

MBARI					
JOSE ROSAL					
ESP WIRE HARNESS OUTSOURCE BOM, 07.12.06					
PER SYSTEM BILL OF MATERIAL (5 SYSTEMS NEEDED)					
ITEM	QTY	REFERENCE	MANUFACTURER	PN	DESCRIPTION
ABSOLUTE ENCODER	8				
1	5	CP1,CP2,CP3,CP4,CP5	Amp	104479-7	Pin for 103648
2	5	CP6,CP7,CP8,CP9,CP10	Molex	16-02-0103	Pin For 50-57-94XX
3	1	J1	Molex	103648-5	6 Pin Housing
4	1	J2	Molex	50-57-9405	5 Pin Housing
BULKHEAD VALVE	2				
1	2	CP1,CP2	Amp	104479-7	Pin for 103648
2	1	J1	Amp	103648-1	2 pin housing
HOME SENSOR	6				
1	3	CP1,CP2,CP3	Molex	16-02-0103	Pin For 50-57-94XX
2	3	CP4,CP5,CP6	Amp	104479-7	Pin for 103648
3	1	J1	Molex	50-57-9403	3 Pin locking connector housing
4	1	J2	Amp	103648-2	3 Pin connector housing
LATCHHOME	2				
1	6	CP1,CP2,CP3,CP4,CP5,CP6	Amp	104479-7	Pin for 103648
2	6	CP7,CP8,CP9,CP10,CP11,CP12	Molex	16-02-0103	Pin For 50-57-94XX
3	1	J1	Amp	103648-5	6 pin housing
4	1	J2	Molex	50-57-9406	6 pin housing
MAXON 6PIN	5				
1	7	CP1,CP2,CP3,CP4,CP5,CP6,CP7	Amp	104479-7	Pin for 103648
2	7	CP8,CP9,CP10,CP11,CP12,CP13,CP14	Molex	16-02-0103	Pin For 50-57-94XX
3	1	J1	Amp	103648-9	10 pin housing
4	1	J2	MOLEX	50-57-9410	10 pin housing
MAXON 10PIN	2				
1	10	CP1,CP2,CP3,CP4,CP5,CP6,CP7,CP8,CP9,CP10	Amp	104479-7	Pin for 103648
2	10	CP11,CP12,CP13,CP14,CP15,CP16,CP17,CP18,CP19,CP20	Molex	16-02-0103	Pin For 50-57-94XX
3	1	J1	Amp	103648-9	10 pin housing
4	1	J2	MOLEX	50-57-9410	10 pin housing
MOTOR HARNESS	8				
1	2	CP1,CP2	Amp	104479-7	Pin for 103648
2	2	CP3,CP4	Molex	16-02-0115	Pin for 70107, MALE
3	2	CP5,CP6	Molex	16-02-0103	Pin For 50-57-94XX
4	1	J1	Amp	103648-1	2 pin housing
5	1	J2	Molex	70107-0001	2 pin housing
6	1	J3	Molex	50-57-9401	2 pin housing
PUCK SENSOR	2				
1	4	CP1,CP2,CP3,CP4	Amp	104479-7	Pin for 103648
2	4	CP6,CP7,CP8,CP9	Molex	16-02-0103	Pin For 50-57-94XX
3	1	J1	Amp	103648-4	5 pin housing
4	1	J2	Molex	50-57-9404	4 pin housing
THERMAL CONTROL	2				
1	4	CP1,CP2,CP3,CP4	Amp	104479-7	Pin for 103648
2	4	CP5,CP6,CP7,CP8	Molex	16-02-0103	Pin For 50-57-94XX
3	1	J1	Molex	50-57-9404	4 pin housing
4	1	J2	Amp	103648-2	4 pin housing
VALVE HARNESS	2				
1	16	CP1,CP2,CP3,CP4,CP5,CP6,CP7,CP8,CP9,CP10,CP11,CP12,CP13,CP14,CP15,CP16	Molex	16-02-0103	Pin For 50-57-94XX
2	8	J1,J3,J4,J5,J6,J8,J9,J10	Burkert	644-068	2 pin Connecotr and 0.3m wires
3	2	J2,J7	Molex	50-57-9408	2 Pin Housing
VALVE MANIFOLD	2				
1	16	CP1,CP2,CP3,CP4,CP5,CP6,CP7,CP8,CP9,CP10,CP11,CP12,CP13,CP14,CP15,CP16	Molex	16-02-0115	Pin for 70107, MALE
2	16	CP17,CP18,CP19,CP20,CP21,CP22,CP23,CP24,CP25,CP26,CP27,CP28,CP29,CP30,CP31,CP32	Amp	104479-7	Pin for 103648
3	1	J1	Amp	103648-9	10 pin housing
4	2	J2,J3	Molex	70107-0007	8 Pin Housing
5	1	J4	Amp	103648-5	6 pin housing
*BOLD QTY NUMBERS RESPRESENTS THE TOTAL NUMBER OF HARNESSES (REGARDLESS OF WHAT VARIANT) PER SYSTEM					