

Parts list

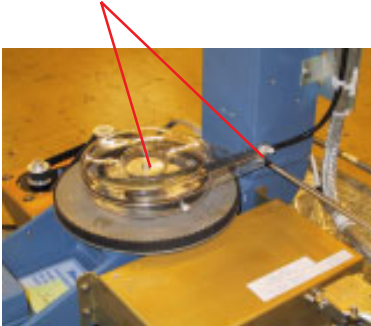
The Saturn Bm Rotary Joint Kit, part no. 101210, includes the following items:

101373	Rotary Joint Unit
QRPM911030-0550	Coaxial Cable, Rotary Joint
101263	Rotary Joint Ring Assembly: - Limit Switch Sub-Assembly - Home Switch Sub Assembly (ring) - Unlimited Azimuth Cable Assembly
101376	PCU PROM for Mk2 non-Wheelmark Antenna
101377	PCU PROM for Mk2 Wheelmark Antenna
101384	Saturn Bm Rotary Joint Mounting Instruction
102583	N Coax Plug type 11N-50-2-5, straight
102580	Mounting screw for Limit Switch Sub-Assembly (2)
102584	Mounting screw for Rotary Joint Unit (4)

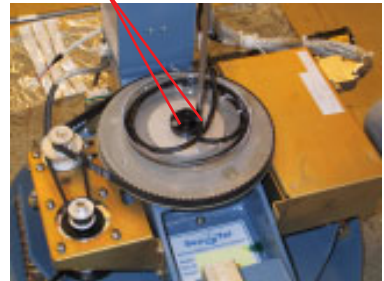
Preparation

Prior to installing the Rotary Joint, dismantle the existing coax cable retainer:

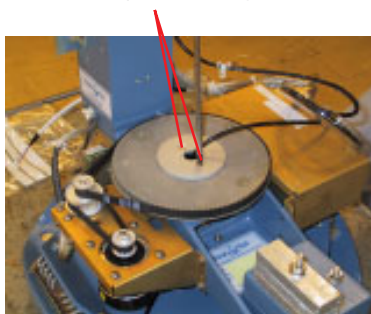
1 Remove the top cover from the cable retainer. (2 screws)



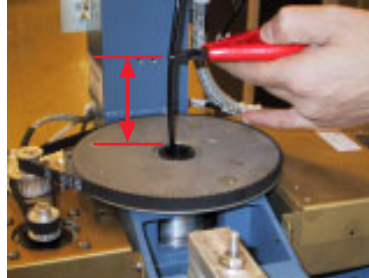
2 Remove the bottom of the cable retainer. (2 screws)



3 Remove the retainer bracket. (2 screws)



4 Tighten the coax cable and cut as indicated before making a coax connection.



5 Remove the plastic bushing.



6 Remove the nut attaching one of the end stop screws located at the Azimuth cogwheel.



7 Using a pair of pliers, twist the screw clockwise.



8 Using a saw, cut off the screw head accessible underneath the pedestal.

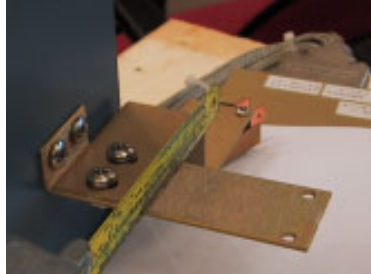


Mounting

1 Mount the end stop switch.



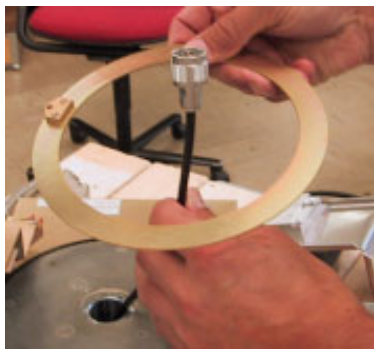
2 Cut the bracket (protect the pedestal with a paper for dust).



3 Connect the cable.
From left:
brown red blue



4 Place the cam washer on the cogwheel.



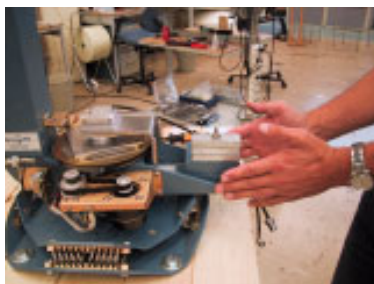
5 Connect the coax cable to the Rotary Joint.



6 Attach the Rotary Joint to the cogwheel, but do not tighten the screws.



7 Point the pedestal in the direction of the "Heading mark" (where the cable emerges from the pedestal).



8 Turn the cam washer until the microswitch lies on top of the cam.



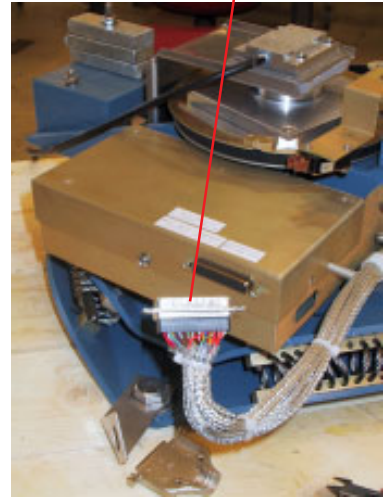
9 Adjust the switch pressure until a click sounds when the cam washer passes the switch.



10 Tighten the screws fastening the Rotary Joint. (4 screws)



11 Remove the multiconnector cover.

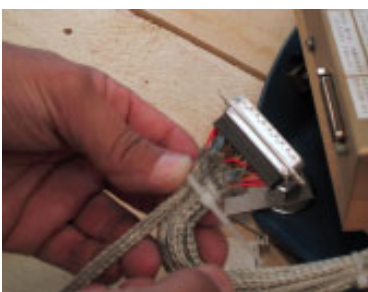


12 Enter the wires from the microswitch into the multiconnector housing:

(+5V) Red to pin 16
(Gnd) Brown to pin 37
(Az.B) Blue to pin 33



13 Secure with cable ties.....



14 Tighten the common cable tie.



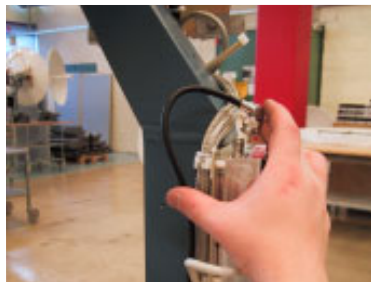
15 Mount the multiconnector cover.



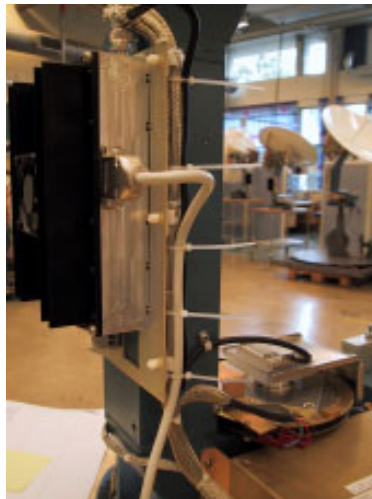
16 Tie the microswitch and the multiconnector cables together.



17 Connect the coax cable between the Rotary Joint and the Transceiver.



18 Secure with cable ties.



19 Secure the coax cable with clamp.

