



## INSTALLATION INSTRUCTION

### S&K-SERIES TWS SENSOR COVER KIT #39979

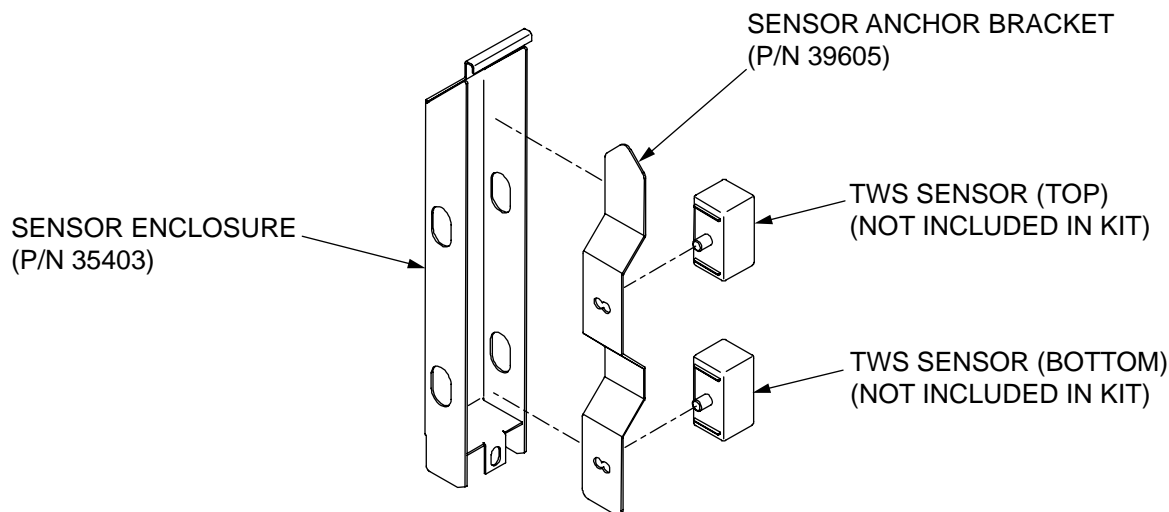
- Read and understand supplemental instructions completely before any work is attempted. Refer to the Service/Owner Manual for additional safety precautions.

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- Under no circumstances is maintenance, repair, or adjustment of the lift to be performed without the presence of an individual capable of giving aid.
- Give immediate attention to all injuries, and administer first-aid, or seek medical attention as necessary.
- Protective eye shields and clothing should be worn during maintenance, repair, and adjustment of the lift.
- Work in a properly ventilated area.
- Read and understand all instructions before attempting to operate the lift.
- Read and understand all instructions before attempting to perform maintenance, repairs, or adjustments to the lift.
- Read and comply with warning labels attached to lift.

#### I. PARTS REQUIRED

Wrench  
 Marker, tape or paint  
 Sensor Enclosure (P/N 35403)  
 Sensor Anchor Bracket (P/N 39605)



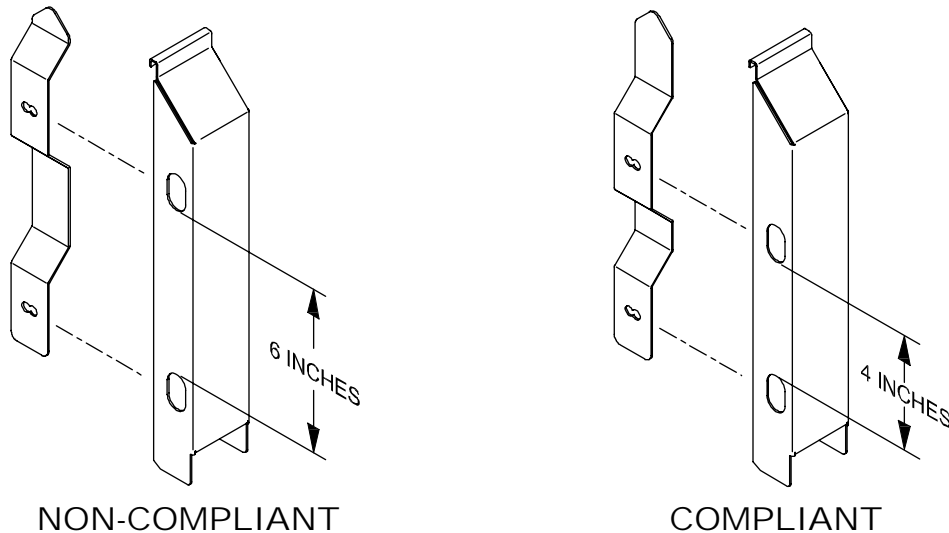
**FIGURE 1: TWS SENSOR KIT #39979**

## II. REMOVAL AND INSTALLATION INSTRUCTIONS

### A. SENSOR ENCLOSURE AND SENSOR ANCHOR BRACKET REMOVAL

**Note:** Before proceeding with removal and installation procedures, verify that the TWS Sensor Enclosures installed on the lift are FMVSS compliant or if the parts will require replacement according to the procedures identified in this recall.

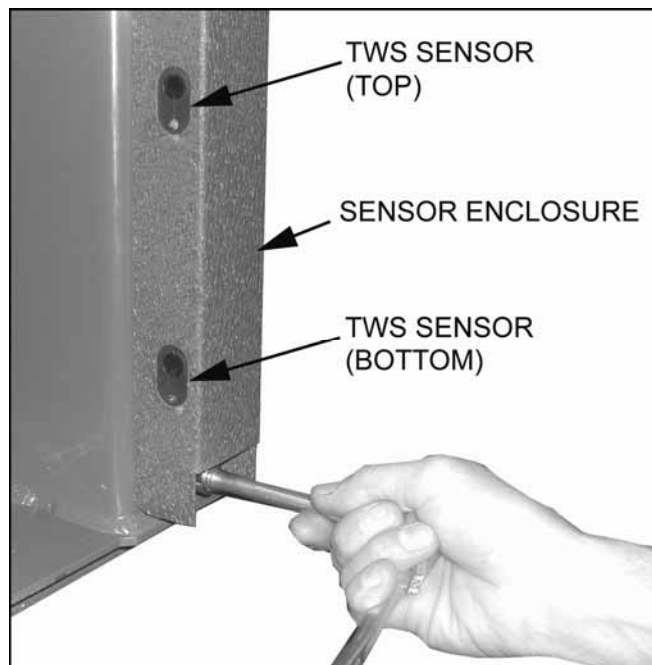
1. Deploy lift then remove power.
2. Locate sensor enclosure at the rear of the lift.
3. Refer to **FIGURE 2**. Measure the distance between each sensor slot to determine if the sensor enclosure is compliant or will need replacement.



**FIGURE 2: SENSOR SLOT MEASUREMENT**

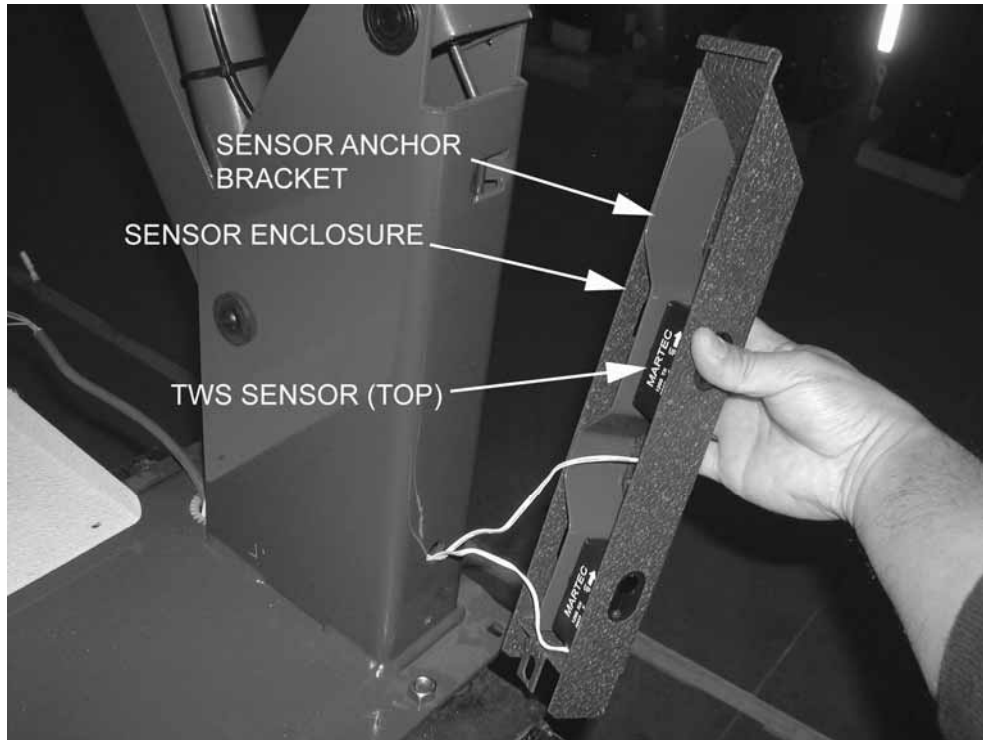
**Note:** It is recommended that each sensor enclosure and bracket are removed one side at a time.

4. Refer to **FIGURE 4**. Loosen and remove bolt that attaches Sensor Enclosure to baseplate tower. Retain bolt for installation.



**FIGURE 3: SENSOR ENCLOSURE REMOVAL**

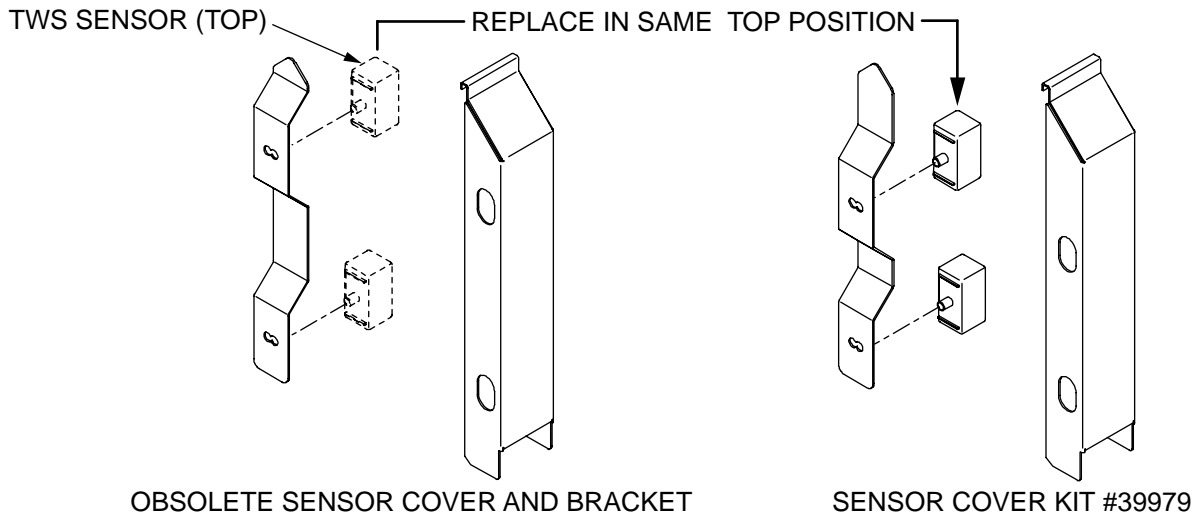
5. Refer to **FIGURE 5**. Locate Sensor Anchor Bracket and two TWS Sensors within Sensor Enclosure.



**FIGURE 4: SENSOR ANCHOR BRACKET AND TWS SENSORS**

6. Identify/mark top sensor with tape, marker or paint before detaching from sensor anchor bracket and before removing from sensor enclosure.

**Note:** If tape, marker or paint is not available to mark the top sensor, then take note of RX or TX identification on sensor. Sensors are identified with a TX for Transmitter or RX for Receiver. It is important that the top sensor is placed in the same top position in the new sensor anchor bracket and sensor enclosure as shown in **Figure 5**.



**FIGURE 5: TOP SENSOR PLACEMENT**

7. Repeat steps 4-6 for opposite sensor enclosure and sensor anchor bracket replacement.

## B. TWS SENSOR COVER KIT INSTALLATION

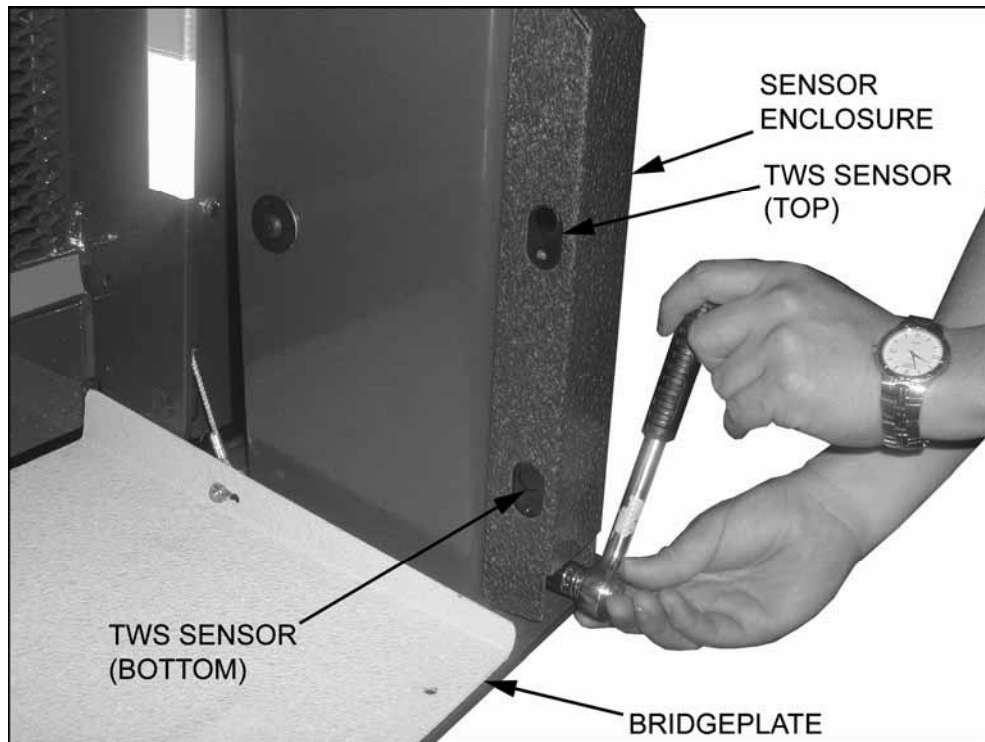
1. Ensure the top sensor is installed in top position as shown in **Figure 5**.

**Note:** Perform each installation separately to ensure TWS sensors are in original factory position.

<p style="text-align: center;"><b>! WARNING!</b></p> <p>TWS SENSORS MUST BE ASSEMBLED IN ORIGINAL FACTORY POSITION TO ENSURE THAT THRESHOLD WARNING SYSTEM IS FUNCTIONAL AND WORKING PROPERLY AFTER REPLACEMENT OF SENSOR ENCLOSURE AND SENSOR ANCHOR BRACKET. THE THRESHOLD WARNING SYSTEM MUST BE TESTED AND ALL MALFUNCTIONS CORRECTED PRIOR TO RETURNING LIFT TO USE.</p>
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2. Attach TWS Sensors to Sensor Anchor Bracket (P/N 39605) and Sensor Enclosure (P/N 35403) from KIT #39979.

**Note:** Sensor Anchor Bracket (P/N 39605) is press fitted and requires no adhesive or attaching parts.



**FIGURE 6: INSTALL SENSOR ENCLOSURE**

3. Attach Sensor Enclosure to baseplate tower then reinstall bolt to fasten Sensor Enclosure.

**Note:** Ensure that TWS sensor wiring is not pinched and is secure within sensor enclosure.

4. Repeat installation procedure for opposite sensor enclosure and bracket replacement.
5. Reconnect power to lift.
6. Perform Test Verification to complete installation.

### C. TEST VERIFICATION



#### **WARNING!**

TWS SENSORS MUST BE ASSEMBLED IN ORIGINAL FACTORY POSITION TO ENSURE THAT THRESHOLD WARNING SYSTEM IS FUNCTIONAL AND WORKING PROPERLY AFTER REPLACEMENT OF SENSOR ENCLOSURE AND SENSOR ANCHOR BRACKET. THE THRESHOLD WARNING SYSTEM MUST BE TESTED AND ALL MALFUNCTIONS CORRECTED PRIOR TO RETURNING LIFT TO USE.

1. Deploy lift at least 1 inch below floor level to initiate TWS sensors.
2. Test each sensor beam individually to verify that each sensor is functional and working properly.
3. Block a sensor to verify that audible alarm (and flashing siren if equipped on lift) is activated.
4. Repeat step 3 for each sensor to ensure each one is working properly.
5. If audible alarm does not activate when sensor beam is blocked, ensure that sensors are not misaligned and verify that sensors are installed in original factory position.