

FULL DOWN SUSPENSION SENSOR INSTALLATION

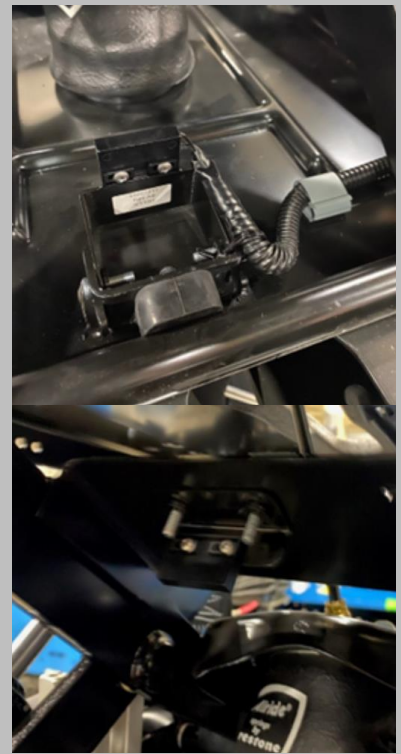
Assembly Instructions

PARTS LIST

**1x CONNECTOR - MQS HOUSING FOR
MALE TERMINALS - 3 POS**
**1x LOWER BRACKET - SUSPENSION
FULL DOWN**
**1x UPPER BRACKET - SUSPENSION
FULL DOWN SENSOR**
**1x POSITION SENSOR - SURFACE
MOUNT - PS1011 (NORMALLY OPEN)**
1x MAGNET - SURFACE MOUNT - PM101
4x SCREW M4X16 DIN 7085
**2x TERMINALS - MQS TAB MALE -
UNSEALED**
1x CLIP SELBSTKL.PANDUIT LC3-A-C8
**1.5 FTx SLIT CORRUGATED SLEEVING -
1/4" ID POLYETHYLENE**
**1x SCREW #4-40 X 3/8 - STAINLESS
STEEL - THREAD CUTTING**
1x ZIP TIE, SMALL
**0.1FTx TAPE - BLACK ELECTRICAL
K1553B60**

TOOLS NEEDED

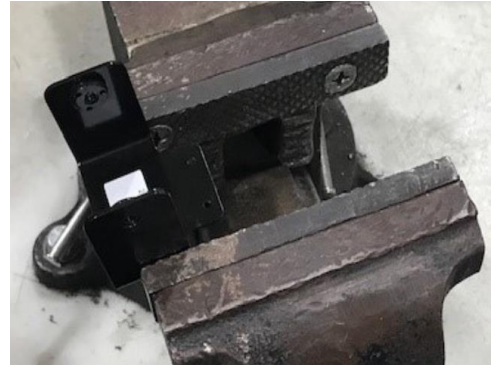
1x Clamp
1x Small Block
**1x Phillips #2
Screwdriver**



INSTRUCTIONS

STEP 1: Put the lower mounting into a clamp in order to have a secure mounting location to attach sensor to the mounting bracket. (figure 1).

FIGURE 1



STEP 2: Obtain #4-40 stainless steel screws and hand tighten the sensor to the bracket with a Phillips screwdriver. DO NOT OVER TIGHTEN. (figure 2).

FIGURE 2



STEP 3: Raise the suspension assembly & remove the X-mas trees securing the suspension boot on the front and sides to gain access to the front of the scissors.

STEP 4: To ensure the suspension will not drop while working, place a small block under the side of the scissors for safety. (figure 3).

FIGURE 3



STEP 5: Align the lower bracket and sensor assembly with the upstop bracket on the bottom plate of the suspension. Hand start the M4 screws into the weld nuts. To tighten, the screws have to be accessed from either side of the scissors. (figure 4).

FIGURE 4



STEP 6: Secure the wire harness to the front edge of the up-stop bracket with the small zip tie. (figure 5).

FIGURE 5



STEP 7: Clean the bottom plate of the suspension under the scissors with an alcohol wipe to ensure that there is no grease or dirt. Place the adhesive clip in this location and route the wire harness through it. (figure 6).

FIGURE 6



STEP 8: Route the harness through the hole in the bottom plate of the suspension. (figure 7).

FIGURE 7



STEP 9: Locate the terminals on the end of the harness inside the riser and assemble to the connector. The connector has 3 pin locations. The 2 pins are installed in the 1 and 3 cavities, leaving the middle cavity open. Close the side of the connector to full seat the terminals. (figure 8).

FIGURE 8



STEP 10: Put the upper mounting bracket into a clamp in order to have a secure mounting location to attach magnet to the mounting bracket. (same type of clamp as lower bracket) (figure 9).

FIGURE 9



STEP 11: Obtain #4-40 stainless steel screws and hand tighten the magnet to the bracket with a Phillipps screwdriver. DO NOT OVER TIGHTEN.

STEP 12: Align the magnet and bracket to the bottom of the compressor mounting bracket. Hand tighten the M4 screws.

STEP 13: Secure the bracket to the compressor mounting bracket. The screws must be accessed from the top of the suspension. (figure 10)

FIGURE 10





Part numbers: 20045985

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