Magnum cassette key interlock provision field option kit

⚠️ 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.

Section 1: General information
The cassette key interlock is a safety device that is used to prevent the breaker contacts from closing when the breaker is in the CONNECTED position.

To operate the interlock, the slider bracket is pulled forward and held while the key(s) is(are) rotated to engage the interlock bolt. When the key(s) is(are) removed, the breaker contacts are prevented from closing either electrically or manually while the breaker is in the CONNECTED position.

To disable the interlock, install the key(s) and rotate to disengage the interlock bolt. The spring-loaded slider bracket will return to the functional position, and the breaker will operate normally.

Required tools
- 1/4-inch drive socket
- 10 mm socket
- 17 mm socket
- Crimping pliers
- Phillips head screwdriver (#2 recommended)

Kit parts identification
Refer to Figure 1 for visual identification of the parts listed below:
(A) Slider bracket (one) (right-side sheet bracket shown)
(B) Mounting bracket (one)
(C) Slider retainer (two)
(D) Return spring (one)
(E) Lead seal (one)
(F) M10 cross-drilled bolts (two)
(G) M6 lock washer (two)
(H) M6 x 16 hex cap screw (two)
(I) M6 x 12 thread-forming screws (three)

Note: The keyed bolt interlock is not supplied with this kit. Refer to Figure 2 for applicable bolt interlock information.

Figure 1. Contents of Kit

Figure 2. Bolt Interlocks (Not Supplied)
Section 2: Installation of cassette key interlock provision

Proceed with the following three steps:

**Step 1:** Remove two M6 thread-forming screws and two serrated washers from the side sheet. Discard the washers and screws. Mount the mounting bracket (B) to the outside of the cassette side sheet using the two M6 x 16 hex-cap screws (H) and two helical lock washers (G) provided. Torque to 40–50 in-lbs (4.5–5.6 Nm). Note the orientation of the bracket and the two bracket holes used.

**Step 2:** Assemble the slider bracket (A) to the side sheet using two slider retainers (C), two washers, and two M6 x 12 thread-forming screws (I). Hook the free end of the return spring (D) onto the tab marked “A” in the slider bracket, and attach the other end of the spring with one M6 washer (G) and one M6 x 12 thread-forming screw into the hole marked “B” in the side sheet of the cassette.

Figure 3. Step 1

Figure 4. Step 2—Right Side Installation Shown
**Step 3:** Assemble the lock (not included) using two cross-drilled M10 bolts (F). Insert the lock wire of the lead seal through the holes in the bolt heads. Then loop the wire through the wire seal (E). Tighten and crimp the seal.

Figure 5. Step 3
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