



ITEM No.	DESCRIPTION	QUANTITY
1	SOCKET HEAD CAPSCREW (1/4-28 UNF X 3-1/2 LG. SST)	2
2	INDICATOR COVER	1
3	CLEAR GUARD	1
4	UNLOADER SHAFT (SHOWN WITH VISUAL INDICATOR CAP)	1
5	ACTUATOR CYLINDER COVER	1
6	PROXIMITY SENSOR ASSEMBLY	1
7	VISUAL INDICATOR CAP	1

1. DISABLE CONTROL MEDIUM (AIR OR GAS) SUPPLY. DISCONNECT SUPPLY TUBING AT THE ACTUATOR, IF POSSIBLE.
2. IF THE ACTUATOR ALREADY HAS A SENSOR-READY COVER ASSEMBLY (FIG. 2), SKIP TO STEP 3. OTHERWISE, REMOVE OLD COVER ASSEMBLY AND TEMPORARILY INSTALL NEW COVER ASSEMBLY.
3. REMOVE THE VISUAL INDICATOR CAP (ITEM 7) AND ENSURE THE ACTUATOR IS FULLY OPEN WITH THE SHAFT (ITEM 4) AT THE OUTERMOST END OF ITS STROKE. SPRING-LOADED ACTUATOR ASSEMBLIES OPEN AUTOMATICALLY. ASSEMBLIES NOT SPRING-LOADED MAY REQUIRE BRIEF AIR PRESSURE AT CONNECTION AV1 TO PUSH THE ACTUATOR OPEN.
4. USE A CENTER PUNCH OR MARKER TO PLACE A MARK ALONG THE CENTERLINE OF THE RAISED FLAT OF THE CLEAR GUARD (FIG. 2, ITEM 3). IMPORTANT: FOLLOW PROXIMITY SENSOR OEM MOUNTING RECOMMENDATIONS FOR SENSOR LOCATION IN RELATION TO THE OBJECT IT SENSES (ITEM 4).
5. REMOVE COVER ASSEMBLY (FIG. 1, ITEMS 1, 2, AND 3).
6. DRILL A SENSOR CLEARANCE HOLE THROUGH THE RAISED FLAT OF THE CLEAR GUARD (ITEM 3) AT THE LOCATION MARKED IN STEP 4. IMPORTANT: THE CLEAR GUARD ACCEPTS A MAXIMUM SENSOR BARREL SIZE OF 0.71 IN. (18 MM). FOLLOW PROXIMITY SENSOR OEM RECOMMENDATIONS FOR CLEARANCE HOLE SIZE.
WARNING: DO NOT LEAVE OPEN HOLES IN THE CLEAR GUARD; IT MAY CREATE A PINCH POINT THAT COULD CAUSE SEVERE INJURY.
7. REINSTALL VISUAL INDICATOR CAP ONTO THE END OF THE SHAFT. THEN SECURE PROXIMITY SENSOR ASSEMBLY (ITEM 6) ONTO THE CLEAR GUARD (ITEM 3). FOLLOW PROXIMITY SENSOR OEM RECOMMENDED INSTALLATION PROCEDURES. IMPORTANT: ADJUST SENSOR POSITION BEFORE CONTINUING TO STEP 8. THE SHAFT (ITEM 4) MAY DAMAGE A SENSOR THAT PROTRUDES INTO ITS PATH.
8. REATTACH COVER ASSEMBLY SECURELY TO THE ACTUATOR COVER (ITEM 5).
9. RECONNECT SUPPLY TUBING (IF DISCONNECTED IN STEP 1) AND ENABLE CONTROL MEDIUM SUPPLY.
10. TO TEST SENSOR OPERATION, ACTIVATE THE SYSTEM AND CYCLE THE UNLOADER. IT MAY REQUIRE AIR TO OPEN THE ACTUATOR (AS IN STEP 3) IF THE COMPRESSOR IS NOT RUNNING. IF THE SENSOR NEEDS ADJUSTMENT, DISABLE THE CONTROL MEDIUM, REMOVE THE SUPPLY TUBING, REMOVE THE COVER ASSEMBLY, AND ADJUST THE SENSOR. AFTER ADJUSTMENT, REINSTALL COVER ASSEMBLY.
WARNING: DO NOT REMOVE COVER ASSEMBLY AFTER COMPLETING ADJUSTMENT.

AUTOCAD DRAWING - ABORD-V

TITLE PROXIMITY SENSOR MOUNTING ONTO ACI SUPPLIED CLEAR GUARD	
1 10912 ADD ITEM 7. REVISE NOTE 3 & 7. MWM 04-11-11	DRAWN BY MWM DRAWING NUMBER
0 10812 RELEASE 02-01-11	APPROVED BY CRW
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