

Document Number:

HD914-INST

Description:

**INSTRUCTION SHEET, DUC TO
SMM**

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Rev	Date	ECN	Description	RC	DWN
-	6/15/12	-	INITIAL RELEASE	-	AC
A	5/22/15	12741	CHANGED STEP 10's PICTURE	5	AC
B	6/21/16	13096	REPLACED ITEM 5 WITH CORRECT PART, 160553	5	TT
C	11/21/19	14248	ADDED HD380 CONFIG, CHANGE TO POWER POINT	5	TW
D	5/5/21		SKIPPED REV DUE TO REDLINE REV SCHEME		GMG
E	5/10/21	14559	ADDED -2 CONFIGURATION	6	GMG

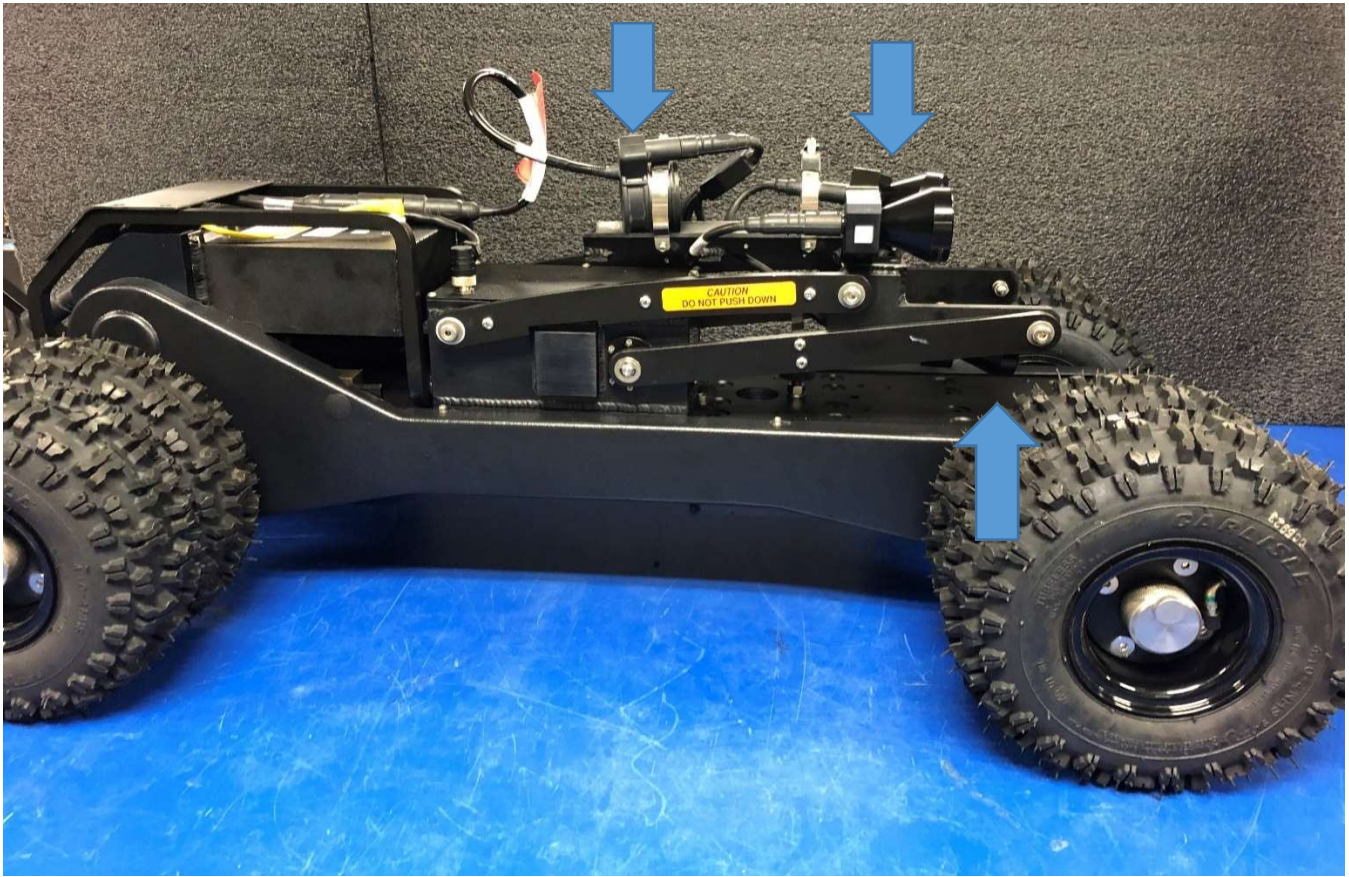
BILL OF MATERIAL						
-2	-1	BASIC	ITEM	DESCRIPTION	PART NO	NOTE
0	0	2	1	CABLE,Y-CBL,HD12>SMM,52"L,DUC	HD308-2	
1	1	1	2	BRACKET,MNT,SPLITTER CBL,HD CAM	HD047	Reference
2	2	2	3	SCREW,CAP,HEX,SKT,.25-20X.312,SST	HW2353	Reference
2	2	2	4	SCREW,CAP,SKT HD,10-32X3/4,SST	100121	Reference
1	1	1	5	DUMMY PLUG,5-PIN MALE	160553	
1	1	1	6	INST SHEET,KIT,DUC TO SMM	HD914-INST	
2	2	2	7	BRACKET, MOUNTING, CAMERA, SMM, DUC	HD102	
2	2	2	8	SCREW, SHCS, 8-32 X 3/8, SST	100448	
0	2	0	9	ADAPTER,HD12>CATVS,STRAIGHT,52"	HD342-2	
2	0	0	10	ADAPTER,DUC,SMM,12 PIN NON-HD,54"	HD356-2	

Camera Cable Configuration Matrix				
Camera	HD300	HD300-1	HD300-2	HD380
Cable	HD308-2	HD308-2	HD342-2	HD342-2 or HD356-2

Description: This document details the installation of the camera connection cables for the DUC cameras on the Mud Master with an electric lift. There are several versions of the DUC camera. The HD300 and the HD300-1 versions use the right angle connector cable HD308-2. The HD300-2 and HD380 versions utilize the straight connector cable HD342-2. HD356-2 is used on legacy 12 pin systems and it is only compatible with the HD380 camera. This document is divided into five sections:

- 1) Preparing the platform for the cameras.
- 2) For the HD300 and HD300-1 cameras which use the right angle connector adapter cable HD308-2.
- 3) For the HD300-2 and HD380 cameras which use the straight connector adapter cable HD342-2.
- 4) For the HD380 camera, when used in 12 pin legacy systems, which use the adapter cable HD356-2.
- 5) For installing the cameras on the lift and dressing the cables.

Section 1 – preparing the platform for the camera



Remove auxiliary lights, mounting brackets, light cables, and Y-Eliminator.

Section 1 – preparing the platform for the camera



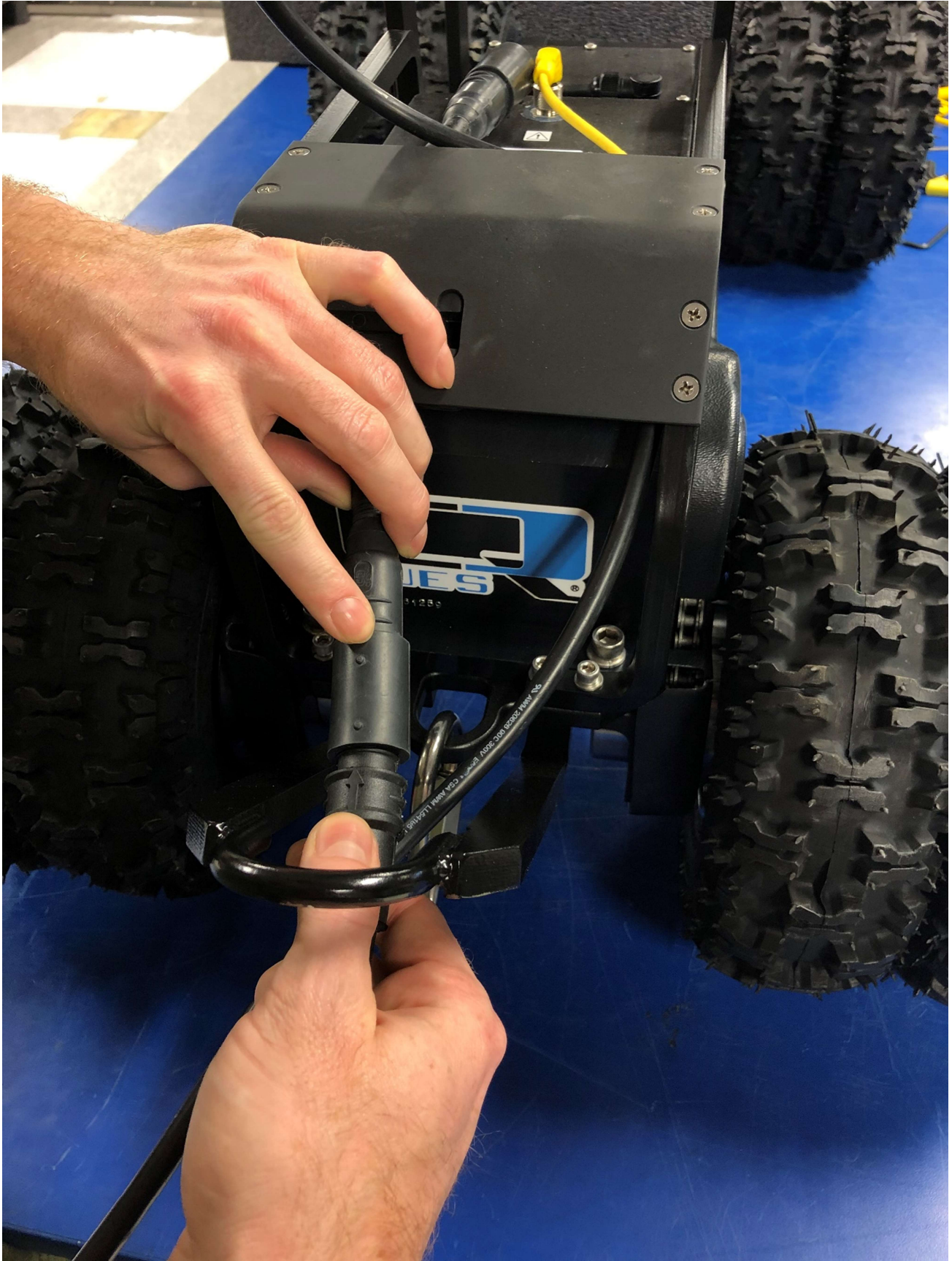
Install Dummy Plug, PN 160553, to the TM356 Cable.

Section 1 – preparing the platform for the camera



Remove rear cover, install and route cable HD308-2, HD342-2, or HD356-2 as shown, then reinstall rear cover.

Section 1 – preparing the platform for the camera



Connect 12 pin of TM356 cable to HD308-2, HD342-2 or HD356-2 as shown. The HD356-2 has a gray connector end. For HD356-2, skip to section 4.

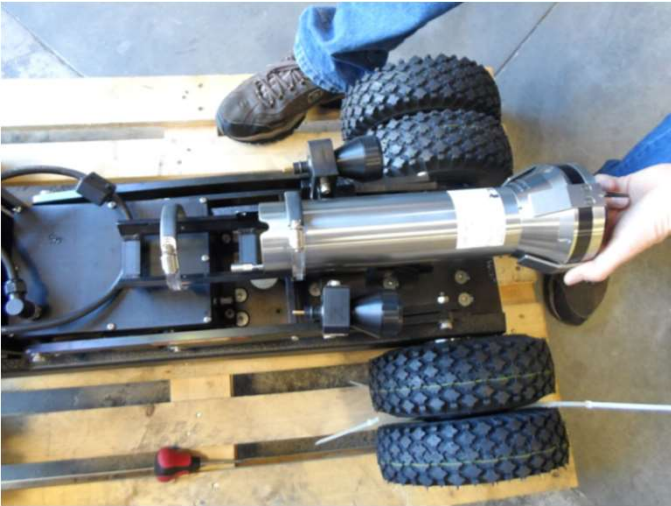
Section 2 HD300 & HD300-1 Cable HD308-2 Installation Instructions



INSTALL HD308-2 CABLE SPLITTER. NOTE: BOSS ON SPLITTER MUST FIT INTO HOLE ON BRACKET.



INSTALL BRACKET (HD047) AND SCREWS (HW2353), IF NECESSARY.

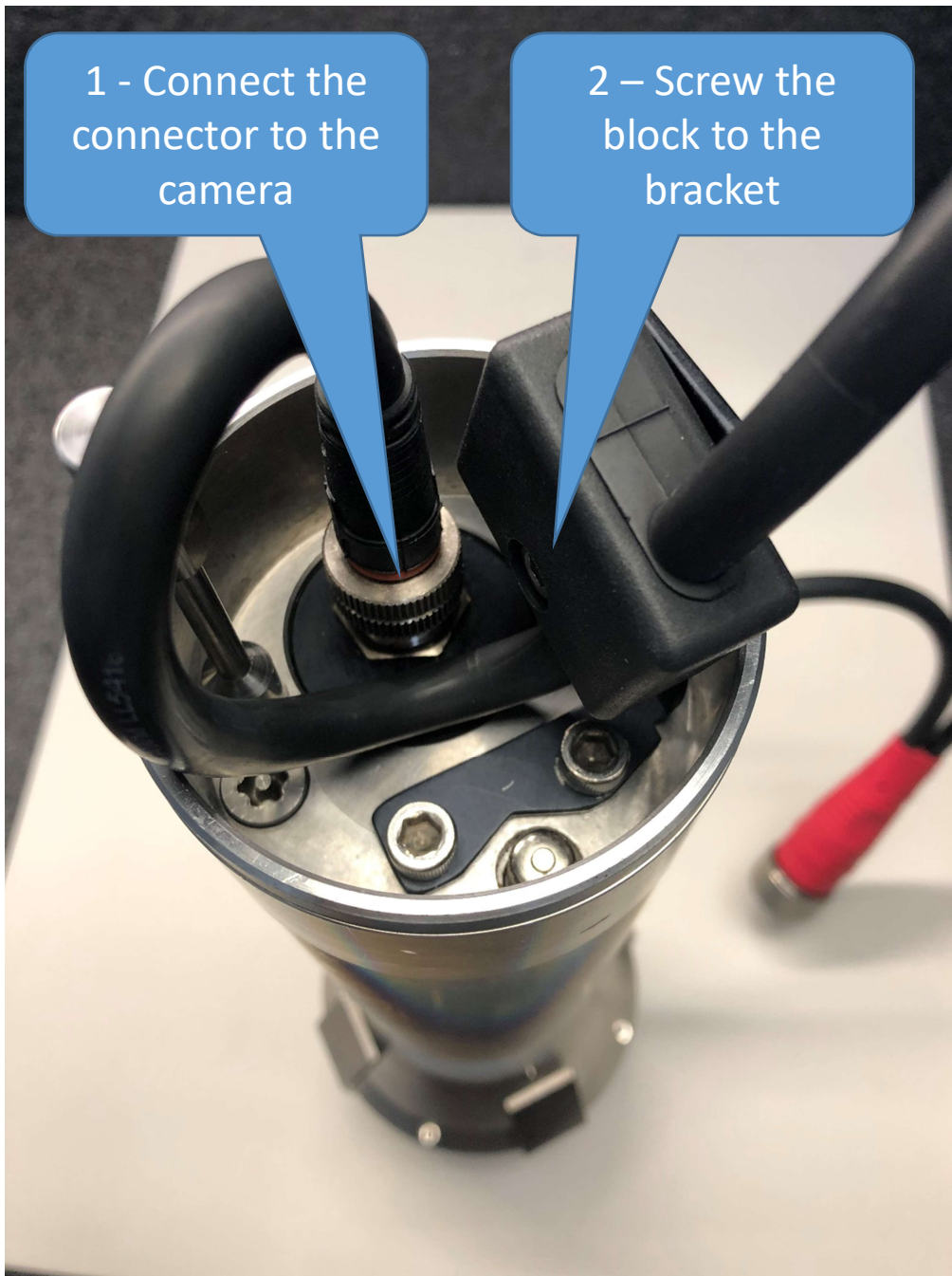


INSERT CAMERA INTO CRADLE.



ROUTE AS SHOWN AND CONNECT HD308-2 CABLE TO THE CAMERA

Section 3 - HD300-2 & HD380 Cable HD342-2 Installation Instructions



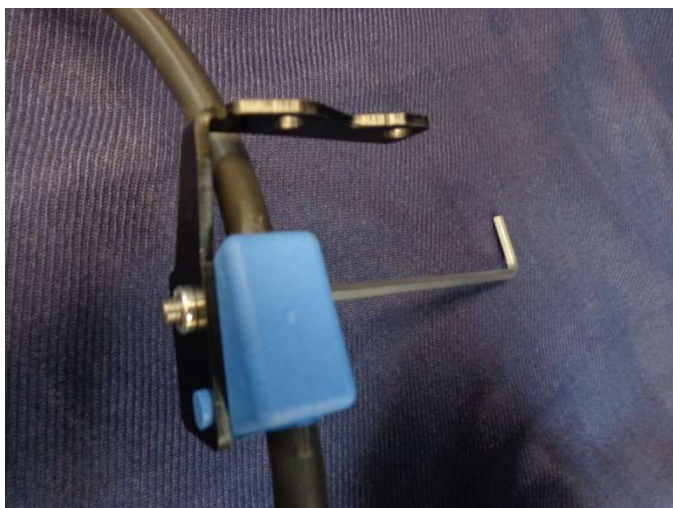
Follow the same instructions shown on the previous pages to install the camera onto the transporter with the exception of how the cable (HD342-2) is attached. First connect the connector to the camera, then screw the strain relief block to the mounting bracket.

Section 4 - HD380 Cable HD356-2 Installation Instructions

INSTALL
CONNECTOR
FIRST



INSTALL
BLOCK
SECOND



REMOVE BRACKET, HD047, FROM THE CAMERA, IF INSTALLED, INSTALL CABLE SPLITTER, HD356-2, ON BRACKET USING SCREW, 100121. NOTE: BOSS ON SPLITTER MUST FIT INTO HOLE ON BRACKET.

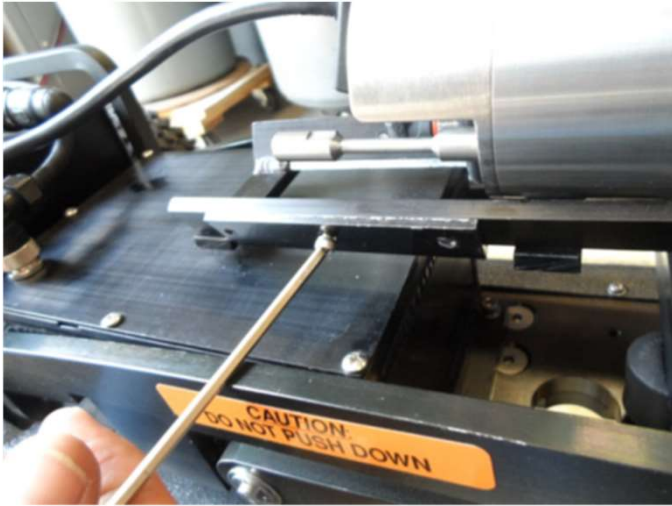


CONNECT BLUE END OF HD356-2 TO THE CAMERA MAKING SURE THE CONNECTOR IS SEATED ALL THE WAY.

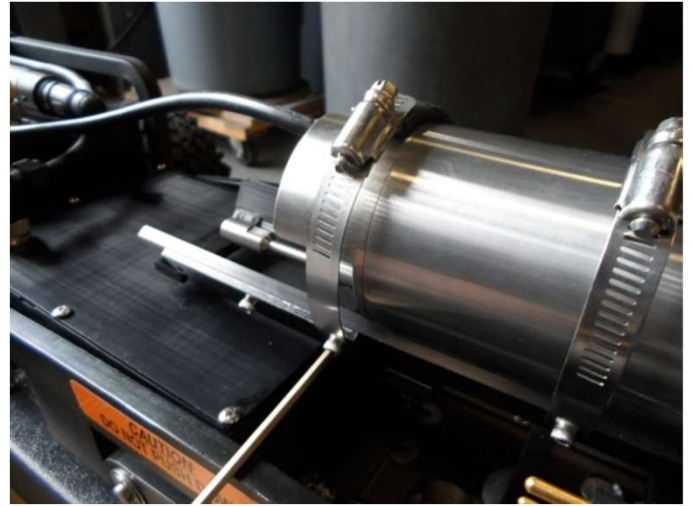


ROUTE AS SHOWN AND INSTALL BRACKET USING SCREWS, HW2353.

Section 5 – Installing the camera into the lift



REMOVE REAR CLAMP AND INSTALL BRACKETES (HD102), ONE ON EACH SIDE, USING SCREWS (100448).



RE-INSTALL CAMERA CLAMP ON BRACKET USING SCREW, REMOVED FROM CAMERA CLAMP. NOTE: LOCATION OF CAMERA CLAMP IS TOWARDS THE FRONT OF THE TRANSPORTER. LEAVE CLAMPS LOOSE FOR CAMERA ALIGNMENT.



SLIDE CAMERA UNTIL ITS SKIDS ARE VERTICALLY ALIGNED WITH FRONT OF TRANSPORTER FRAME.



VERIFY THAT THE CAMERA SKIDS ARE STILL VERTICALLY ALIGNED WITH THE TRANSPORTER FRAME AND THAT THE CAMERA IS INSTALLED UPRIGHT. USE THE INDENTED AREA AT THE REAR OF THE CAMERA AS A GUIDE. TIGHTEN BOTH CAMERA CLAMPS.