

To change from electric to pneumatic gripper.

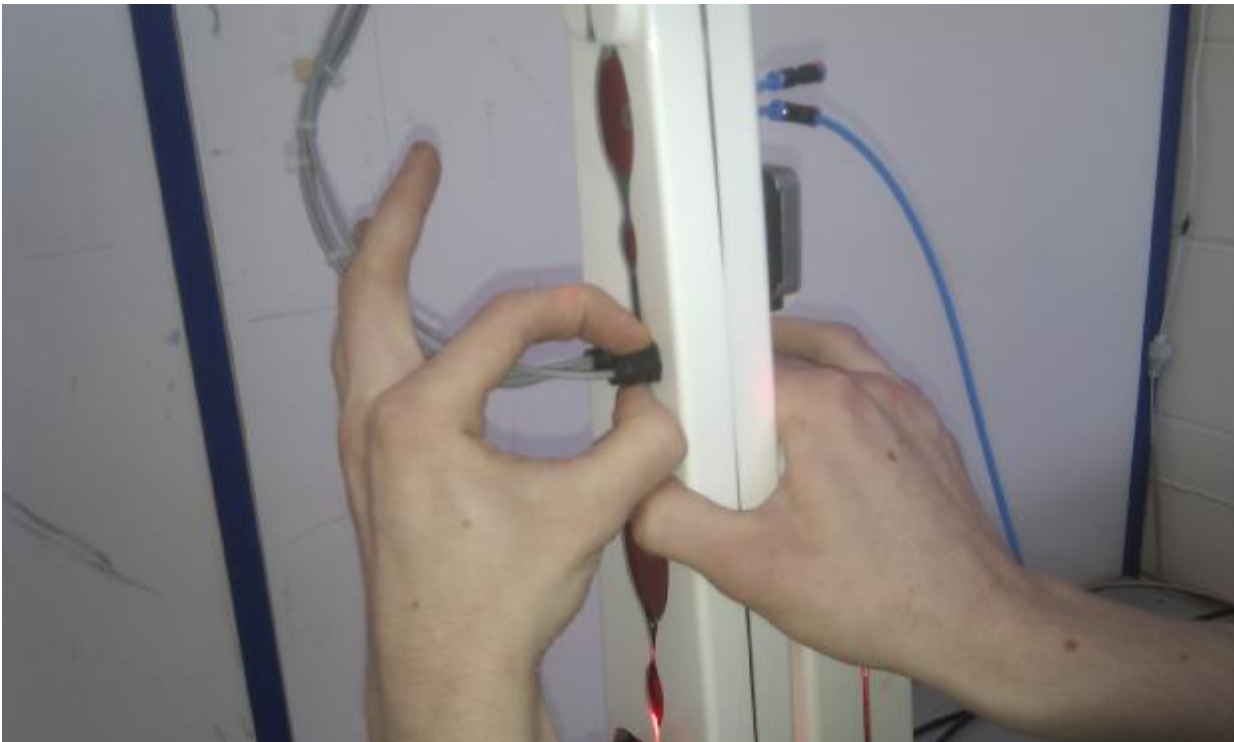
1. Disconnect the electric gripper at the fore-arm. See picture below. Push the covers in slightly and grip the collar of the connector between finger and thumb. Rotate the collar 90 degrees anti-clockwise/counter-clockwise. The connector will then come out easily. Do not try to rotate the black cover of the connector or pull the cable.
2. Unscrew the electric gripper from the flange plate using the two black screws..
3. Screw the pneumatic gripper adaptor plate to the flange.
4. Connect the pneumatic gripper to the two blue tubes marked A and B
5. Connect the valve ports to the robot ports A and B as shown in the R12 manual.
6. In the communications window enter

0 GTYPE !

Enter USAVE to write this to flash.

When you fit the electric gripper enter

1 GTYPE ! USAVE



To change to vacuum pickup

Disconnect the electric gripper as above, or disconnect the pneumatic gripper and unscrew from the flange. Screw the vacuum pickup to the flange. Connect the vacuum tubes as shown in the R12 manual. Connect the vacuum tube to port A on the back of the robot. Connect the vacuum pickup to the blue tube on the forearm also marked A. (or both marked B).