Instructions for installation of:

4 Pole ANSI Cassette Shutters
Field Option Kit

2C12998

Tools Required:
• 10mm Socket and drive

WARNING

Do NOT attempt to install or perform maintenance on equipment while energized. Breaker must remain in the “OPEN” & “DISCHARGED” condition during the installation of this accessory kit. Death or severe personal injury can result from contact with energized equipment. Always verify that no voltage is present before proceeding.

Manufacturer/Supplier assumes no responsibility for damage done to circuit breakers or other equipment during field installation of any accessory.

Contents of Kit #2C12998G02 & #2C12998G06

- Brackets (1 ea.)
- Leaf Spring
- Snap Rivet (2)
- Return Spring (2)
- M6x 10mm Self-thd screws (6)
- Shutter Assembly

Contents of Kit #2C12998G08 & #2C12998G10

- Leaf Springs (2)
- Stop Barrier Bracket
- M6x 10mm Self-thd screws (13)
- Shutter Assembly (2)
- Snap Rivet (2)
- Brackets (1 ea.)
- Return Spring (4)
STEP 1: INSTALLING LEAF SPRING  Install Leaf Spring to rear of Cassette with 2 M6 x 10 Self-threading screws and torque to 80-90 In-lbs. (9-10 Nm).

STEP 2: INSTALLING SHUTTER ASSEMBLY  Pull Cassette rails half-way out. Shutters must be in closed position. Locate Pins A & B into front slots first. Locate left side pin D into left rear slot. Locate right side Pin C in right rear slot.

STEP 3: INSTALLING BRACKETS  Install Brackets to sides of Cassette with M6 x 10 self-threading screws and torque to 80-90 In-lbs. (9-10 Nm) Also install snap rivets as shown. Brackets installed in front of leaf spring & shutter panel (not shown – see page 4.

STEP 4: INSTALLING LOCK SCREWS AND RETURN SPRINGS  Install 2 M6 x 10mm self-threading screws into hole locations shown and torque to 80-90 In-lbs. (9-10 Nm). Then connect return springs between springs shutter levers and floor of Cassette as shown. These 4 bolts must NOT grip shutter panel tightly – if tight, loosen screws ½ turn.

M6 Screws

Snap Rivets

Return Spring

Spring Attachment Locations

Install Spring's short hook end up thru hole

M6 Screws
Double Frame Cassettes require 2 sets of shutters as provided in 2C12998G08 or 2C12998G10. These are installed as shown in steps 1 through 4 as shown on page 2. The 5000 Amp 3 Pole assembly is illustrated below showing the installation of center stop barrier.

**TEST SEQUENCE FOR ANSI SHUTTERS**

1. After installing the shutter kit, install the drawout breaker into the cassette.
2. Rack the breaker to the connected position and visually check for clearances between moving parts.
3. With the breaker in the connected position, the shutters must be completely open.
4. Rack the breaker to the disconnected position and visually check for clearances between moving parts.
5. With the breaker in the disconnected position, the shutters must be completely closed.
TEST SEQUENCE FOR ANSI SHUTTERS

1. After installing the shutter kit, install the drawout breaker into the cassette.
2. Rack the breaker to the connected position and visually check for clearances between moving parts.
3. With the breaker in the connected position, the shutters must be completely open.
4. Rack the breaker to the disconnected position and visually check for clearances between moving parts.
5. With the breaker in the disconnected position, the shutters must be completely closed.