six)
- (D) M6 serrated lock washer (six)
- (E) M6 x 10 mm CrimpTite® screw (two)
- (F) M6 long stop nut

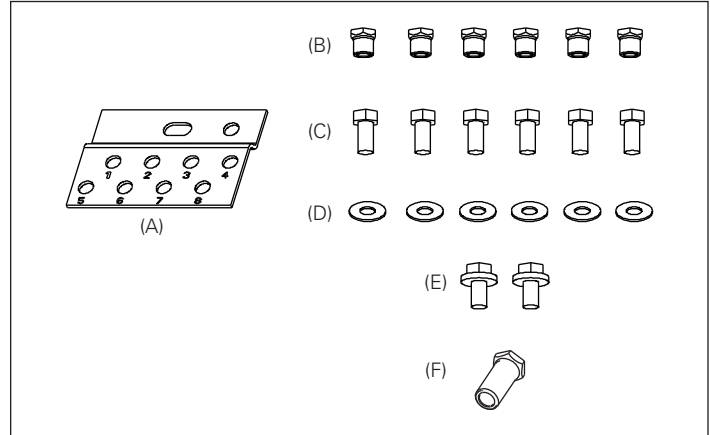


Figure 1. Contents of kit

**Installation of rejection bracket kit**

Proceed with the following steps:

**Step 1:** From **Table 1** and **Table 2** on **page 3**, determine the number and location of stop nuts **(B)** or **(F)**, washers **(D)**, and hex bolts **(C)** to be used. All parts are not required for all assemblies. Insert bolts and lock washers into the appropriate holes in the rejection bracket **(A)**, and assemble stop nuts from the other side. Torque to 8–10 ft-lbs (10.5–13 Nm).

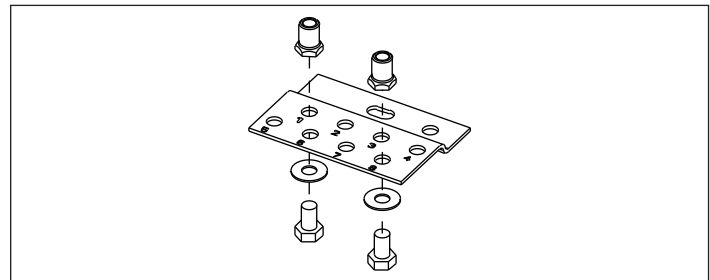


Figure 2. Step 1

**Note:** The stop nut arrangement shown here is for reference purposes only, and is not a valid configuration. Refer to **Table 1** for MPS, SPS, MDS, MDE, and SBS configurations or **Table 2** for MDSX, MDDX, MDSH, and SBSE configurations.

**Step 2:** Assemble the bracket assembly to the floor of the cassette as shown using two M6 x 10 mm thread-forming CrimpTite screws **(E)**. Torque to 8–10 ft-lbs (10.5–13 Nm).

If the cassette is for use with a standard breaker frame of 3200 A or below, the installation is complete. If the cassette is for use with a large breaker frame over 3200 A, proceed to **Step 3**.

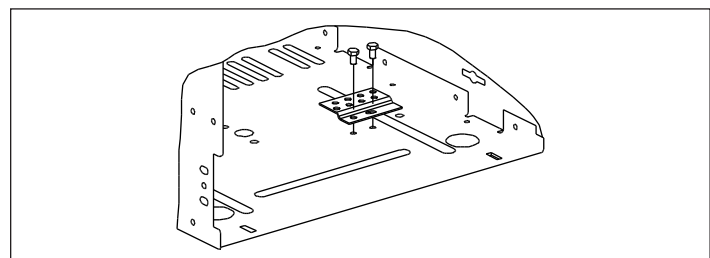


Figure 3. Step 2

**Step 3:** On cassettes for breaker frames over 3200 A, install two identical rejection bracket assemblies as shown.

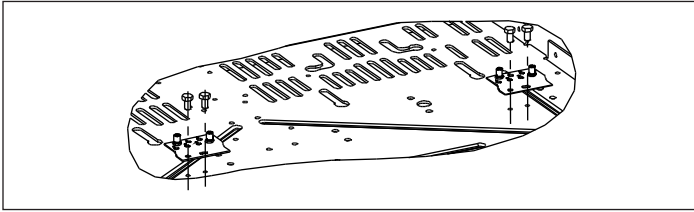


Figure 4. Step 3

**Table 1. Cassette rejection interlock pin locations for breakers MPS, SPS, MDS, MDE, and SBS**

Breaker frame rating	Pin locations							
	1	2	3	4	5	6	7	8
408/84N			■	■	■	■	■	
508/64N	■			■	■	■	■	
608/840	■	■		■	■	■		
808/640	■	■	■		■	■		
C08/C4N	■	■	■	■		■		
512/C40			■	■	■	■		■
612/85N		■		■	■	■		■
812/86N		■	■		■	■		■
C12/850		■	■	■		■		■
516/860	■		■	■	■			■
616/C5N	■	■		■	■			■
816/C6N	■	■	■		■		■	
C16/C50		■	■	■			■	■
620/C60				■	■	■	■	■
820/E4N		■	■		■		■	■
C20/E40			■	■		■	■	■
625/E5N		■		■	■	■	■	
825/E6N		■	■		■	■	■	
C25/E50		■	■	■		■	■	
630/E60	■			■	■	■		■
830/84A	■		■		■	■		■
C30/85A	■		■	■		■		■
632/C4A	■			■	■		■	■
832/C5A	■		■		■		■	■
C32/C6A	■		■	■			■	■
L08/L12/L16 ①	■	■		■	■	■	■	
L20 ①	■		■	■	■	■	■	

① Not available for MPS and SPS.

**Table 2. Cassette rejection interlock pin locations for breakers MDSX, MDDX, MDSH, and SBSE**

Breaker frame rating	Pin locations					
	1	2	3	4	5	6
X08/X40/X4A		■	LG		■	■
X12/X4N		■	LG	■		■
X16/X50/X60/X5A/X6A		■	LG	■	■	
X20/X5N/X6N	■		LG		■	■
X3N/H20	■		LG	■		■
X3P/H16	■		LG	■	■	
E40/E08	■	■	LG			■
E4N/E12	■	■	LG	■		
E50/E16	■	■	LG		■	
E5N/E20			LG		■	■
E60/E25			LG	■		■
E6N/E30			LG	■	■	
H4A/H32	■	■	LG			
H40/H08	■		LG		■	
H4N/H12		■	LG		■	
H5N/H6N/H25		■	LG	■		
H5A/H50/H6A/H60/H30			LG		■	■

**Table 3. Cassette rejection interlock pin locations for breakers DAS and DBS**

Breaker frame rating	Pin locations							
	1	2	3	4	5	6	7	8
DAS516	■	■		■	■			■
DAS532/520	■		■		■		■	■
DBS532	■		■	■			■	■

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