Toolkit Doc14 Fore Arm
June2, 2010

Fore Arm Removal

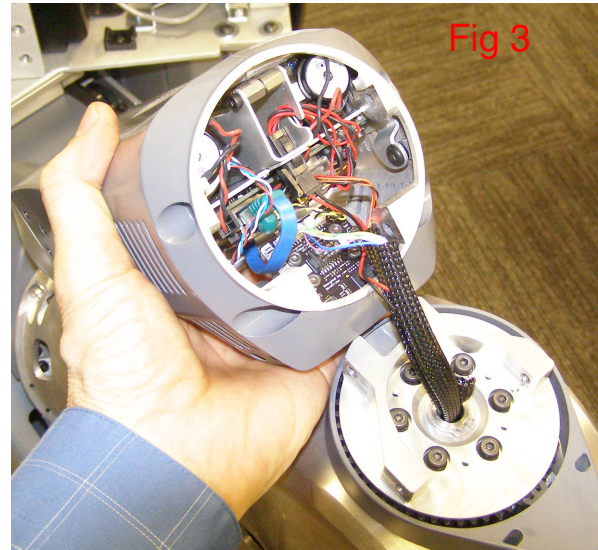- Fore Arm, Removal - 4213
  1. Remove Gripper, if needed.
  2. Carefully peal off the Cover - 2546
  3. With the Fore Arm pointing up and using the 2.5mm bit with the T-handle driver, loosen but do not remove 2 of the screws that retain the Camera. This helps to reduce the clamping force of the Fore Arm to the Upper Arm. (Fig1)
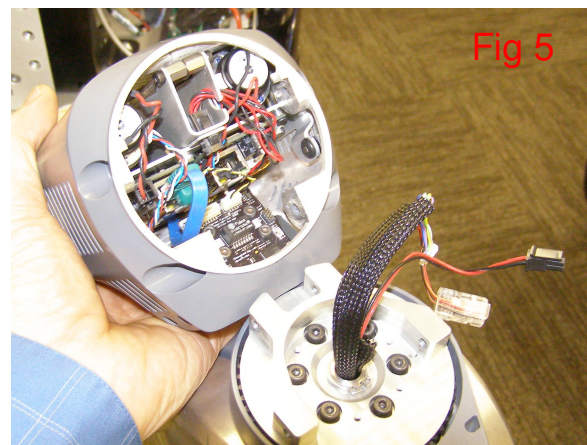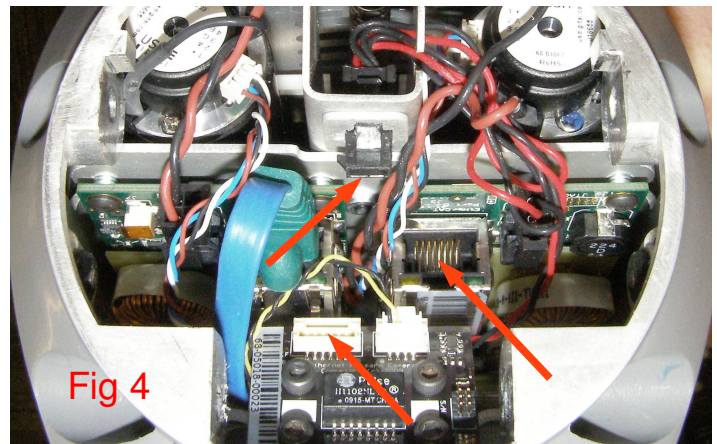

Fig 1

  4. With the Fore Arm pointing up and using the 4mm bit with the ¼ hex to ¼ drive adapter and the ¼ drive wrench, remove 4 screws, 2 on each side of the Fore Arm. Be careful that the Fore Arm does not fall off when you release the screws. Caution: the Upper Arm will want to rise with conciderable force when the Fore Arm is removed! 2018-20 (Fig 2)

Fig 2

  5. While holding the Arm down, pull the Fore Arm off by gently walking it from side to side as you gently lift it. As soon as it is off tilt the Fore Arm towards the Robot to expose the cables that will need to be disconnected. (Fig 3)
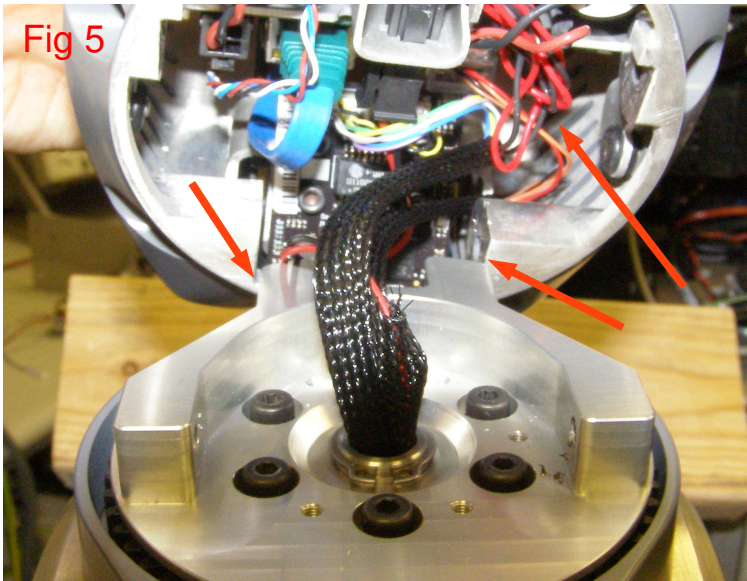

Fig 3

  6. Disconnect the 3 cables as shown. They each have a latching mechanism that needs to be released to disconnect. (Fig 4,5)

Fig 4

Fig 5

Fore Arm Install

- Fore Arm, Install
    1. Snap the 3 cables into place starting with the large clear plastic one (RJ45).
    2. Line up the Aluminum bosses and as you slowly rotate the Fore Arm into place, tuck the cable into the space on the right side as shown. You may have to rock it from side to side similar to the removal procedure to get it to fully seat.(Fig 5)

Fig 5

    3. Using Loctite 248, install the 4 screws and torque to 6.34Nm using the Large torque driver.
    4. Using Loctite 248, remove and then install the 2 Camera mount screws and torque to 1.36Nm using the Large torque driver.
    5. Reinstall the cover.

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