



Document Number:

SF945-INST

Description:

INSTRUCTION SHEET

CATVS ON SMM NON HD TERMINATION

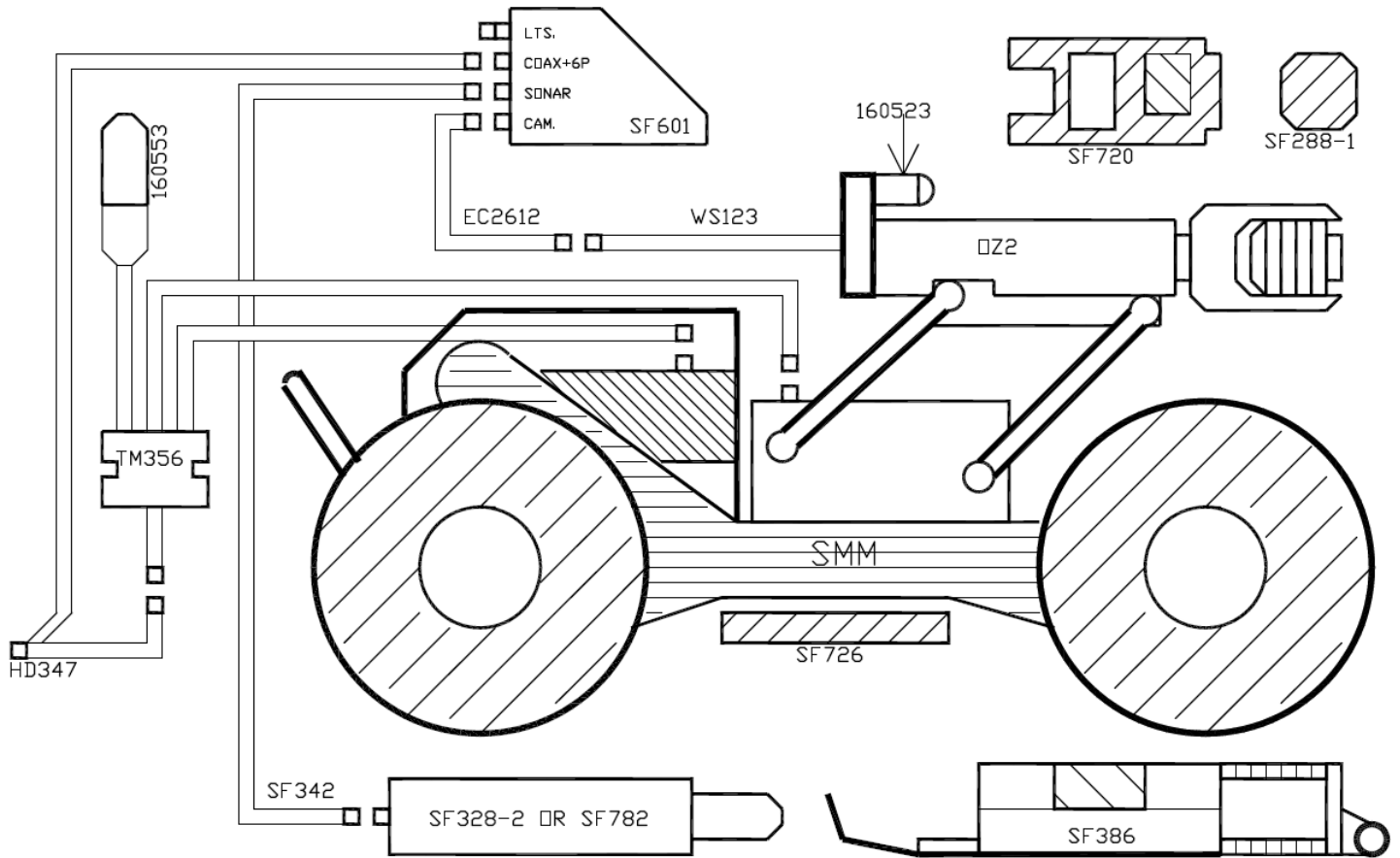
Signature: Karla Caraballo CHKR

Signature: Tony Winiewicz ENGR

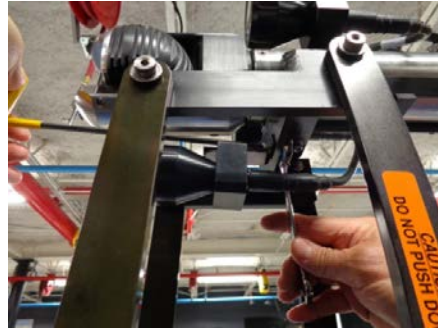
Signature: [Signature] MFG

ECN: _____ Revision: -





SF945 KIT,CATVS,XPORT,SMM,NONHD,TRK,<2K'			
ITEM	QTY	DESCRIPTION	CUES P/N
1	1	ELEC ENCL,DWNHL,ANLG TV/SNR,SNG CBL	SF601
2	1	CABLE ASSY,CATVS TX TO M.E. SONAR	SF342
3	1	PLATE, MOUNTING, MM, CATVS	SF720
4	1	Y ELIMINATOR,90° W/TAP,PR,NO LIFT	WS123
5	1	ADAPTER,CATVS,LEGACY 12 PIN>SMM,59"	HD347
6	1	DUMMY PLUG,2-PIN MALE	160523
7	1	CABLE,LGHTHD,HPL 8 & 10 16.75"	160627
8	10	CLAMP,CABLE NYLON 3/8ID	121003
9	10	SCREW,PAN,10-32X3/8 SST	103031
10	2	SCREW,CAPSKT,10-32X.75,SCS BLK	HW925
11	10	MRO-TIE,CABLE,3/16"X14" BLACK	440302
12	1	GUARD,SONAR,MARINE ELECTRONICS,SFX	SF386
13	1	PLATE,MNTING,MM,CATVS,DWNHOLE	SF288-1
14	1	CORDSET,M12,5P,STR,M-F,1M,TURCK	EC2612
15	1	COVER,SMM,CABLE GROOVE,SONAR	SF726
16	2	SCREW,CAP,SKT HD,10-32X1/2,SST	102001
17	2	SCREW,CAP,SKT HD,1/4-20X1/2,SST	101001
18	4	SCREW,CAP,SKT HD,1/4-20X1-1/4,SST	104044
19	4	SCREW,CAP,SKT HD,3/8-16X5/8,SST	101250
20	1	DUMMY PLUG,5-PIN MALE	160553
21	4	MRO-MOUNT,CABLE TIE	505147
22	10	MRO-TIE,CABLE,14"X5/16"BLACK	440305
23	10	MRO-TIE,CABLE,3/32" X 4",BLACK	CS444
24	10	MRO-TIE,CABLE,3/16"X7-1/2"BLACK	440304
25	8	SCREW,PAN,8-32X3/8 PHIL SST	103065
26	2	SCREW,FLAT,3/8-16X1 1/2 SKT BLKOX	101238
999	1	INST,CATVS,SMM,NON HD TERMINATION	SF945-INST



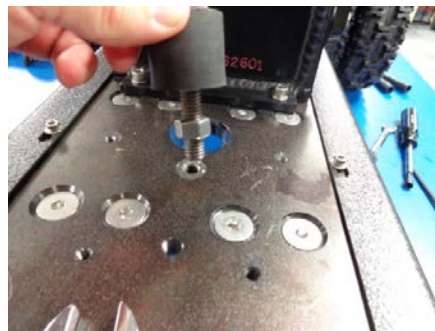
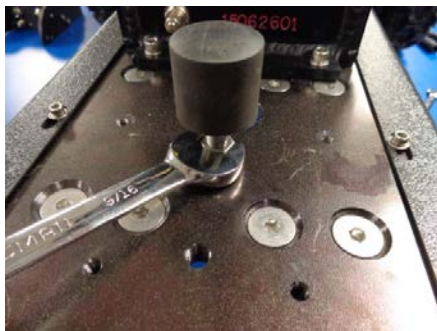
STEP 1- BRING THE LIFT UP AND REMOVE THE BOTTOM EXTERNAL LIGHTHEAD.



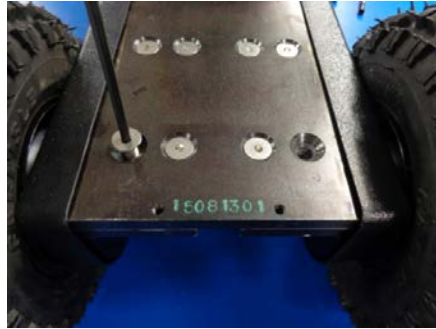
STEP 2- UNPLUG BOTH TOP EXTERNAL LIGHTS.



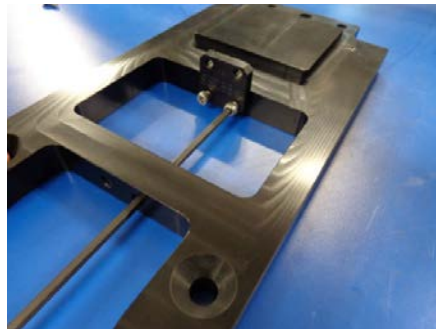
STEP 3- REMOVE THE THREE SET SCREWS IN THE BACK OF THE CAMERA AND REMOVE THE Y-ELIMINATOR AND UNPLUG Y-ELIMINATOR FROM THE 5 PIN CONNECTOR.



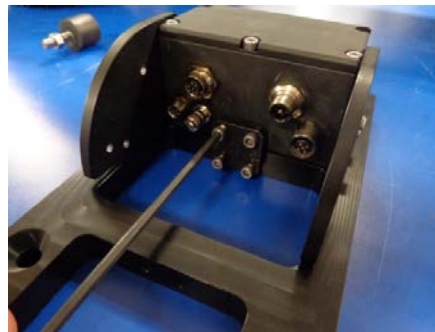
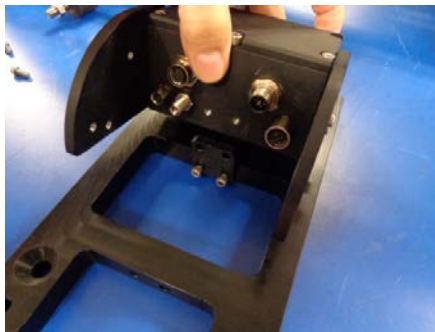
STEP 4- LOOSEN THE BUMPER NUT AND REMOVE THE BUMPER.



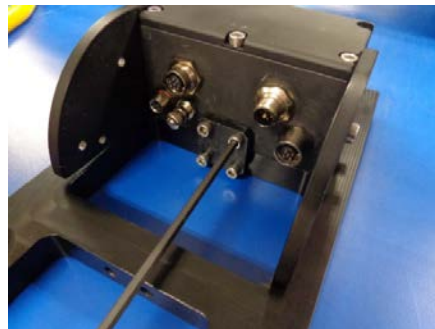
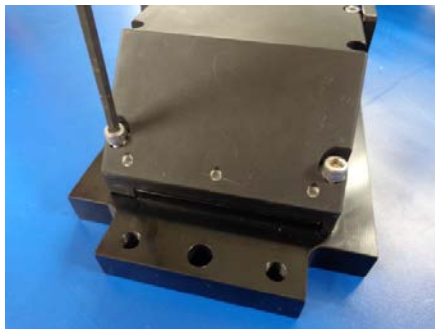
STEP 5- REMOVE THE TWO FRONT EXTERNAL SCREWS.



STEP 6- LOOSELY INSTALL THE SF288-1 PLATE TO THE SF720 PLATE USING SCREWS 101001.



STEP 7- PLACE THE TRANSMITTER SF601 ON THE SF720 PLATE AND LOOSELY INSTALL THE TWO REAR SCREWS 102001 ON THE TRANSMITTER.



STEP 8- INSTALL AND TIGHTEN THE TWO FRONT SCREWS 104044 AND THEN TIGHTEN THE FOUR REAR SCREWS ON THE TRANSMITTER.



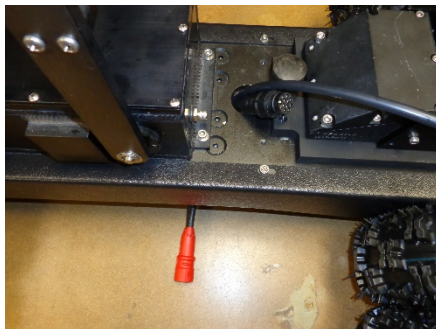
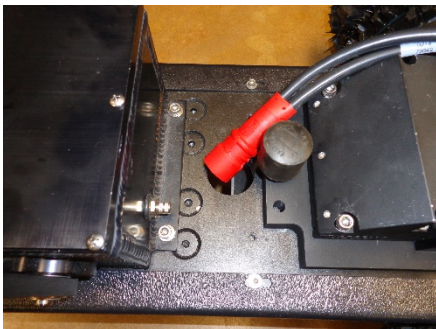
STEP 9- INSTALL BUMPER BY HAND.



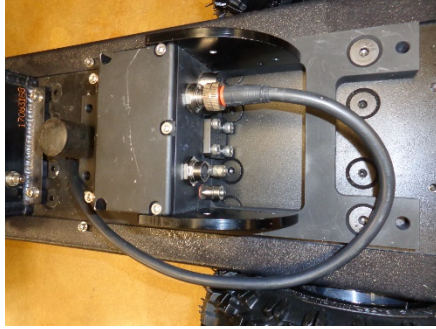
STEP 10- INSTALL THE TWO FRONT EXTERNAL SCREWS 101238.



STEP 11- SCREW THE BUMPER ALL THE WAY DOWN AND TIGHTEN THE BUMPER NUT.



STEP 12- INSERT THE RED 12 PIN END OF THE HD347 CABLE THROUGH THE TOP OF THE FRONT HOLE ON THE SMM AND ROUTE TOWARDS THE BACK OF THE TRANSPORTER IN THE CHANNEL.



STEP 13- PLUG THE HD347 CABLE TO THE “COAX+6P” CONNECTOR ON THE TRANSMITTER BOX.



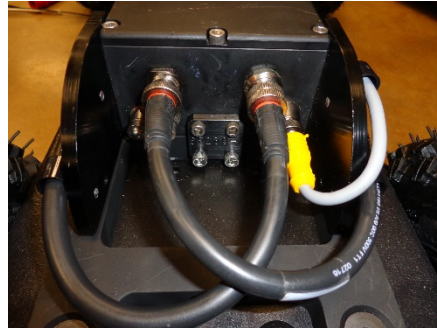
STEP 15- CONNECT THE CAMERA EXTENSION P/N EC2612 TO THE “CAM” CONNECTOR ON THE TRANSMITTER BOX.



STEP 16- CONNECT THE SONAR CABLE SF342 TO THE “SONAR” CONNECTOR ON THE TRANSMITTER BOX.



STEP 17- INSTALL TWO CABLE CLAMPS 121003 USING SCREWS 103031 ON THE RIGHT WING OF THE TRANSMITTER; ONE FOR THE SONAR CABLE AND ONE FOR THE CAMERA EXTENSION CABLE AS SHOWN.



STEP 18- INSTALL TWO CABLE CLAMPS 121003 USING SCREWS 103031 ON THE LEFT WING OF THE TRANSMITTER FOR THE HD347 CABLE.



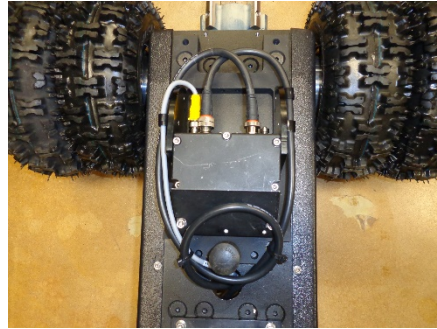
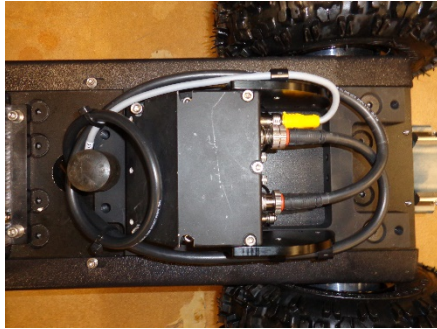
STEP 19- INSERT THE SONAR CABLE THROUGH THE FRONT HOLE IN THE CHASSIS.



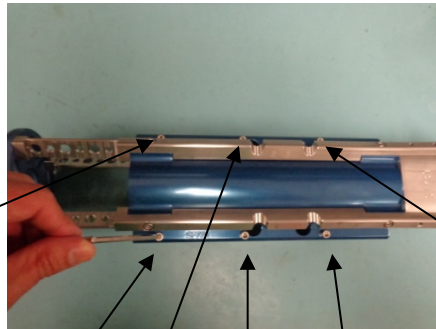
STEP 20- INSERT THE CAMERA EXTENSION CABLE THROUGH THE FRONT HOLE IN THE CHASSIS.



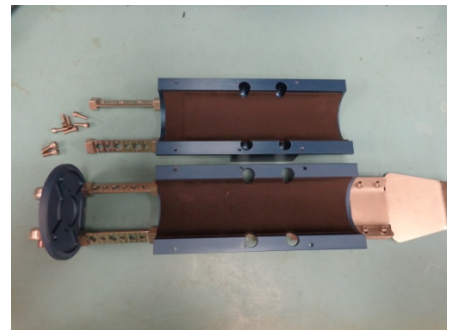
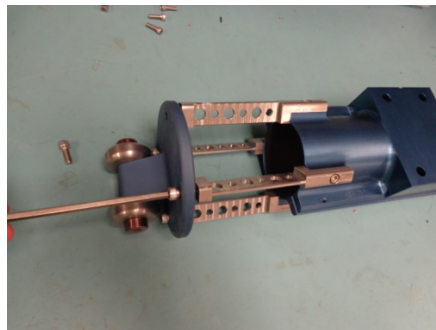
STEP 21- ROUTE THE CAMERA EXTENSION CABLE IN THE CHANNEL AND INSERT IT THROUGH THE REAR HOLE IN THE CHASSIS.



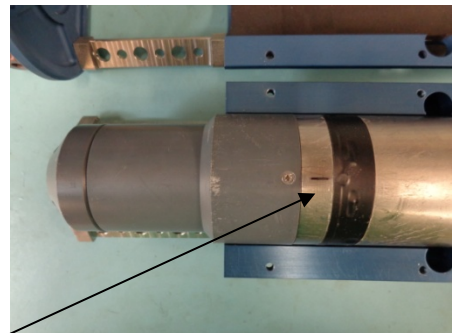
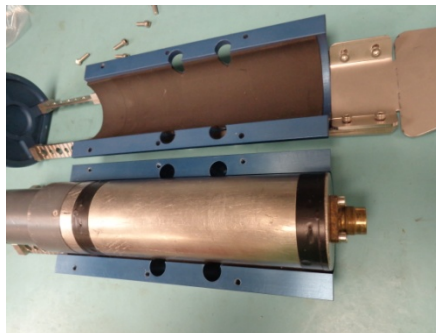
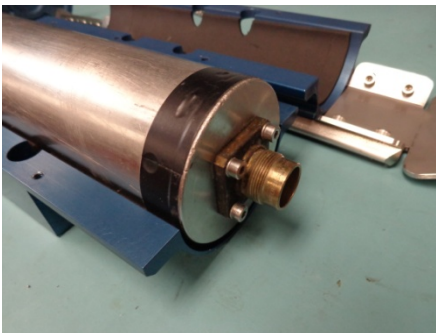
STEP 22- LOOP THE SF342 SONAR CABLE AROUND THE BUMPER AND PLACE TWO TIE WRAPS 440305 SECURING THEM TO THE CAMERA EXTENSION CABLE AND TO THE HD347 CABLE.



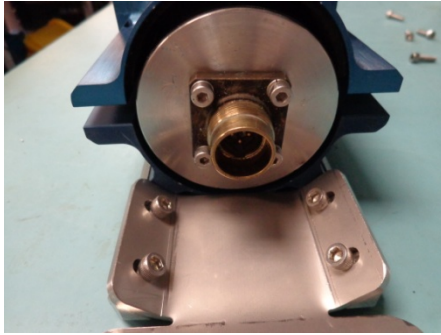
STEP 23- REMOVE THE SIX SCREWS HOLDING THE TWO BLUE SONAR CLAMPS TOGETHER ON THE SONAR GUARD SF386.



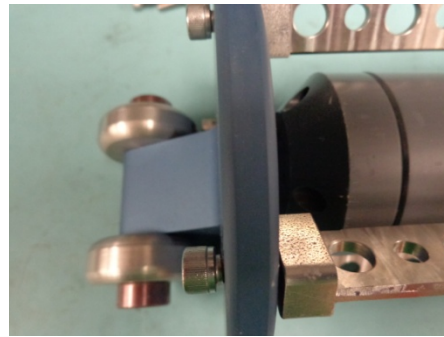
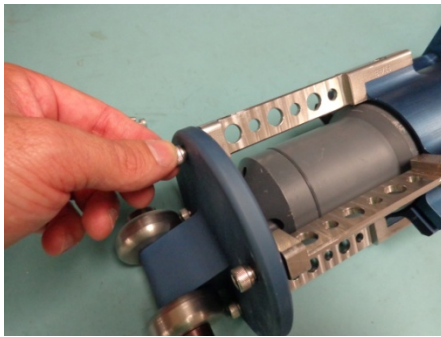
STEP 24- REMOVE THE TWO FRONT SCREWS AND SEPARATE THE TOP SONAR CLAMP FROM THE BOTTOM SONAR CLAMP WITH THE WHEELS.



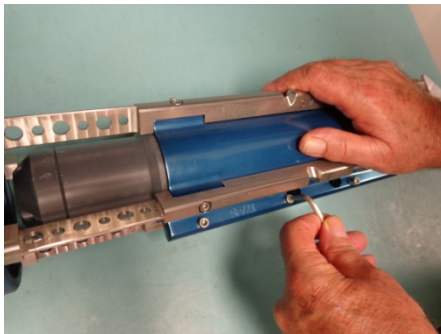
STEP 25- PLACE THE SONAR HEAD ON THE TOP SONAR CLAMP. **NOTE: PLACE THE SONAR WITH THE MARKING AWAY FROM THE CLAMP.**



STEP 26- GRAB THE SONAR AND THE TOP CLAMP AND PLACE IT ON TOP OF THE BOTTOM CLAMP. **NOTE: IN THE RIGHT PICTURE, THE TOP CLAMP WAS REMOVED TO SHOW HOW THE SONAR SHOULD SEAT ON THE BOTTOM CLAMP.**



STEP 27- LOOSELY INSTALL THE TWO FRONT SCREWS BY HAND.



STEP 28- INSTALL ALL SIX SCREWS HOLDING THE TWO CLAMPS TOGETHER. THEN TIGHTEN THE TWO FRONT SCREWS.



STEP 29- CONNECT THE SONAR CABLE TO THE SONAR HEAD. VERIFY THAT THE CONNECTOR GETS PLUGGED IN ALL THE WAY.



STEP 30- INSTALL THE SONAR GUARD AND TIGHTEN ALL FOUR MOUNTING SCREWS 101250 IN THE FRONT AND UNDER THE TRANSPORTER. **NOTE: USE THE FOUR FRONT HOLES OF THE TRANSPORTER.**



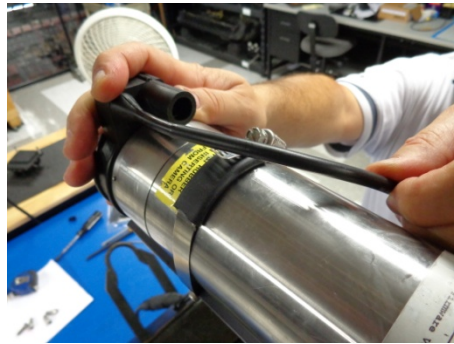
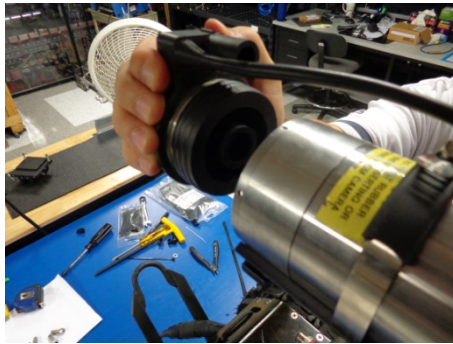
STEP 31- INSTALL THE CHANNEL PLATE SF726 USING SCREWS 103065.



STEP 32- IF NO MOUNTING HOLES EXIST ON THE LIFT ARM, PLACE TWO STICKY CABLE MOUNTS 505147 ON THE LEFT REAR LIFT ARM.



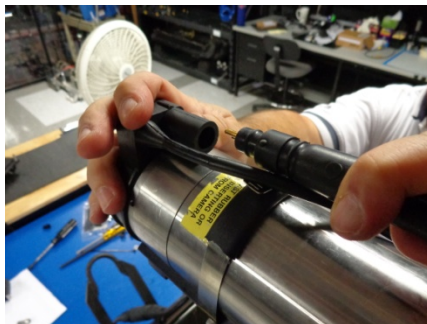
STEP 33- PLUG THE 12 PIN END OF THE HD347 CABLE TO THE TRANSPORTER CABLING.



STEP 34- PLUG THE Y-ELIMINATOR WS123 TO THE CAMERA AND TIGHTEN THE THREE SET SCREWS.



STEP 35- CONNECT THE 5 PIN DUMMY PLUG 160553 TO THE TRANSPORTER CABLING.



STEP 36- CONNECT THE DUAL LIGHT CABLE 160627 TO THE Y-ELIMINATOR WS123. **NOTICE CABLE ROUTING.**



STEP 37- PLUG BOTH EXTERNAL LIGHTS.



STEP 38- CONNECT THE CAMERA EXTENSION CABLE EC2612 TO THE Y-ELIMINATOR WS123.



STEP 39- INSTALL TWO SMALL TIE WRAPS CS444 TO SECURE THE Y ELIMINATOR AND CAMERA EXTENSION CABLE TO THE STICY TIE WRAP MOUNTS.



STEP 40- INSTALL FOUR LARGE TIE WRAPS 440304 TO SECURE THE Y ELIMINATOR AND CAMERA EXTENSION CABLE TO THE LIFT ARM.



