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1 ON 2 Video Head Instructions

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1 on 2 Video System Overview

The 1 on 2 Video System is a 2-way video system designed to allow one 2-way video head, to switch between the video signals of two remote 2-way video heads. The system, when used with the E.F. Bavis Audio Authority Video Heads, is powered by a single power pack that is connected to the 1 on 2 Video Head.

Wire connecting the 1 on 2 Video Head to each remote video head is a Cat5e cable for the video signal and camera control. There is a separate 16 gauge cable to power the remote video head. This cable is connected to the video heads using the Auxiliary Power Cable Connector.

If you have any questions regarding the installation of the product, contact E.F. Bavis and Associates, Inc. at 513-677-0500 or 800-937-3322, and ask for Audio Technical Support.

Power Requirements

The 1 on 2 Video System requires one 115 Vac, 1amp outlet that is within reach of the 8 foot cable of the power pack for the 1 on 2 Video Head. Contact E.F. Bavis if you need a longer cable.

Monitor Standby Modes Configuration

The screen image for each monitor, when in standby, can be set to either blank or to the image that the camera in that video head is viewing. This is configured by the position of the jumpers that are on the back of the Switcher Board located in the 1 on 2 Video Head.

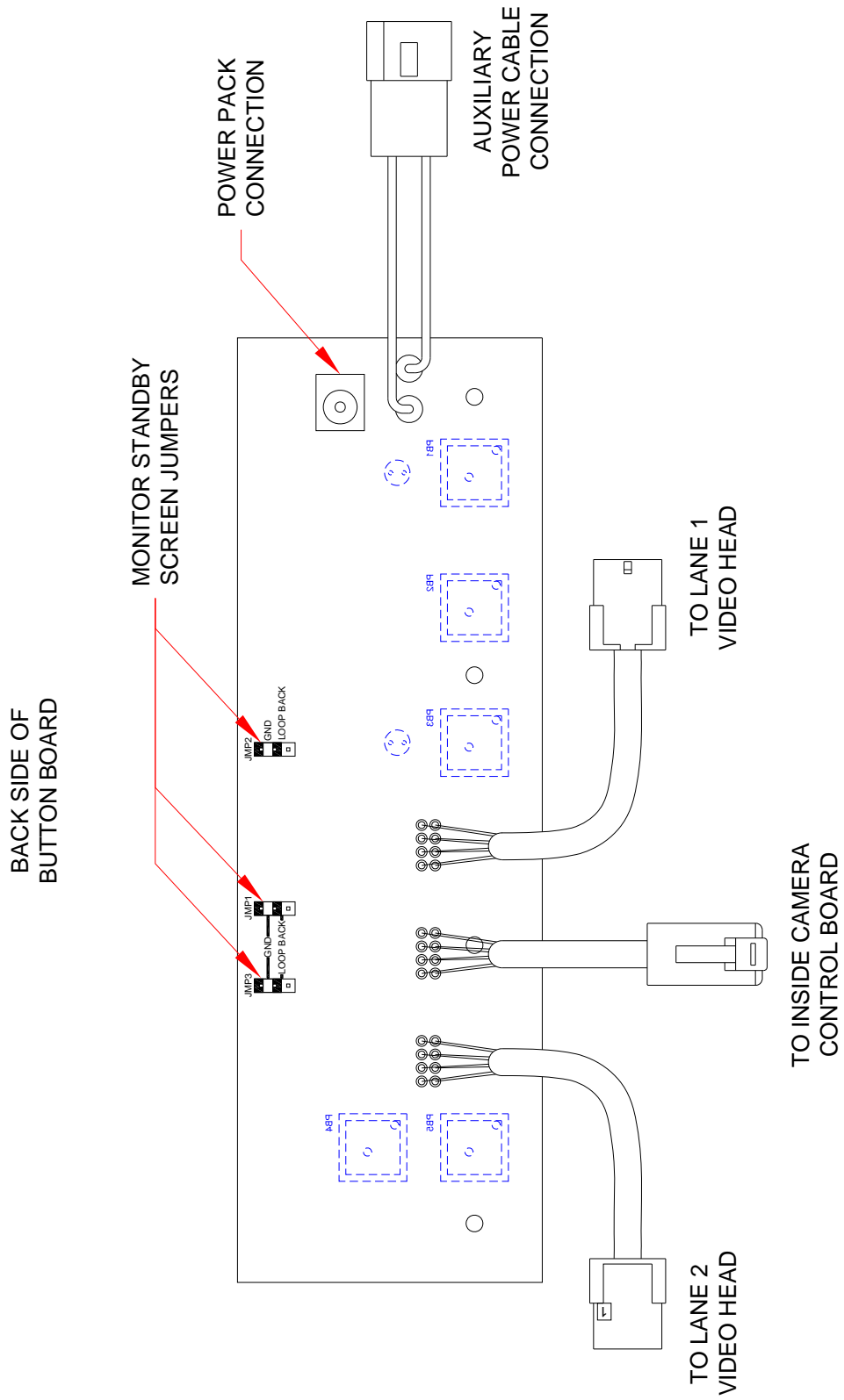
The 1 on 2 Video Head's monitor is controlled by JMP1, Lane 1 by JMP2, and Lane 2 by JMP3.

When the Shorting Connector is on the upper two pins (GND), that monitor will be blank when it is in Standby Mode. When the Shorting Connector is on the lower two pins (LOOP BACK), that monitor will loop the image of its camera back to its own monitor.

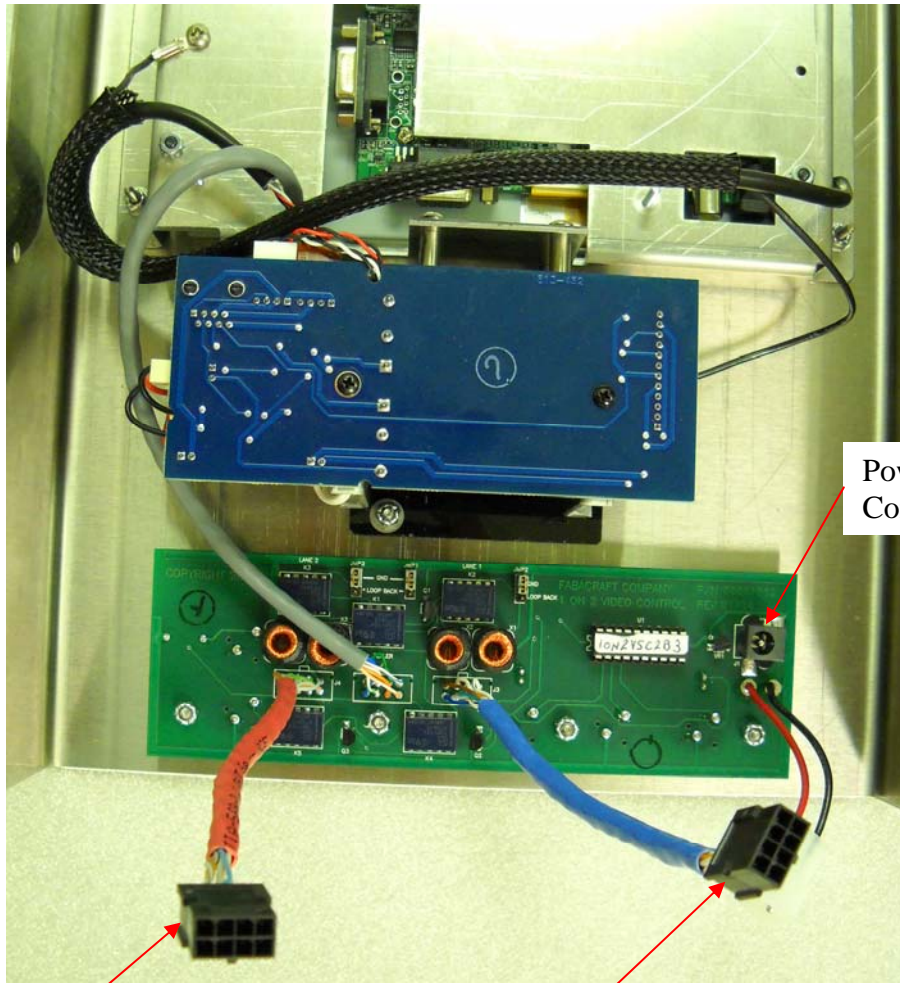
Inside Video Head Installation Instructions

1. Route the cables from the remote lane(s) to and through the mount for the Inside Video Head.
2. Remove the two sheet metal screws that secure the front cover assembly to the back cover and remove the back cover.
3. Feed the cord from the power pack and the Cat5e Cable(s) from the remote lane Video Head(s) through the large hole in the back cover.
4. Attach the back cover to the mounting brackets, and then to the Video Head mount.
5. Move the jumper for each monitor to the appropriate position to select whether the monitor will show a blank screen or “Loop Back” the view of its own camera to the monitor when that monitor is in “Standby” mode.
6. Connect the cord and cables to the appropriate connector on the back of the 2 on 1 Video Switcher Board.
7. Secure the cord and cables inside of the head with the wire tie provided.
8. Re-attach the front cover assembly to the back cover with the screws removed earlier.
9. Install remote Video Heads before applying power to the system.

1 On 2 INSIDE VIDEO CONNECTIONS



Inside Video Head Wiring Illustration

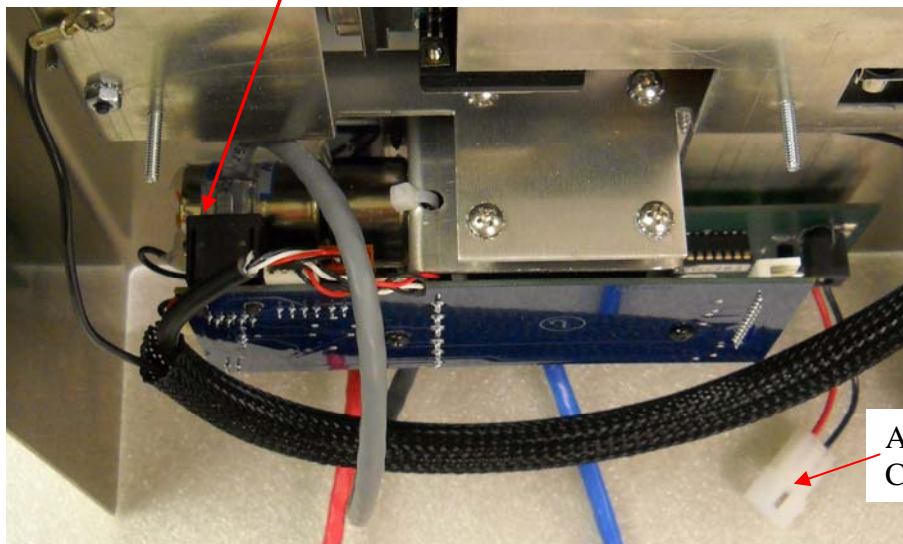


Power Pack Connection

Lane 2 Connection

Lane 1 Connection

Camera Board Connector



Auxiliary Power Cable Connection

Remote Lane Video Head Installation Instructions

NOTE: When installing or replacing the Video Head, you need to make sure the mount you are attaching it to will work with the Video Head. If they do not match, contact the factory for assistance. These instructions assume that the mount and wiring are already installed on the equipment.

1. Remove the 5 Phillips screws from the outer casing of the video head. There is one screw located on each side of the head and 3 located on the bottom.
2. Remove the setscrew collar from the mount using a **5/32"** Allen wrench.
3. Feed the wires through the mounting tube.
4. Feed the wires through the hole in the bottom of the Video Head face.
5. Feed the wires through the set screw collar removed in step 2 and gently secure the collar to the mount allowing the head to move on the mount.
6. Connect the wires to the cables inside of the video head, and secure with the wire tie mounted in the head.
7. Test the video.
8. Once the Video Head has been tested, locate the angle position for the head giving the best line of sight into the lane.
9. Tightly secure the setscrew collar.
10. Reassemble the outer casing.

After setting the video head in the correct position, drill (2) 3/16" holes through the case bottom and use the plastic breakaway screws and Keps nuts provided to hold the video head in place.

Outside Video Head Wiring Illustration

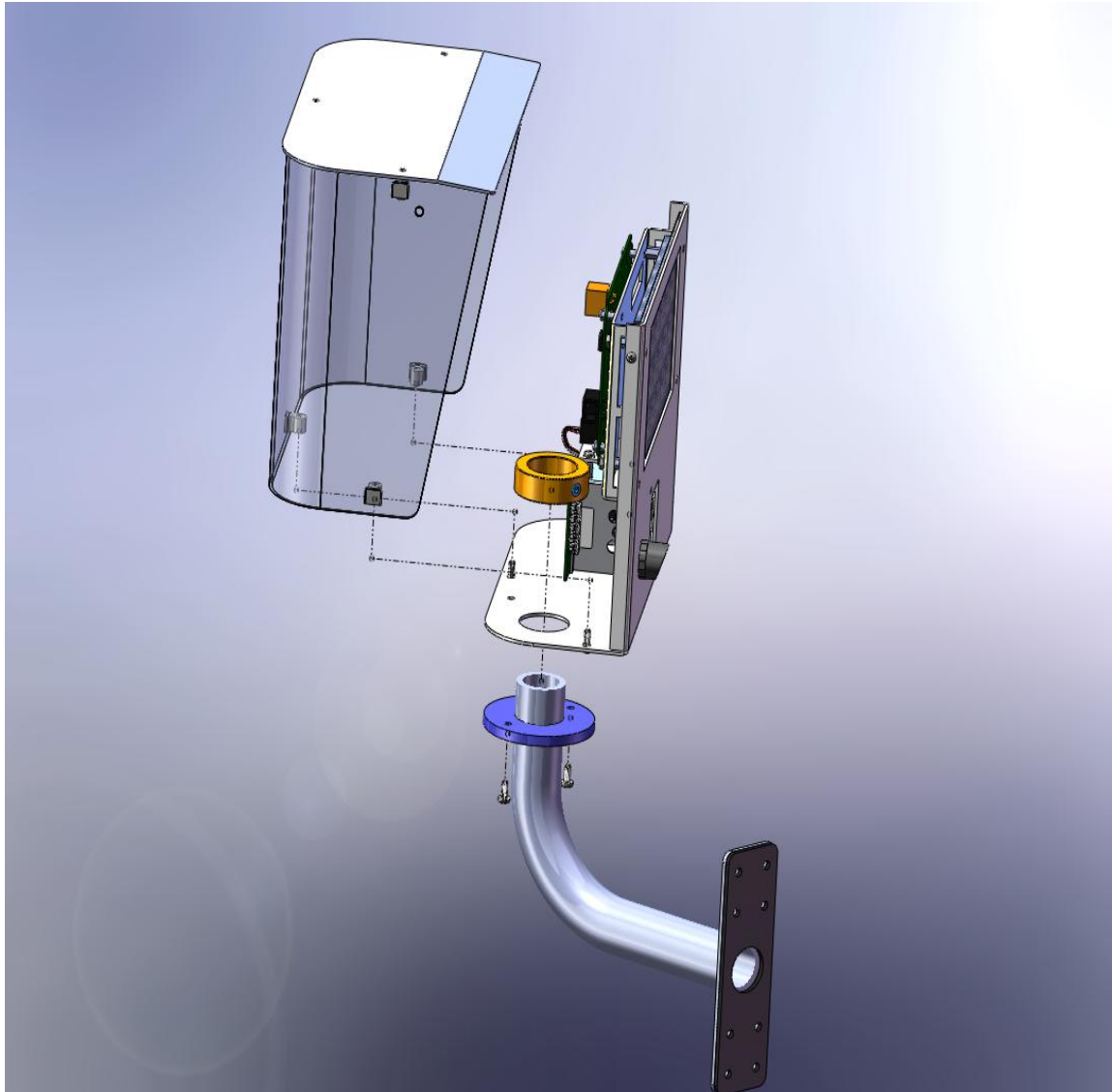


Camera Control Board Connection

Auxiliary Power Connection

Video Head Cat5 Connection

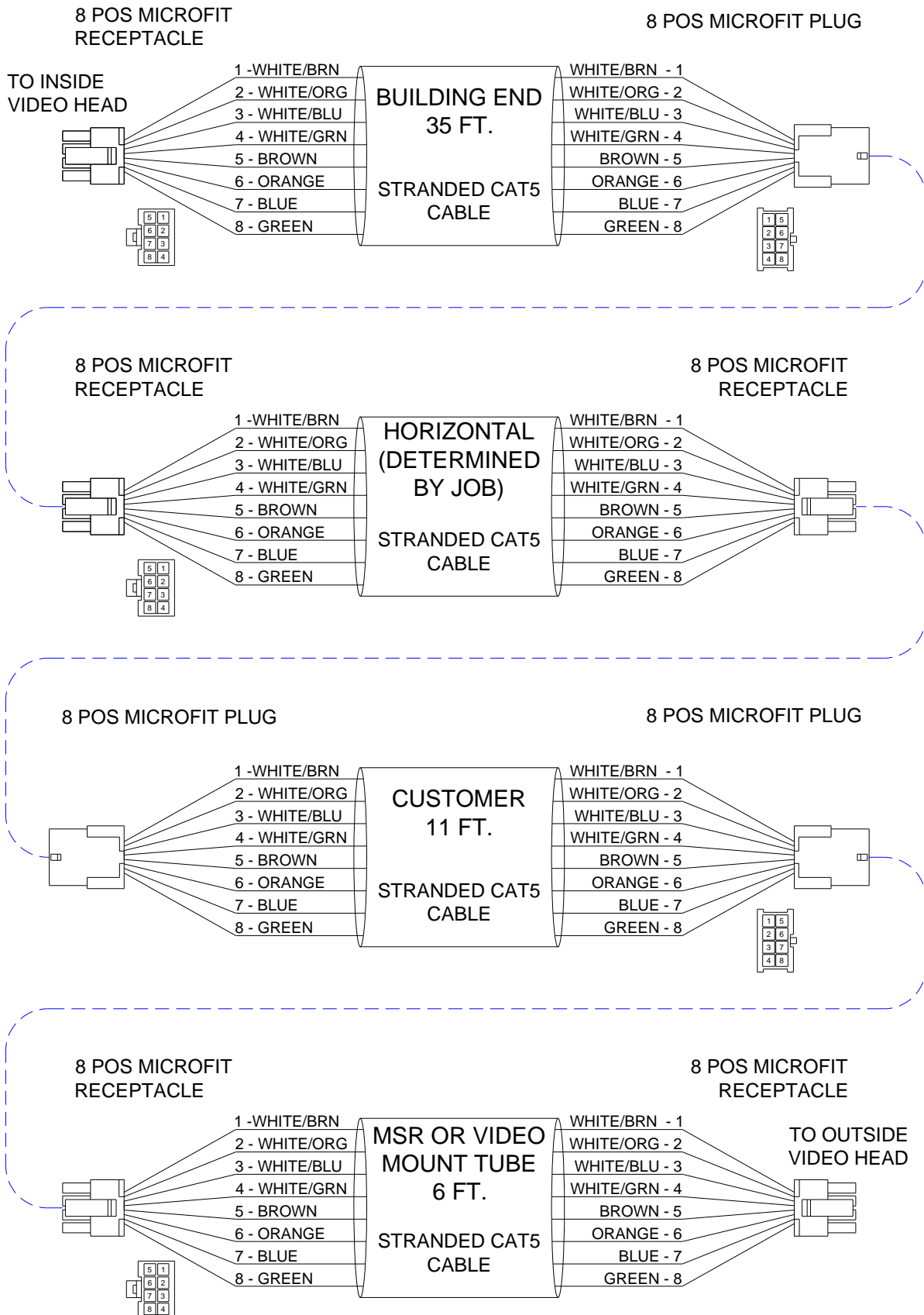
Outside Video Head Mounting Illustration



Attaching CC TransTrax Video Head Mount to Customer Tube

1. Remove the bottom two screws from the stabilizer that is opposite of the Customer control.
2. Temporarily attach the CC TT Video Mount to the stabilizer with the 10-32 x 1- 1/4" Phillips Pan head machine screws provided through the bottom holes of the mount making sure it is square and plumb.
3. Mark the other six holes of the mount onto the stabilizer, and then remove the mount.
4. Drill at each of the marks with the 3/16" bit only through the plastic stabilizer, stopping when you hit the aluminum tube.
5. With the 5/32" bit, drill through the holes in the stabilizer into the Aluminum tube being careful not to penetrate the tube too far and damage the internal wiring.
6. Thread each of the new holes with the 10-32 tap.
7. Using the gasket provided as a template, mark the center of the tube hole of the gasket and drill a 3/4" - 7/8" hole through the stabilizer and aluminum tube.
8. Attach gasket to CC TT Video Mount base.
9. Feed Cat5e Cable and Power Cable from CC TransTrax through Mount Tube.
10. Attach CC TT Video Mount to stabilizer.
11. Install Video Head per its instructions.

1 on 2 Video – Remote Lane Connecting Cables



1 On 2 OUTSIDE VIDEO HARNESS

