

Proximity Switch Test and Adjustment

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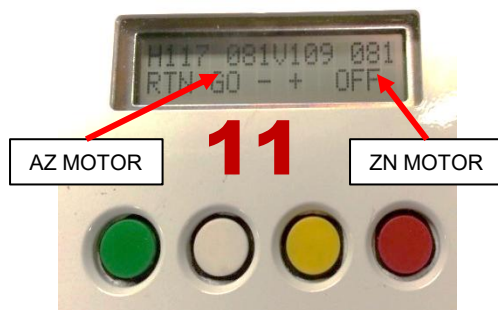
- Press any button on the control panel to wake the screen and turn Auto “Off”

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C: Switching From Automatic Mode to Manual Mode

1. 06/25/10 10:27
PW AutoRun VIEW
2. 10:27:10 PW 0
Pass Word - +
3. 10:27:10 PW 1
Pass Word - +
4. 10:27:10
RTN INI DAT PAR
5. Reading EEPROM..
6. Click through using "X" until you
find "Auto"
7. Auto YES
OK X - +
8. Auto NO
OK X - +
9. Auto NO
OK X - +
10. Valid ?
NO YES
11. Writing EEPROM
12. 10:27:10
RTN INI DAT PAR
13. 06/25/10 10:27
PW MAN SCN VIEW

1. Press the GREEN button “**PW**”, the screen will change to [Picture 1](#)
2. Press the RED button “**+**” three times. The upper right corner should now say “**PW 3**”, [Picture 2](#)
3. Press the WHITE button “**Word**”, [Picture 2](#)
4. Press the WHITE button “**MON**”, [Picture 3](#)
5. Press the RED button “**RAM**”, [Picture 4](#)
6. Press the WHITE button “**MOD**”, [Picture 5](#)
7. Press the RED button “**+**” two times, till the number until it says “**02**” [Picture 6](#)
8. Press the WHITE button “**Ecr**”. The top part of the screen should now say “**0003: 02=>02**” [Picture 7](#)
9. Once completed, press the GREEN button “**RTN**” 3 times, the Cimel will reset and the screen will go blank. Press any button to wake it back up
10. Press the yellow button “**SCN**” [Picture 8](#)
11. Press the red button so it says “**PARK**” [Picture 9](#)
12. Press the white button “**GO**”, to perform a PARK scenario.
13. The top of the screen will now show values. Once the robot is parked, the screen will return to the main page, [Picture 10](#). Press the YELLOW button “**SCN**” again to view the values. please right down those values as they appear on the screen “**H_ _ _ _ _ V_ _ _ _ _**”. [Picture 11](#)
14. The “**sae**” values, one for each motor (seen as “**081**” and “**081**”) [Picture 11](#) The target should be **65** \pm **5** and should not exceed **95**. A low number means the switch is positioned too far away, a higher number means the switch is positioned too close, [See page 4](#) for more information about switch adjustment.
15. If values are within tolerance, repeat procedure 1 – 9 and change value in step 7 using the yellow button “**-**” 2 times to get “**00**”, [Picture 12](#)
16. Return instrument to AUTO mode



Robot Motor Identification and Removal

IMPORTANT: wires are not very long inside housing and pulling with force may damage them

Step 1

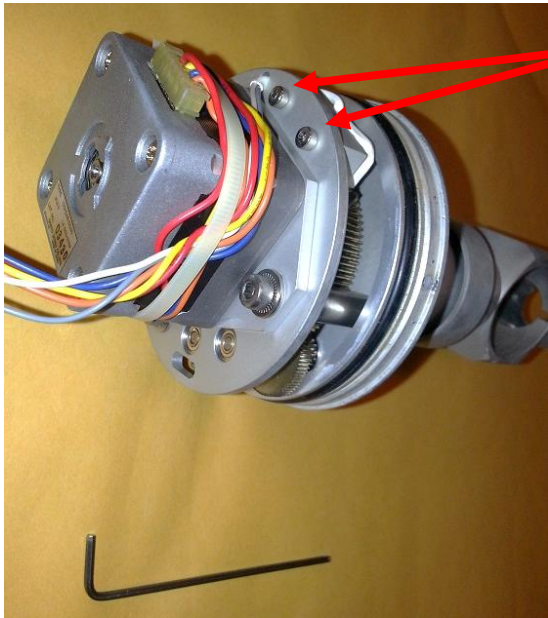
Remove the cap on motor housing and push some of the robot cable into the housing for slack to prevent the connection inside from being damaged

Step 2

Remove the 3 screws on the ZN housing or 6 screws on the AZ housing with a 2mm hex wrench and gently remove housing from motor assembly



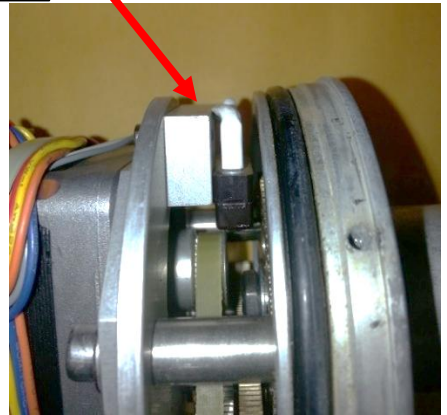
- Inspect the timing belt while the cover is off for damage.
- If the switch needs to be adjusted, it is very sensitive and only needs to move slightly in either direction to correct the values



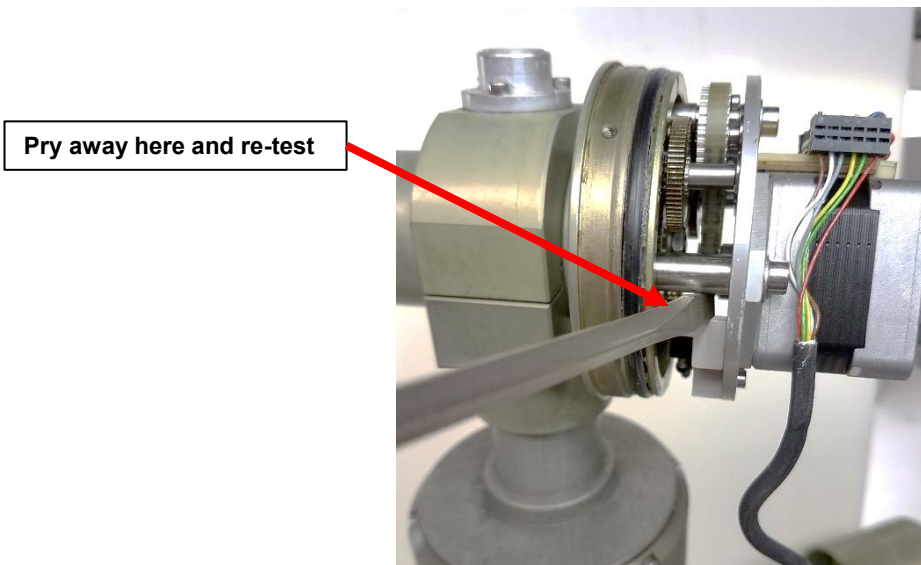
Slightly loosen the 2mm screws

If the number is below 60

And tap lightly on the aluminum switch holder with the handle of a screwdriver here and re-test



If the number is above 95



Pry away here and re-test