































Description	Piece	# in kit
lever sensor		2 Digital sensor for HB usually used as bumper or limit sensor.
large touch sensor		2 Digital sensor for HB usually used as bumper or limit sensor.
small touch sensor		2 Small digital sensor for HB usually used as bumper or limit sensor.
encoder		2 Digital slot sensor for HB often used with an encoder wheel, but can also be used as an optical switch.
range finder		2 Optical rangefinder for HB works either for 10-70cm or 0-10cm.
ir "top hat" sensor		2 IR reflectance sensor for HB used for line following, reflective encoders, or black vs white identification.
light sensor		4 Photodiode for HB sensitive to visible and near IR light.
sonar sensor		1 Ultrasonic rangefinder for HB over range of 2-200cm.
motor wire lego/hb connector		2 For connecting LEGO motors to HB, can also be used for connecting HB digital out to RCX sensor input.
motor wire lego/lego connector		5 For connecting LEGO sensors or motors to RCX.
standard servo		3 For HB. Specify a position and servo will turn to that position and stay there. Max 180 degrees of travel.
gear motor		2 LEGO gear motor for use on RCX or HB
micro motor		1 Very small and slow LEGO gear motor for RCX or HB.
black gear motor/ modified from servo w/ hb connector		1 This behaves just like an ordinary gear motor for HB only.
black gear motor/ from modified servo w/ lego connector		2 This behaves just like an ordinary gear motor for HB or RCX.

lego ir sensor		1 LEGO light/reflectance sensor for visible and near IR. For RCX only.
lego touch sensor		2 LEGO touch sensor for RCX only.
lego grey cable		1 Connects IR tower to 9 pin serial port.
rcx brick		1 RCX robot controller
ir tower		1 IR tower for downloading programs to RCX.
interface board		1 Interface board for downloading programs to HB.
handy board w/expansion board		1 HB (Handy Board) robot controller.
pc or mac cable		1 Cable that connects 9 pin serial port to HB interface board.
telephone cord		1 Cable connects interface board to HB (note this is NOT a standard phone cable).
9 to 25 pin connector		1 Adapts a 9-pin female to 25 pin male connector.
ac adapter		1 Charger for HB
9v battery		1 Power for IR tower
aa batteries		6 Power for RCX
CMUcam		1 Color blob tracking camera for HB only
CMUcam charge dongle		1 The dongle allows the CMUcam and HB to be connected but still charge the HB.