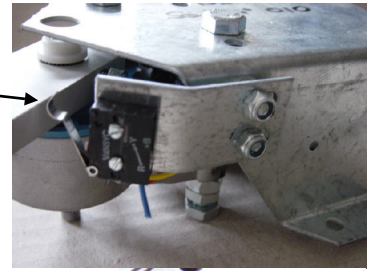




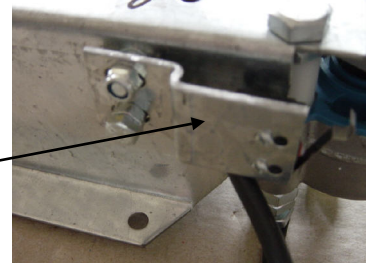
AVS STEP MOTOR INSTALLATION NOTES.

These notes are important please read before installing the new step motor or step motor assembly.

STOW SWITCH



DEPLOY SWITCH



DO NOT OPERATE BEFORE INSTALLING IN STEP.

The motor arm may damage the STOW microswitch.
The microswitches may need adjustment after the motor is installed. This can only be done after the motor unit is connected to the step tread - AVS

ENSURE POWER IS CUT AT STOWED & DEPLOY.

REMEMBER IT MAY NOT BE THE MICROSWITCHES THAT HAVE FAILED. CHECK RELAYS ETC AND ALSO CHECK STEP WHEN IGNITION ON/OFF AND STEP IN AND OUT.,

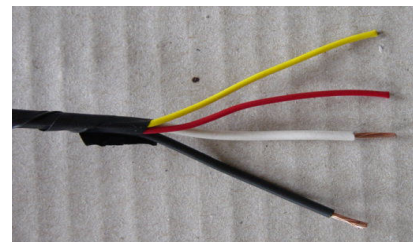
BB TYPE MOTORS - IMPORTANT. When the microswitch is connected to a relay you must ensure that the power to the motor is cut when the step is in the fully stowed position. If the motor power is not cut the motor will run continually and fail. Your warranty will be invalidated.

USE A VOLT METER ACROSS THE MOTOR WIRES TO TEST THIS. YOU MAY NEED TO PUSH A PROBE INTO THE WIRES. RE-INSULATE AFTERWARDS!!

BB - When one microswitch is fitted this may be used to cut the power via a relay or it may be used to supply a buzzer or warning light. Check that the microswitch is contacted correctly. The red and yellow wires are connected to the microswitch. The black (or blue) and white wires supply the motor. By reversing polarity the motor will power the step in and out.

BZ TYPE MOTORS - When a 5 pin plug is supplied the step will operate by plugging into the 5 pin plug on the body harness. IMPORTANT The microswitches (2) must be adjusted so that the correct contact is made on stow and deploy. Failure to do so may damage the switches and motor and your warranty will be invalidated.

The microswitches may need adjustment after the motor is installed. This can only be done after the motor unit is connected to the step tread - AVS



BB Type:
Yellow - Microswitch
Red - Microswitch common
White - Motor power
Black - Motor power (Blue on older models)



BZ Type: 5 pin plug from step motor



BL Type 4 pin plug from step motor

WATER PROOF CONNECTORS MUST BE USED

When a plug is provided please ensure good fit with body harness. BZ type plugs are IP67 waterproof.

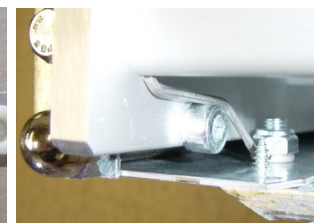
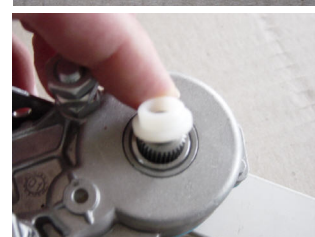
When a plug is not provided waterproof connectors must be fitted. DO NOT USE standard bullet type connectors and insulation tape since these corrode very quickly.

OTHER FITTINGS

The new step motor is provided with a new nylon bearing that mounts into the step case.

New anti-rattle springs are available that provide less resistance to the motor when deploying the step. These can be fitted in place of the existing ones. Ensure that they do not interfere with the step tread.

Water proof connectors
Nylon bearing (right)
Anti-rattle springs (Below)



Last Update	2/3/05
Revision	2