



REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
B	EC 1131692-32	RIKNAB JAN-2010	CSUNDB

- NOTES:
- BOM TABLE NOTES:
INDEX NUMBERS SHOWN PERTAIN TO THIS DRAWING ONLY AND MAY CHANGE WITH DRAWING/MODEL REVISIONS. THEREFORE, THESE INDEX NUMBERS ARE NOT TO BE REFERENCED IN OTHER DRAWINGS/DOCUMENTS.
INFORMATION CONTAINED IN THE COLUMN LABELED ASSEMBLY INFO IS REFERENCE. SEE WOODWARD ASSEMBLY PROCEDURES FOR CURRENT ASSEMBLY INSTRUCTIONS.
 - MANUFACTURE PER 3-09-0196.
 - STAMP WITH WOODWARD AND P/N 5404-1217 AND CURRENT REV LEVEL.
 - SPECIFIED AND SIZED BY VENDOR. STAMP WITH DESIGNATION AS INDICATED.
LABEL TO BE WHITE POLYESTER, ADHESIVE BACKED, RATED AT OR ABOVE (-40° C TO +125° C).
 - SPECIFIED AND SIZED BY VENDOR. BRAIDED EXPANDABLE SLEEVING. SLEEVE MATERIAL TO MEET UL REQUIREMENTS AND CSA APPROVED, RATED AT OR ABOVE (-40° C TO +125° C). WIRES TO BE COVERED AT TRANSITION POINTS.
 - SPECIFIED AND SIZED BY VENDOR. HEAT SHRINK SLEEVE. SLEEVE MATERIAL TO BE BONDING, ADHESIVE LINED, ALPHA WIRE TYPE "FIT-750" OR EQUIVALENT.
 - COMPLETED HARNESS SHALL MAINTAIN SUFFICIENT COMPLIANCE TO BE COILED IN A 16 INCH DIAMETER LOOP AND MAINTAIN THAT APPROXIMATE SHAPE WITHOUT TYING.
 - CONTINUITY TESTING TO BE PERFORMED USING MATING CONNECTORS ONLY. NO POGO PINS OR PROBING DEVICES OF ANY KIND SHALL BE USED TO TEST THE CABLE DIRECTLY.
 - LOCATE LABEL APPROXIMATELY AS SHOWN.

INDEX #	ITEM #	DESCRIPTION	QTY	ASSEMBLY INFO (See Notes)
1	1635-1769	CONNECTOR CONFMFL05200, 48 PIN FOR 112 PIN CONT - BROWN KEY, RIGHT DRESS)	1	C01 (ECM B)
2	1602-1106	TERMINAL CONTMFL05000, FEMALE - .63MM FOR 112PIN CONTROLLER)	6	
3	1634-1013	BACKSHELL QONCOVR009, CONNECTOR COVER - 48 PIN MOLEX)	1	
4	1635-1737	CONNECTOR CONFMFL006G00, ASSEMBLY - 10 PIN)	1	C02 (SMART-CRAFT)
5	1602-1084	TERMINAL CONTMFL00900, CONNECTOR FEMALE (16-18 AWG)	5	
6	1391-0137	SEAL CONSEAL01300, CONNECTOR - WIRE)	5	
7	1223-1346	PLUG CONPLUG00400, CONNECTOR)	5	
8	1633-1002	STRAIN RELIEF (CONSTRN00100, CONNECTOR)	1	
9	3061-2014	LABEL HEAT-SHRINKABLE POLYOLEFIN .500 I.D. TUBING)	1	
10	1609-515	STRAP (WIRE BUNDLE)	1	
11	-	LABEL ADHESIVE BACKED, (APPROX. 25 X .50))		SPECIFIED BY VENDOR, SEE NOTE 4
12	2008-1259	WIRE (18AWG, TXL, WHT (T-2183))		BULK ITEM
13	-	SLEEVE (WIRE BUNDLE, BRAIDED, BLK/WHT STRIPE)		SPECIFIED BY VENDOR, SEE NOTE 5
14	-	SLEEVE (HEAT SHRINK, BONDING ADHESIVE LINED, BLACK)		SPECIFIED BY VENDOR, SEE NOTE 6
15	-	0		

WIRE TO / FROM TABLE						
WIRE NO.	FROM CONN	FROM PIN NO.	TO CONN	TO PIN NO.	INDEX NUMBER (WIRE P/N)	SIGNAL
1	C01	A3	SPL01	1	12	+12V
2	C01	G4	SPL01	1	12	+12V
3	SPL01	1	C02	F	12	KEY SW +12V WHEN ON
4	C01	D3	C02	B	12	GROUND
5	C01	H3	C02	E	12	STOP
6	C01	A1	C02	J	12	CAN1+
7	C02	A2	C02	K	12	CAN1-

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COAXIAL REQUIREMENTS
010 FIM

ALL DIMS ARE IN INCH

MATERIAL SUBSTITUTION PER FES-0000

THREADS PER SS-130

UNSPECIFIED TOLERANCES
XX ± .03
XXX ± .010
XXXX ± .0005

ANGLES
±5°

DEFAULT TOLERANCES. ALL REQUIREMENTS WITHIN DRAWING BORDER HAVE PRECEDENCE.

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. DRAWING DEFINITIONS AND TOLERANCES SHALL BE FOUND IN SS-114.

THIRD ANGLE PROJECTION

APPROVED DATE
CSUNDB JAN-2010

CHECKED DATE
CSUNDB JAN-2010

DRAWN DATE
RIKNAB JAN-2010

W. WOODWARD

FORT COLLINS, COLORADO, USA

HARNESS

HARNP112003, SERIES ECM5554112090X PROGRAMMING HARNESS, 3 FT

SIZE D

CAGE CODE 31361

DWG NO 5404-1217

REV B

SHEET 1 OF 1