**MS1861 SERIES DEADLOCK INSTALLATION INSTRUCTIONS**

**80-0180-7**

Rev. B  
ECN: 11017  
Date: 02/14/07  
Page 1 of 1  
Appvd:  
Date:

---

**1. MS1861-02 LOCK & CYLINDER INSTALLATION**

- TUBE SPACERS MAY BE REQUIRED TO POSITION LOCK MECHANISM.
- CYLINDER

**2. TRIM RING THICKNESS (TR) WILL VARY WITH SPECIFIC CYLINDER MAKE, NUMBER, OF PINS, & BOTTOM RAIL THICKNESS. TO DETERMINE TRIM RING THICKNESS, USE THE FOLLOWING FORMULA.**

\[ TR = A + 0.125 - B \]

**3. BOTTOM RAIL PREPARATION**

- BACKSET [146.1] [101.6]
- DRILL & TAP #8-32 TYP. (M4.16)
- DRILL & TAP #10-32 TYP. (M4.82)
- TUBE SPACERS

**4. BOTTOM RAIL MTG. WEB**

- BOTTOM OF DOOR
- THROW

**5. 4014 CONVERSION KIT CONSISTS OF:**

1) ARM & BOLT ASSY.
2) ASSEMBLY PIN
3) BOLT GUIDE BRACKET
4) MOUNTING SCREWS

**6. MS1861 SERIES LOCKS ARE OPERABLE BY ANY STANDARD 1 5/32" (29.3) DIAMETER MORTISE CYLINDER WITH SPECIAL MS CAM DIMENSIONED AS ABOVE. CYLINDERS WITH MS CAMS CAN BE READILY OBTAINED FROM MOST CYLINDER MANUFACTURERS.