



Item #4. I do not know why you did not receive the owner's manual information. The information below is the exact text of what is printed in the Owner's Manual for the machine in which the transmitter is installed. As one can see, there is no user interaction. The transmitter is installed and it operates. It is only being used as a safety device which should be used only on very rare occasions. The entire manual is not printed below. Since the actual manual (hundreds of pages) is for a very large and complex machine, only the pertinent section is excerpted for your needs.

OPTIONAL SPRAY ARM BREAK AWAY

The optional Spray Arm Break Away system allows the UltraSonic 2001-Overhead machine to shut down in the event that a customer drives their vehicle into the spray arm when it is in front of or behind the vehicle. To prevent damage if this occurs, a shear bolt in the spray arm mechanism breaks to prevent damage to the vehicle or the wash equipment. When this happens a tilt switch activates a small radio transmitter that is mounted on the spray arm. A radio receiver mounted in the machine gantry terminal box signals the machine controls causing the machine to immediately shut down and no longer operate. The machine is in a no-operation condition and can no longer arm for a wash. It remains in this state until it is reset. The machine's 2-digit display will show an 08 diagnostic code and a 4-digit diagnostic code 8608 will be recorded. The bay switch buzzer will sound for 5 seconds and the machine movement beeper alarm will sound continuously.

RETURNING THE MACHINE TO OPERATION

STEP 1: Inspect the spray arm for safe continued operation.

STEP 2: Remove the white screw caps from the heads of the four (4) screws that secure the white plastic cover to the horizontal spray arm. Remove the plastic cover and the mounting clamp with transmitter off of the spray arm by removing the four (4) screws. **Note:** The transmitter assembly will still be connected to the tilt switch and should be kept near enough to the spray arm to prevent interfering with this connection.

STEP 3: Remove and save the existing flat 3/8" (10 mm) washer and nut from the broken shear bolt. Install the new shear bolt into the spray arm where the broken bolt was removed.

CAUTION! USE ONLY THE SHEAR BOLT RECOMMENDED FOR THIS EQUIPMENT. USE OF ANOTHER BOLT WILL NOT ALLOW THE SPRAY ARM BREAK AWAY TO OPERATE PROPERLY AND MAY CAUSE DAMAGE TO THE MACHINE OR TO VEHICLES. WHEN ORDERING REPLACEMENT PARTS, CONTACT THE RYKO PARTS DEPARTMENT IF UNSURE OF THE PROPER PART TO ORDER.

Install the flat 3/8" (10 mm) stainless steel washer under the nut when replacing a broken shear bolt. Do not install the washer under the head of the shear bolt. Draw the two stainless steel blocks (where the bolt goes through) of the break-away assembly together by tightening the nut. After drawing the two halves together, loosen the nut until the washer under the nut can spin freely (approximately 1/4 turn).

STEP 4: Reassemble the white plastic cover and the mounting clamp with transmitter onto the horizontal spray arm using the four (4) screws previously removed. Reattach the four (4) screw caps previously removed. Refer to the Top Spray Arch Cover Installation drawing in the Installation Manual.



WARNING! NEVER RESET THE MACHINE TO ALLOW FURTHER OPERATION WITHOUT FIRST REPLACING THE SHEAR BOLT AND INSPECTING THE SPRAY ARM AND MACHINE FOR CONTINUED SAFE OPERATION. FAILING TO DO SO MAY RESULT IN DAMAGE TO THE MACHINE OR A VEHICLE. IF IN DOUBT, CONTACT RYKO CUSTOMER SERVICE FOR ASSISTANCE.

STEP 5: The machine will not operate again until it is reset via the Test Function FC "Arm Break Away Reset". Refer to the Test Function Information document included in the Owner's Manual to reset the machine movement beeper alarm and allow the machine to operate normally.

Spray Arm Break away Radio Transmitter information:

This equipment complies with part 15 of the FCC Rules. Any changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

FCC ID: QBGUS2001OHDTX

This device complies with Part 15 of the FSS Rules. Operation is subject to the following two conditions:
(1) this device may not cause harmful interference,
and (2) this device must accept any interference received, including interference that may cause undesired operation.

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