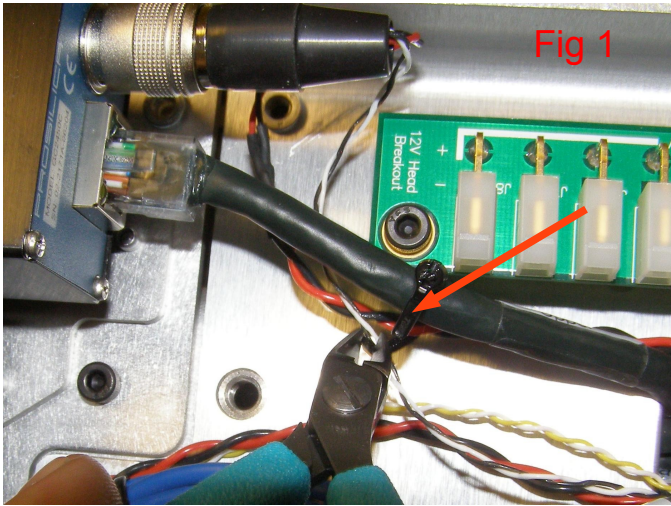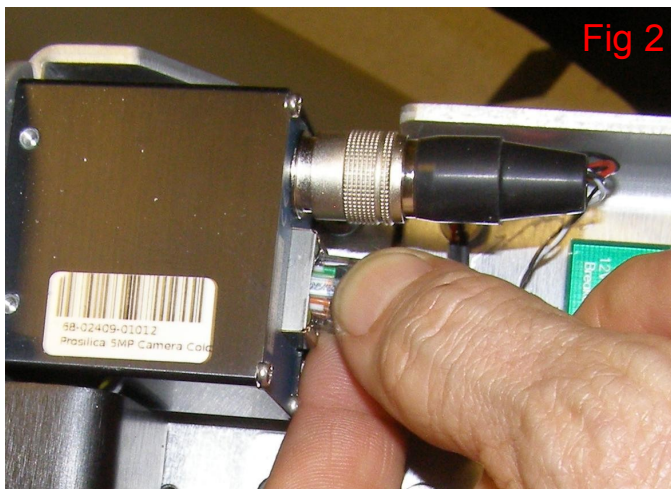Toolkit Doc25 Prosilica
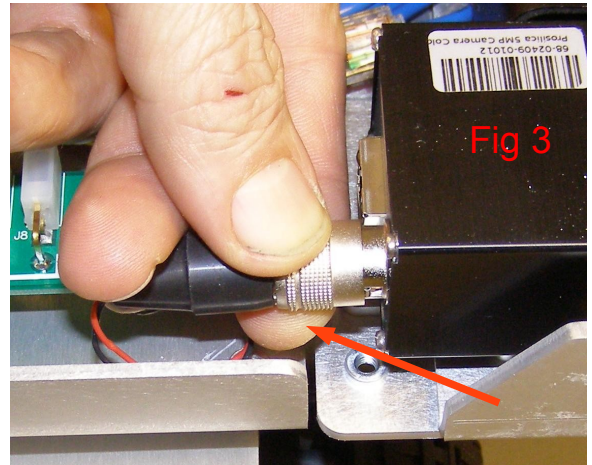Feb 15, 2011

Procilica Camera Remove

- Refer to the PR2 Overview document for additionalinformation.

- Make sure the Robot is turned off and unplugged from wall power.

- Remove the Head Pan Tilt Left. (Doc11)

- Remove the Head Pan Tilt Right. (Doc11)

- Remove the Head Hatch. (Doc12)

- Remove the Head Bezel Rear. (Doc12)

- Remove the Head Bezel Front. (Doc12)

- Remove the Head Bonnet. (Doc12)

- Cut the tie-wrap holding the Prosilica Ethernet and power cables together. (Fig. 1)
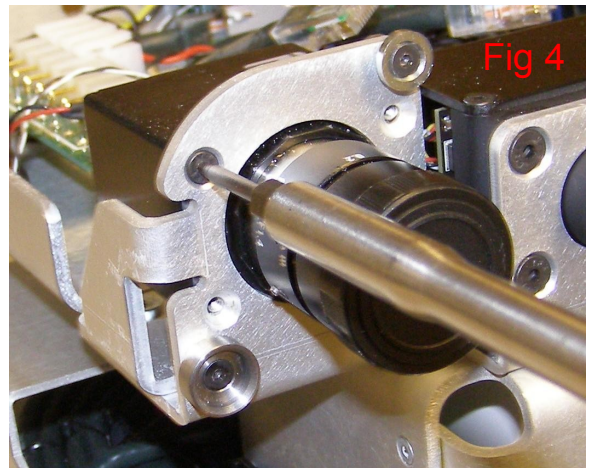

Fig 1

- Disconnect the Ethernet jack from the back of the Prosicilica. (Fig. 2)
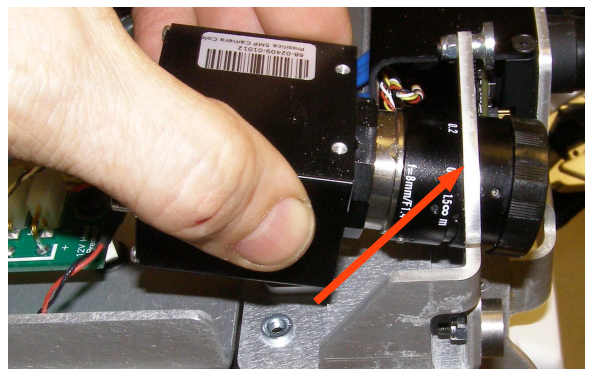

Fig 2

- Disconnect the Power Plug by pulling backwards on the knurled ring. (Fig. 3)

Fig 3

Using the 2mm bit together with the T-handle driver, remove the 4 mounting screws. (Fig. 4)

Fig 4

- Lifting the back of the camera, remove the camera from the rear being careful not to damage the lens assembly. (Fig. 5)

Procilica Camera Install

- Reverse the removal procedure.

- Carefully feed the camera lens through the mounting hole.

- Using Loctite 248, install the 4 screws and torque to 1.36Nm using the Large torque driver.

- Plug the Power Plug back in the camera being careful to rotate and align the connector correctly. The knurled ring will snap forward when the connector is correctly installed.

- Plug the Ethernet RJ45 jack in.

- Tie-wrap the Ethernet and Power cables to the standoff at the end of the 12V Head Breakout board.

- Follow the installation procedures in Doc11 and Doc12 to reassemble the Head covers.