

12/22-90

# Wiring harness to position sensors

wires needed

Right arm - 7

Left arm - 7

Shoulder sensors - 2

16

Torso sensors is connected with wire harness  
From drive motor card

White - +5V #11

Black Gnd #9

Green #10 to Pin #38 ADC Input #0

Right Arm 1 tape

Left Arm 0 tape

	Pin #	colour	ADC	Pin #	colour	ADC
Gnd	16	Black	Gnd	16	Black	Gnd
Elbow Sensor	17	Green	In 3	17	Green	In 8
Wrist Sensor	18	White	In 2	18	White	In 7
Hand Sensor	19	Red	In 1	19	Red	In 6
Hand Micro sw	20	Blue	In 11 (B)	20	Blue	In 12 (C)
Bicep	24	Brown	In 4	24	Brown	In 9

Shoulder Connector 2 tape

Pin #	Colour	ADC	Connected to
	Black	Gnd	Shoulder pots
	Red	+5V	Shoulder pots
	Green	In 10 (A)	Left shoulder pot
	Blue	In 5	Right shoulder pot
15	Brown	+5V	Right Arm Connector
15	White	+5V	Left Arm Connector