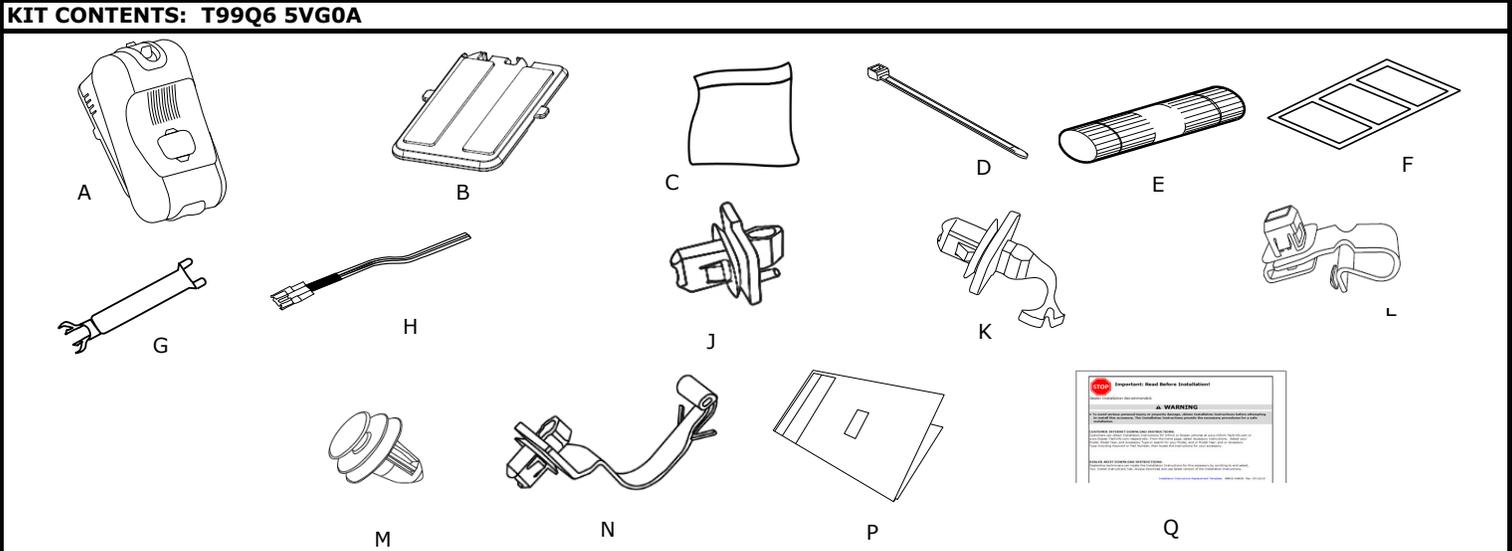
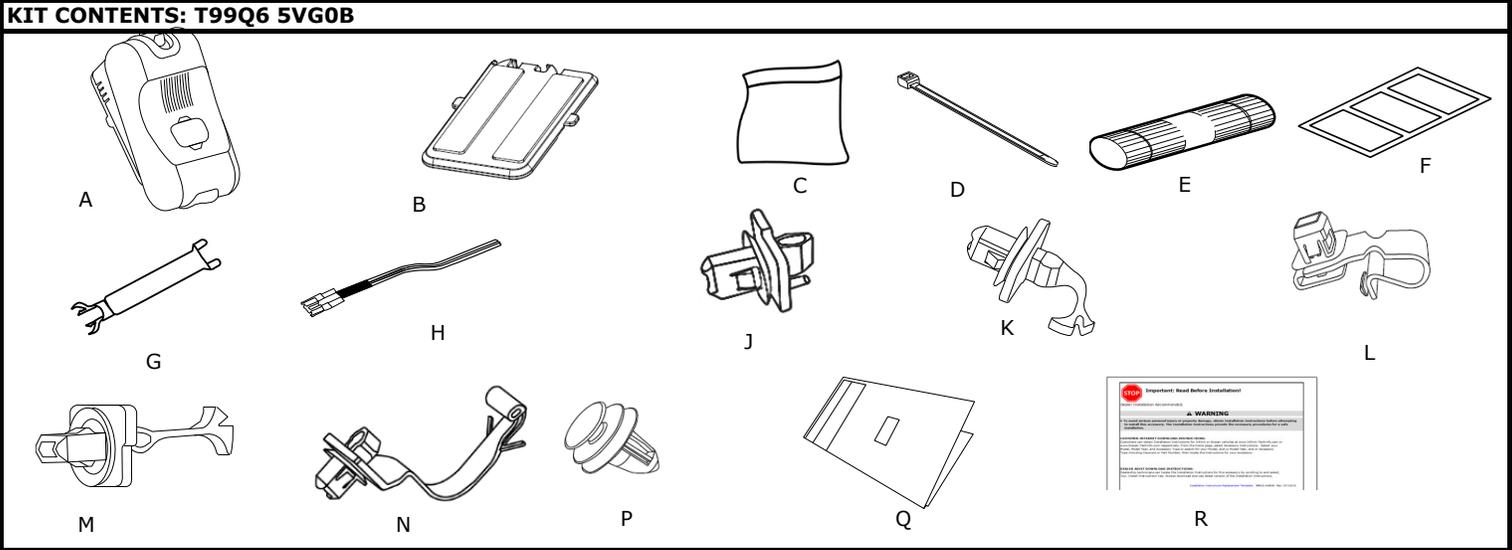




GENUINE PARTS

INSTALLATION INSTRUCTIONS

DESCRIPTION:	Drive Recorder Dual camera
APPLICATION:	Frontier
PART NUMBER(S) REQUIRED FOR INSTALLATION:	T99Q6 5VG0A or T99Q6 5VG0B - Drive Recorder - Dual Camera Kit T99F6 4RA0A , Accessory Service Connector - not included in kit above



ADDITIONAL SERVICE PARTS NOT INCLUDED IN KIT ABOVE :

Item	Qty.	Part Description	Service Part Number
AAA	1	Accessory Service Connector	T99F6 4RA0A



PART NUMBER(S) T99Q6 5VG0A or T99Q6 5VG0B - Drive Recorder - Dual Camera Kit
REQUIRED FOR
INSTALLATION: T99F6 4RA0A , Accessory Service Connector - not included in kit above

KIT CONTENTS:

Item	Qty.	Part Description	Service Part Number
A	1	Drive Recorder - Dual Camera Module	T98Q6 5VG0A
B		● Coupler	No Service Part Number Available as kit only Kit PN#T98Q6 5VG1B
C	1	Parts Kit	
D	12	● Cable Tie	
E	3	● Posi-Tap™ Connector	
F	9	● Foam Tape, black, 60 x 45mm	
G	1	● Wire Cover(small)	
H	1	● Harness Assembly- Ignition and Ground	
J	2	● Clip(A-pillar) (Pink)	
K	2	● Tether Clip(A-pillar)(Green)	
L	1	● Tether Clip(A-pillar)(Black)	
M	1	● Tether Clip(A-pillar)(Black)	
N	1	● Tether Clip(A-pillar)(Blue)	
P	1	● Clip(A-pillar)(White)	
Q	1	User Guide	
R	1	Installation Instruction website Address	

KIT CONTENTS:

Item	Qty.	Part Description	Service Part Number
A	1	Drive Recorder - Dual Camera Module	T98Q6 5VG0A
B		● Coupler	No Service Part Number Available as kit only Kit PN#T98Q6 5VG0A
C	1	Parts Kit	
D	12	● Cable Tie	
E	3	● Posi-Tap™ Connector	
F	9	● Foam Tape, black, 60 x 45mm	
G	1	● Wire Cover(small)	
H	1	● Harness Assembly- Ignition and Ground	
J	2	● Clip(A-pillar) (Pink)	
K	2	● Tether Clip(A-pillar)(Green)	
L	1	● Tether Clip(A-pillar)(Black)	
M	1	● Clip(A-pillar)(White)	
N	1	● Tether Clip(A-pillar)(Blue)	
P	1	User Guide	
Q	1	Installation Instruction website Address	

- TOOLS REQUIRED:**
- Flat head Screw Driver
 - Clean Rag
 - Masking tape
 - Nylon Trim Removal Tool
 - Fish Wire
 - Pliers
 - Electrical tape
 - Scissor

INSTALLATION CAUTIONS:

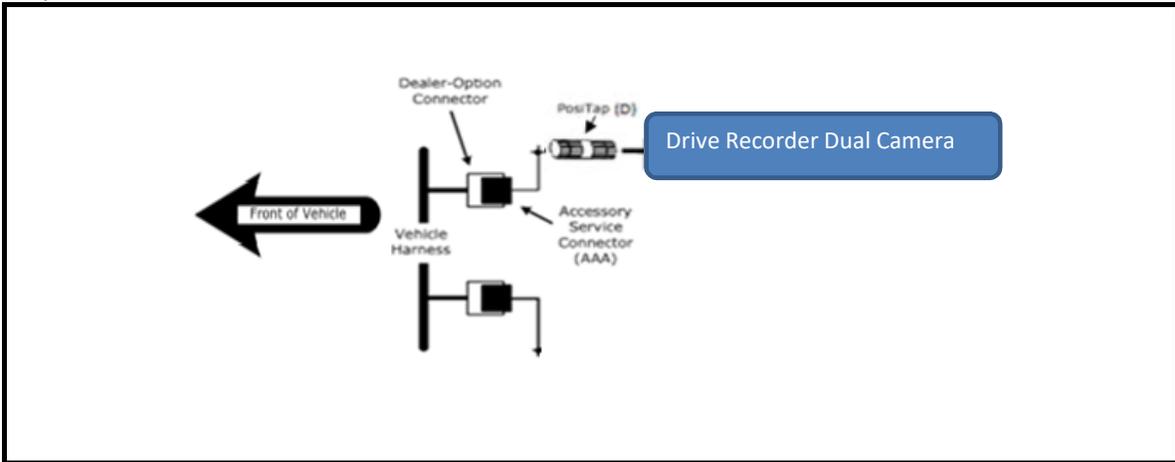


CAUTION

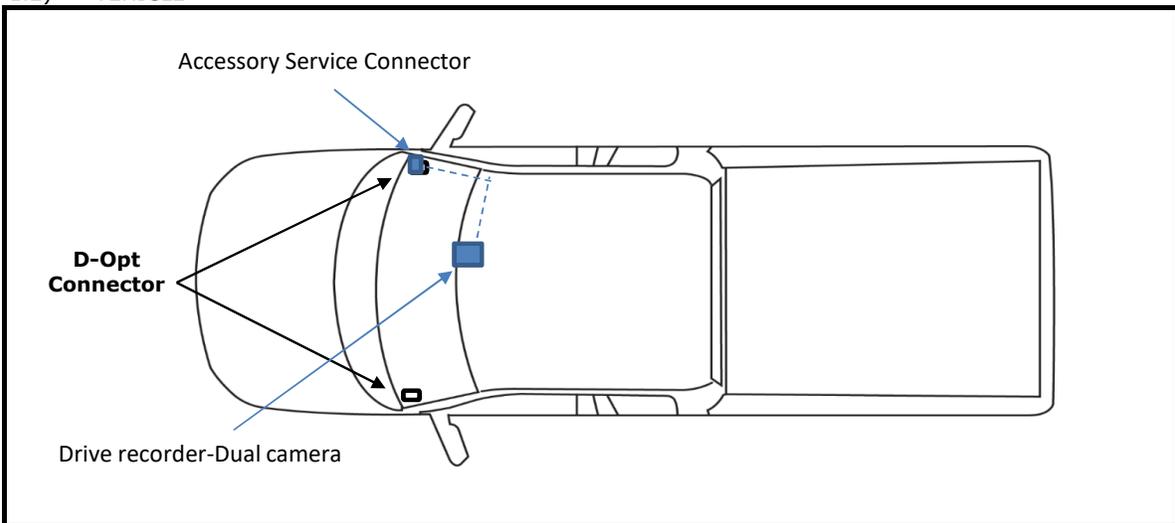
- Dealer installation recommended. Instructions may refer to Service Manual.
- Please read this instruction carefully before installing this product for correct installation.
- Please **DO NOT** use or install the part in ways other than what is described.
- Always use floor, seat and steering wheel protection.
- Parts utilizing adhesion as method of attachment are to be installed at surface temperature of 15-38° C
- Posi-Tap™ instructions must be specifically followed as described in Appendix A.
- Apply masking tape as needed to protect areas that may be scratched or damaged by tools.
- Always remove vehicle parts in the sequence directed. Improper procedure can damage parts.
- Take care not to scratch or damage any component during the removal or re-installation process.
- Trim pieces found to have witness marks or broken clips **ARE NOT** to be reinstalled.
- Store removed parts in a safe manner.
- If a problem occurs during installation, please contact Nissan dealer where you purchased the product.

SECTION 1 - OVERVIEW

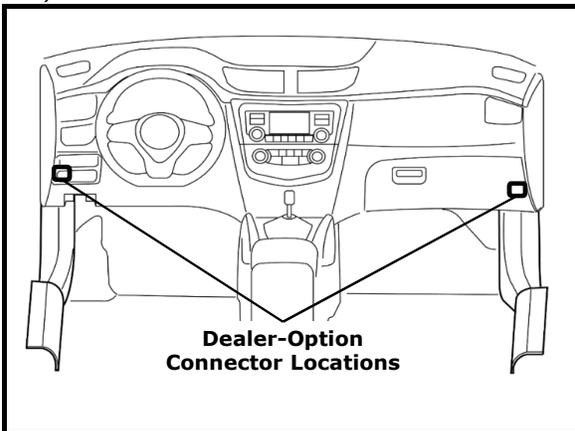
1.1) SYSTEM



1.2) VEHICLE



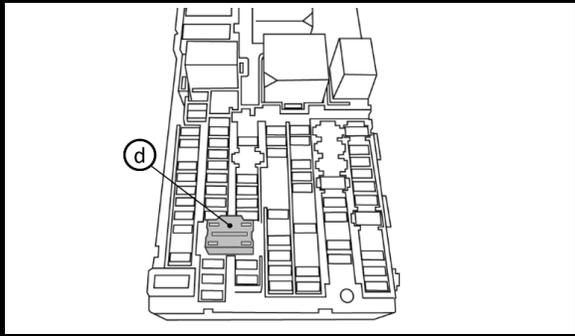
1.3) D-OPT CONNECTOR LOCATION



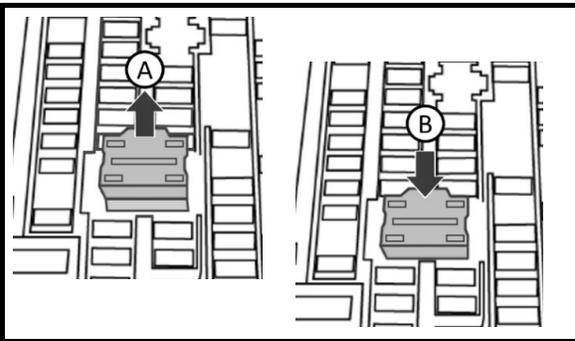
SECTION 2 - VEHICLE PREPARATION

CAUTION

- Always confirm the ignition is in the "OFF" position before changing the E.S.S. position.
- If E.S.S. is not in Customer Mode, there will be a loss of normal vehicle operation, preventing accessory function check.



- 2.1) Check Extended Storage Switch Position
- Put shift lever in "P" position for A/T and CVT or "1st" for M/T .
 - Apply park brake.
 - Place ignition in "OFF" mode.
 - Locate Extended Storage Switch in cabin fuse block as shown.
 - Confirm Extended Storage Switch is in "Customer" (In/Engaged) position.
 - If ESS is not In/Engaged, then proceed to step 2.2 .



- 2.2) Changing ESS Position
- To disengage Customer Mode, pull out in **A** direction as shown.
 - To engage Customer Mode, press in **B** direction as shown.

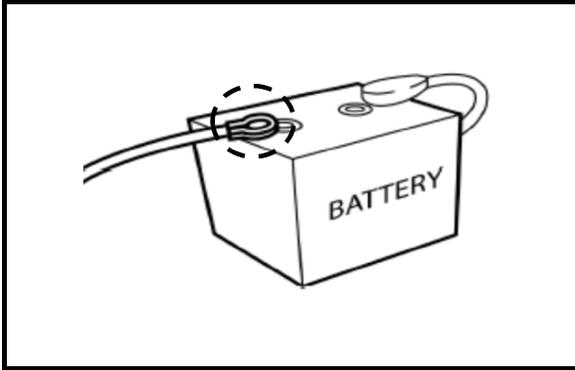
Condition	Switch Position	Note
Vehicle is delivered to the dealer	Transit (OUT)	
Vehicle is being stored at the dealer	Transit (OUT)	
Vehicle is delivered to customer	Customer (IN)	

- 2.3) Record Customer Presets
- Place ignition in "ON" mode.
 - Record the customer radio presets and other presets as required.

Preset	1	2	3	4	5	6	7	8	9	10

- Place ignition in "OFF" mode.

SECTION 2 - VEHICLE PREPARATION



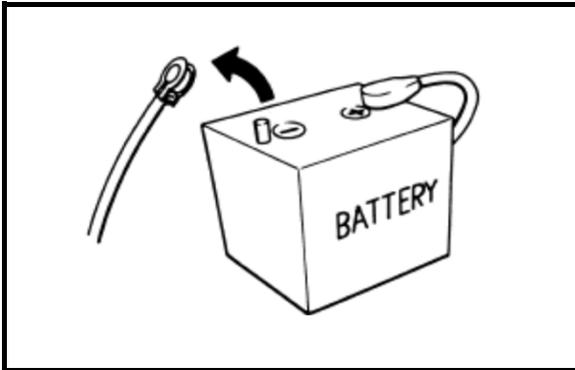
- 2.4) Disconnect battery terminal
- Open vehicle hood.
 - Locate negative battery terminal.
 - Loosen nut with 10mm socket.

Battery Terminal Nut



⚠ CAUTION

- Allow 3 min after key off with doors closed for vehicle power to time out.

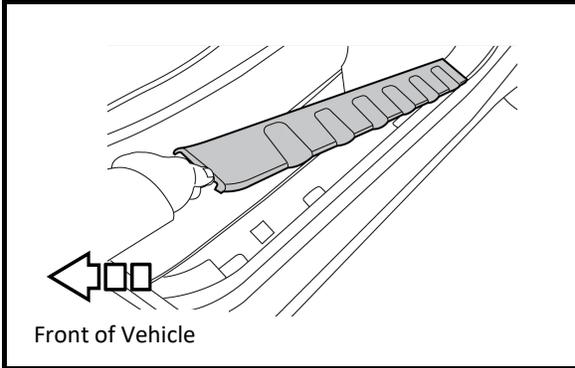


- 2.5) Disconnect battery terminal
- Lift negative battery terminal off stud.
 - Isolate negative battery terminal.

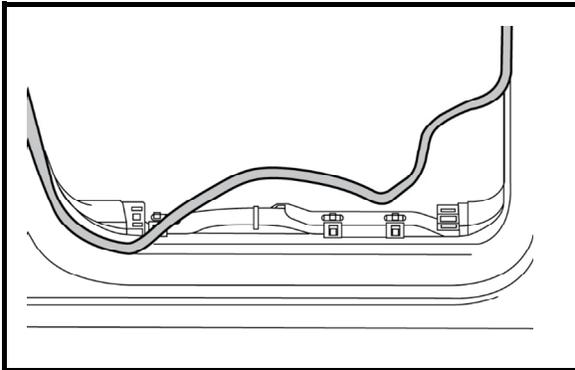
⚠ CAUTION

- Allow 3 min after negative terminal disconnect before separating any electrical connectors.

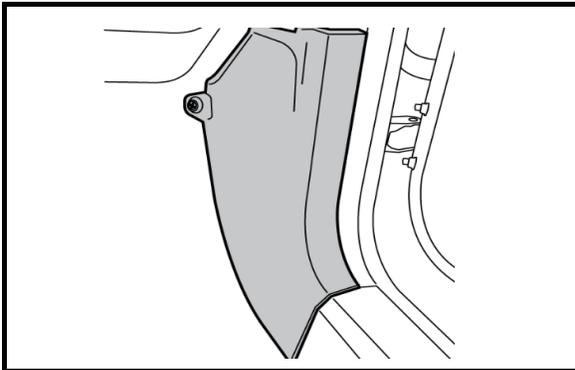
SECTION 3 - TRIM REMOVAL



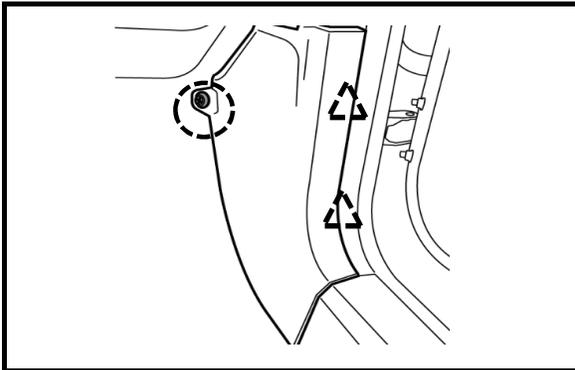
- 3.1) Remove RH trim
- a) Locate RH inner sill plate assembly.
 - b) Place fingers at clip which is located at inner rear and front end and pull out with a slight rotating motion until clip is popped loose, then pull up to remove door sill trim panel.



- 3.2) Remove RH trim
- a) Remove door sill weatherstrip along area as shown.



- 3.3) Remove RH trim
- a) Locate RH lower kick trim.



- 3.4) Remove nut
- a) Remove trim fastener from lower kick trim by unscrewing with hand.

Trim Fastener



- b) Disengage and remove lower kick trim clip by pulling toward interior of vehicle as shown.

Clip

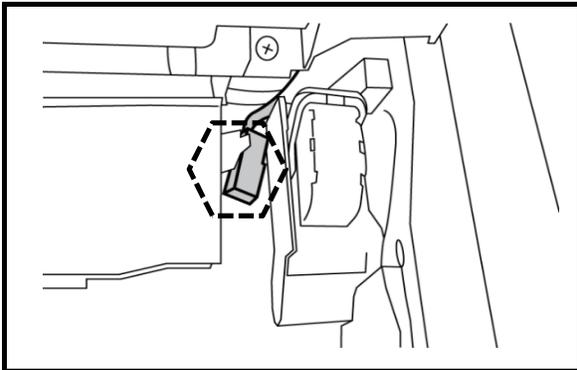


SECTION 3 - TRIM REMOVAL



- 3.5) Locate RH D-Opt connector
a) Locate Dealer-Option connector taped to main harness bundle.

D-Opt Connector

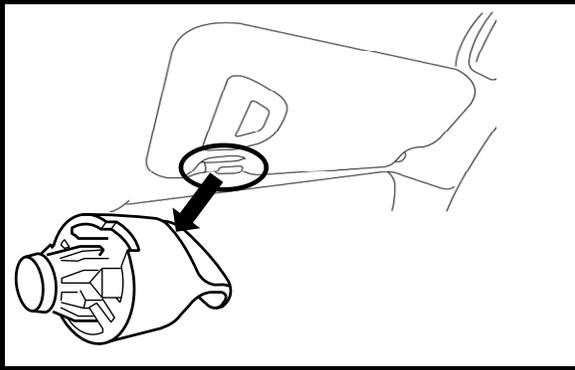


- 3.6) Locate RH D-Opt connector
a) Carefully tear or cut tape to free Dealer Option connector.
b) Unfold Dealer-Option connector and let hang as shown.

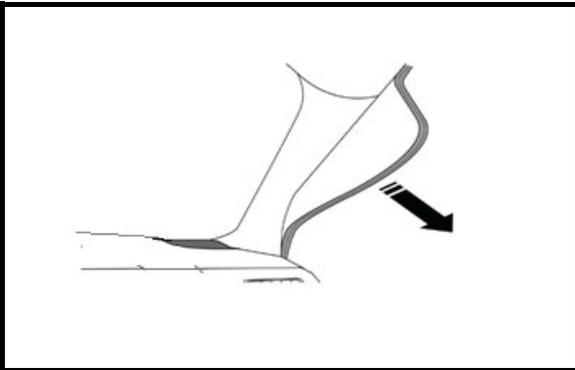
D-Opt Connector



SECTION 3 - TRIM REMOVAL



- 3.7) Remove Sun Visor Clip
a) Rotate sun visor clip counterclockwise and remove.



- 3.8) Remove RH weather strip.
a) Using a panel removal tool, loosen driver side weather strip and remove from top of the A-pillar to instrument panel.



- 3.9) Remove RH A-pillar Trim
a) Using panel removal tool, carefully open covers on driver side handle to expose 2 10mm bolts.

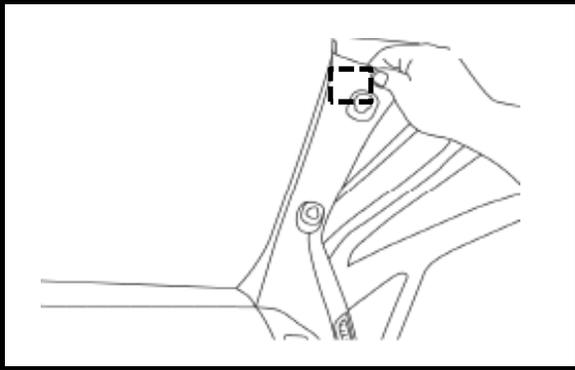
CAUTION

Exercise caution when removing and installing RH front pillar garnish due to side airbag placement.

10mm Bolt

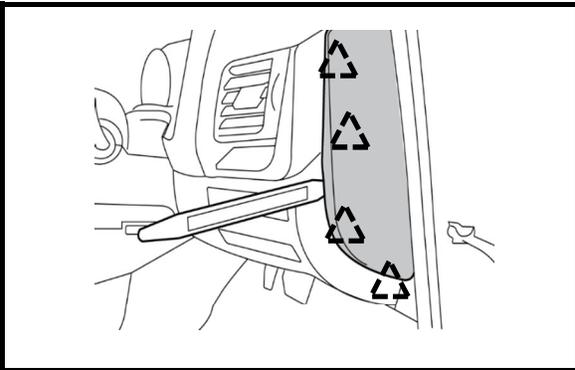


SECTION 3 - TRIM REMOVAL



- 3.10) Remove RH A-Pillar Trim
a) Starting from top, remove A-pillar trim. If equipped.

Trim Clip

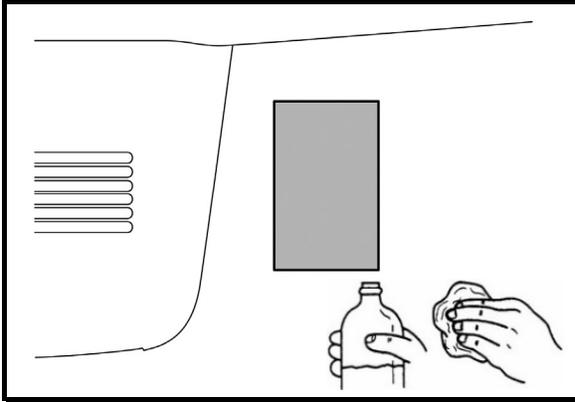


- 3.11) Remove RH trim
a) Remove IP end trim using trim removal tool.

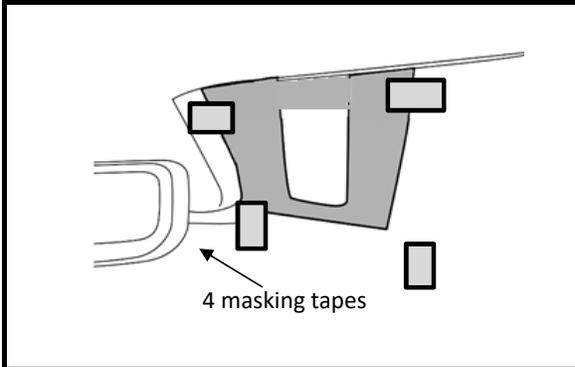
Pawl



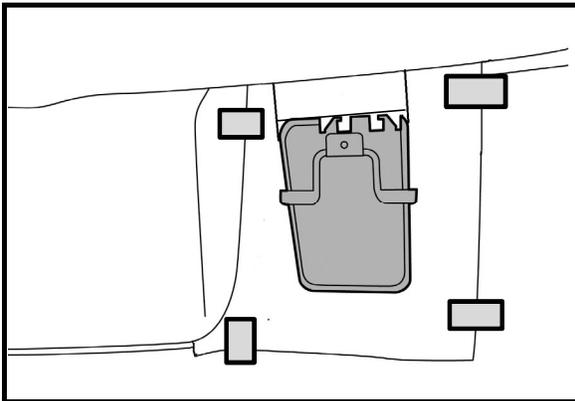
SECTION 4 - INSTALLATION PROCEDURE



- 4.1) Install Drive recorder Template
- Wipe area clean of any dirt.
 - Wipe using alcohol/water solution on a soft non-linting cloth.
 - Let dry for 30 seconds.



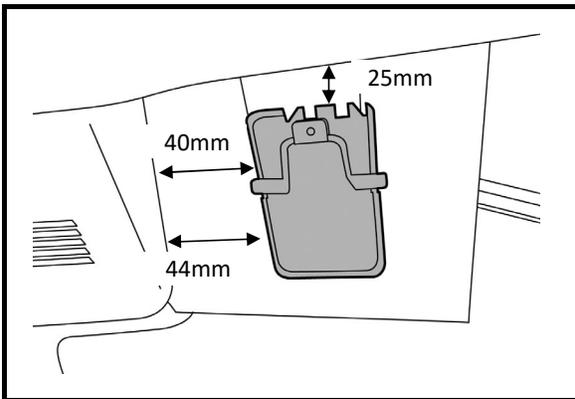
- 4.2) Install location template
- Using scissors, cut out Drive recorder template from appendix C.
 - Line up with FR camera trim edges.



- 4.3) Install Drive recorder coupler
- Partially peel away the adhesive liner and align coupler (B) with template.
 - While lightly pressing down on coupler, peel down tape liner completely away.
 - Apply 15lbs. of pressure for 30 Sec. along the coupler to adhere tape to windshield properly.

CAUTION

Use caution when applying pressure as windshield may crack/damage.

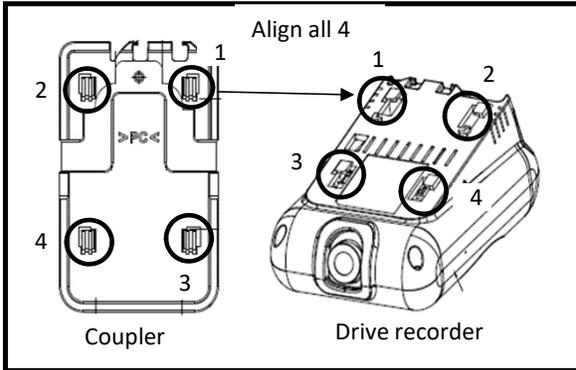


- 4.4) Install Drive recorder Template
- To verify drive recorder coupler placement, measure all 3 distance as specified in the picture.

CAUTION

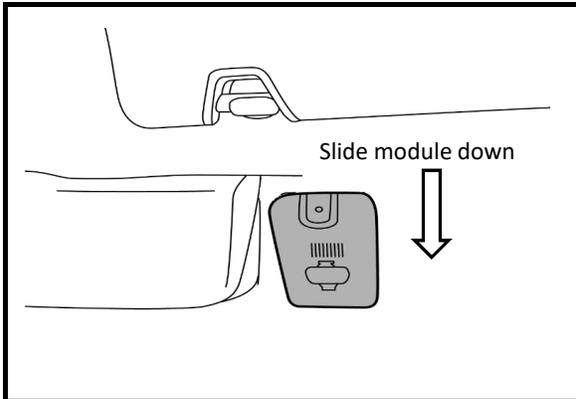
Confirm coupler is aligned straight in view from FR passenger seat

SECTION 4 - INSTALLATION PROCEDURE



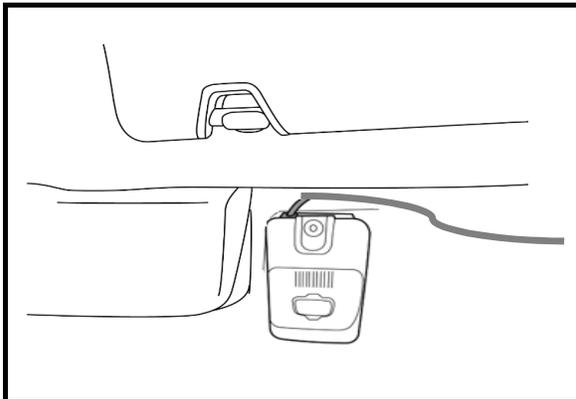
4.5) Install Drive recorder

- a) Align 4 tabs on coupler with 4 holes on drive recorder module(A) as specified in picture.



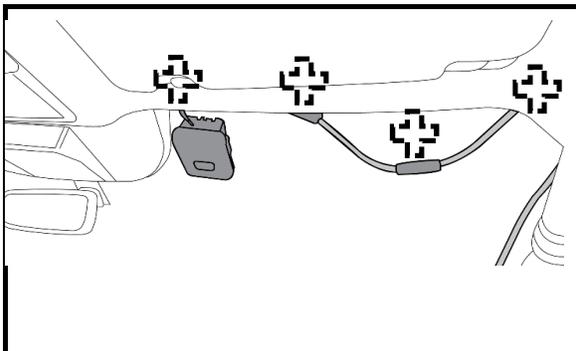
4.6) Install Drive recorder coupler

- a) Slide Drive recorder module (A) on installed coupler by sliding from top to bottom of coupler, until "click" is heard.



4.7) Install Drive recorder harness

- a) Plug harness(H) connector into top of the drive recorder, pressing firmly until a "click" is heard. Pull GENTLY on harness to confirm harness is seated completely.



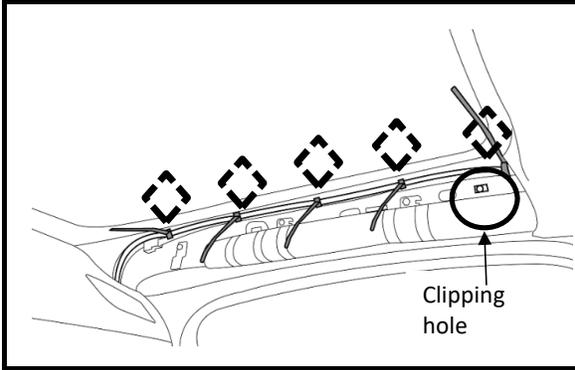
4.8) Install Drive recorder harness

- a) Wrap four pieces of foam tape(F) around harness, evenly spaced along headliner as shown.
- b) Using a panel removal tool, tuck wire harness between headliner and roof.

Foam Tape (F)



SECTION 4 - INSTALLATION PROCEDURE



4.9) Install Drive recorder Harness

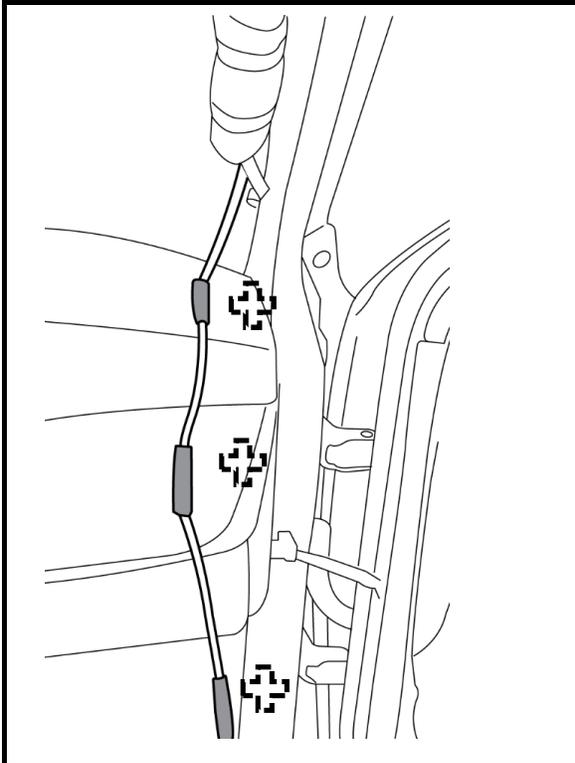
- a) Route harness down RH side A-pillar and secure to existing vehicle harness with 5 cable ties.

Cable Tie (D)



CAUTION

- Do not use cable tie with airbag and drain tube.
- Ensure harness is clear from clipping hole.



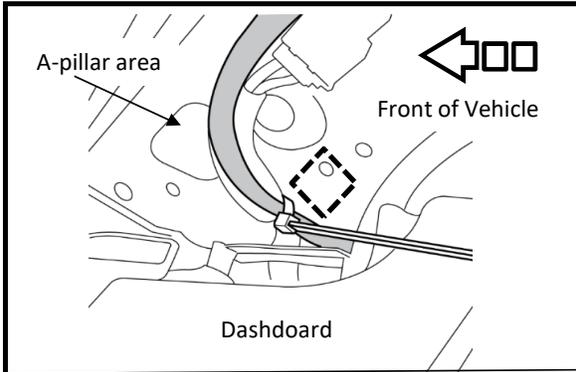
4.10) Install drive recorder harness

- a) Wrap 3 piece of foam tape around harness and feed harness through top of dash near A-pillar.
- b) Feed harness from upper dash to lower driver kick panel area.

Foam Tape (F)

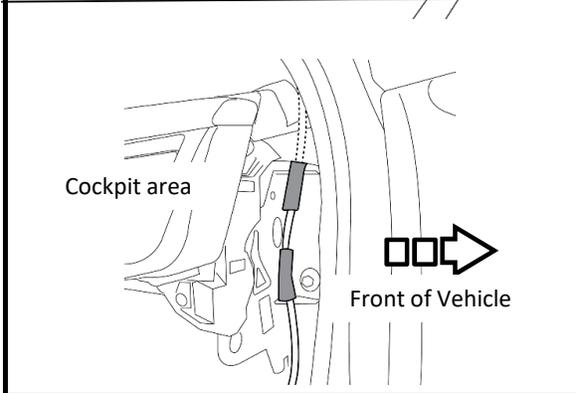


SECTION 4 - INSTALLATION PROCEDURE

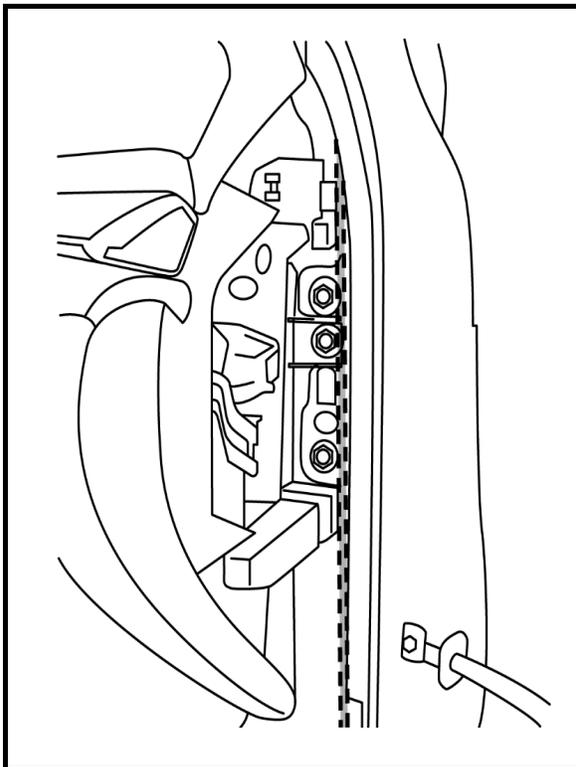


- 4.11) Install Drive recorder Harness
a) Secure harness with factory harness behind RH A-pillar and feed harness down.

Cable Tie (C)

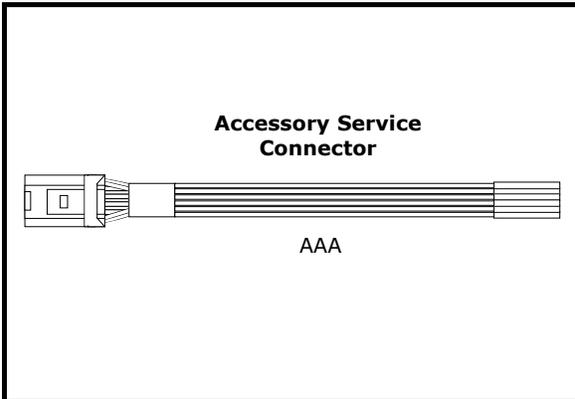


- 4.12) Install drive recorder harness
a) Secure harness behind the open space in cockpit area.

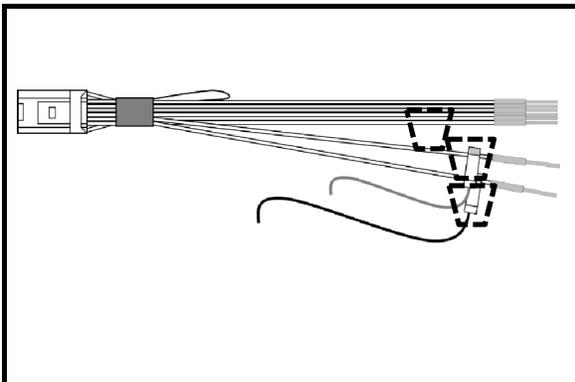


! CAUTION

The Accessory Service Connector (AAA) is for use only with Genuine Nissan or Nissan-Approved accessories. Nissan/Infiniti is not liable for loss or damage due to improper installation or installation of non-Genuine or non-Approved accessories.

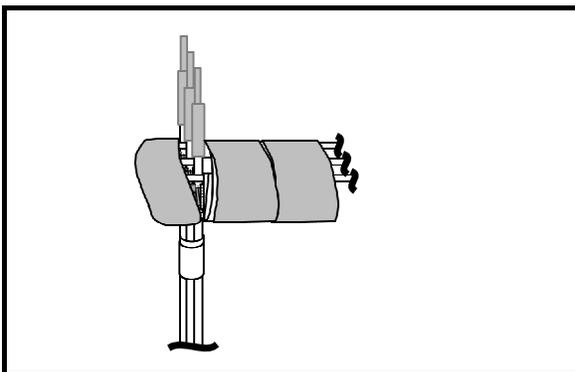


- 5.1) Connect ASC (AAA) to Drive recorder
 - a) For detailed directions, see Appendix A - Posi-Tap Procedure.
 - b) Additional circuit information is in Appendix B - Mechanization Drawing.



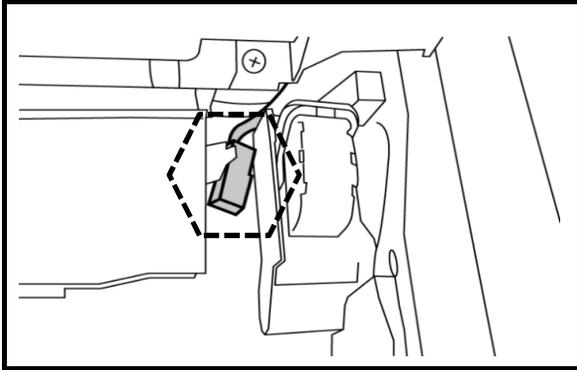
- 5.2) Connect ASC (AAA) to Drive recorder
 - a) Using a Posi-Tap (E), connect BLACK Drive recorder lead wire to "GND" (BLACK wire) of the ASC (AAA) as shown.
 - b) Using a Posi-Tap (E), connect RED Drive recorder lead wire to "BATTERY" (RED wire) of the ASC (AAA) as shown.
 - c) Using a Posi-Tap (E), connect GREEN Drive recorder lead wire to "IGN" (WHITE wire) of the ASC (AAA) as shown.

Posi Tap (E)



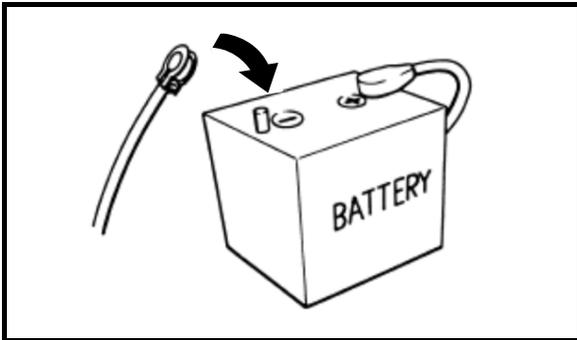
- 5.3) Connect ASC (AAA) to Drive recorder
 - a) Once the ASC is prepared as described in Appendix A, harness with ASC attached should look like this.

SECTION 5 - ASC CONNECTION & FUNCTION CHECK

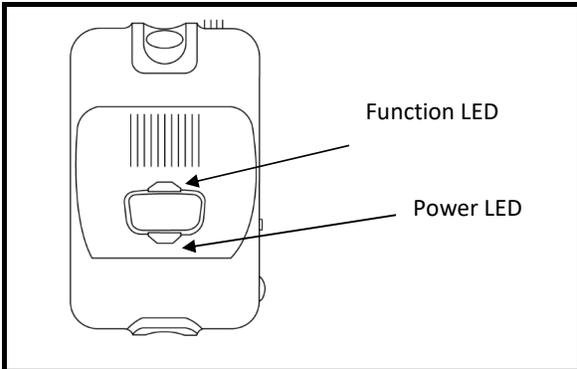


- 5.4) Connect ASC (AAA) to Drive recorder
a) Plug RH ASC into RH D-Opt connector.

D-Opt Connector



- 5.5) Electrical function check
a) Re-connect negative battery cable.
b) Turn IGNITION ON.



- 5.6) Electrical function check
a) Listen for "chime" of Drive recorder.
b) Confirm Power LED is blinking RED continuously and BLUE LED is solid.



CAUTION

Drive recorder will start recording audio and video once power is applied to module

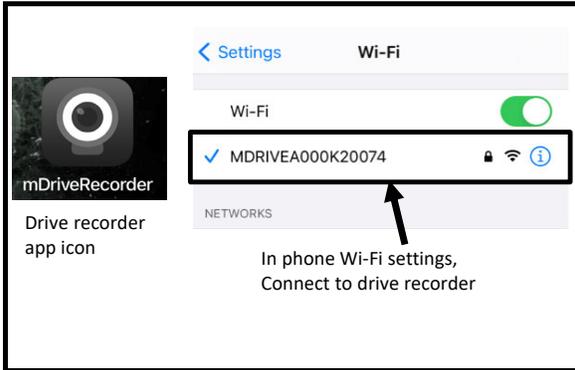
- 5.7) Electrical function check
a) If NG, Check harness routing, connections and Drive recorder Module to identify rootcause.



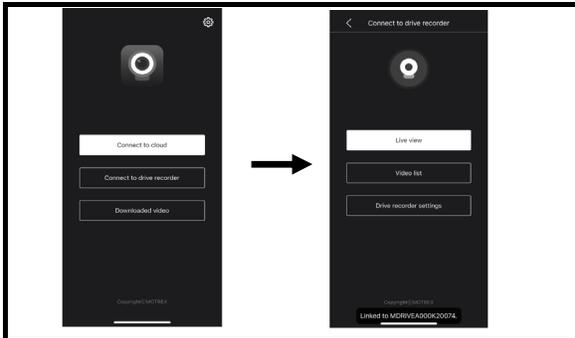
CAUTION

When diagnosing electrical system problems, first disconnect the accessory connectors and note effect on vehicle system. Continue the investigation with the accessory connector disconnected. Reconnect when the investigation is complete.

SECTION 5 - ASC CONNECTION & FUNCTION CHECK



- 5.8) Install app to verify camera function
- Search for "mDriveRecorder" smartphone app in Google Play Store or Apple App Store and install on your smartphone.
 - Turn Drive recorder module ON
 - In Wi-Fi settings of phone look for device name "MDRIVEXXXXXXXX" and connect. Default Password is 0123456789.



- 5.9) Verify Camera view and function
- Once Wi-Fi is connected, go in Drive recorder app select "Connect to drive Recorder" and then " Live view"

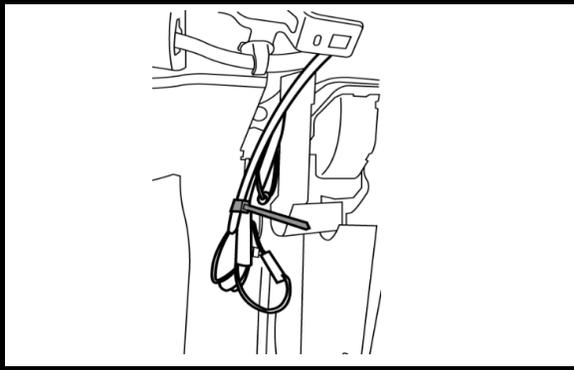


- 5.10) Verify Front Camera view and function
- View of Front camera will be displayed.
 - Confirm you see dash line with minimum interior(dashboard)



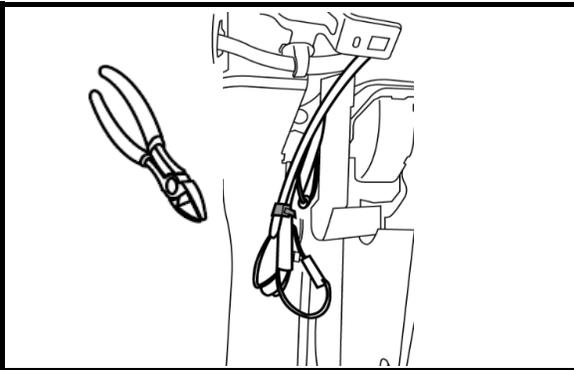
- 5.11) Verify In-Cabin camera view and function
- Tap on camera flip icon on top right corner to see In-cabin camera view.
 - Confirm you see whole rear glass window.

SECTION 6 - FINAL

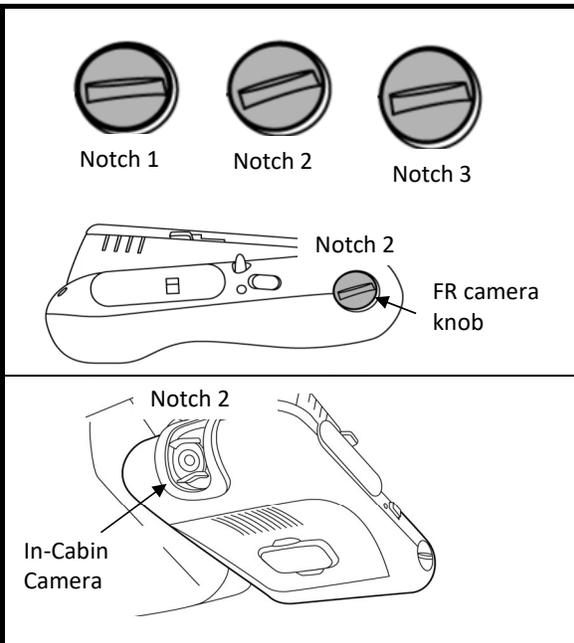


- 6.1) Secure Wire harness
- Bundle excess Mirror harness in loop in area shown.
 - Secure the bundle to existing harness with 2 Cable ties.

Cable Tie (D)



- 6.2) Secure Wire harness
- Cut excess length from all cable ties with wire cutting pliers.
 - Verify all wiring is secure.



- 6.3) Adjust front camera
- Confirm both In-Cabin camera and Front camera are set to Notch no. 2.
 - if required, Adjust front camera from FR camera knob using flat head screw driver.

- 6.4) Adjust In-cabin camera
- if required, Adjust in-cabin camera with hand Moving from bottom - up
 - In cabin Camera setting:
In cabin Camera all the way down - Notch 1
Move in-cabin camera up once - Notch 2

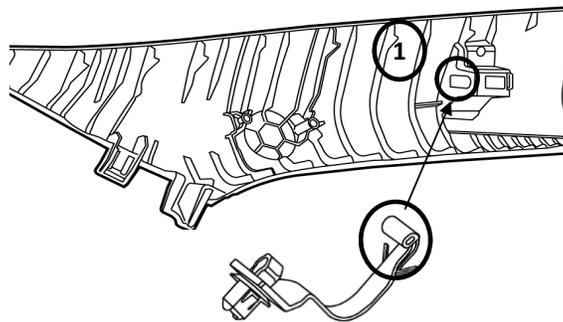
- 6.5) Re-install trim
- Re-Install interior trim that was removed in Section 3- Trim Removal.

! CAUTION

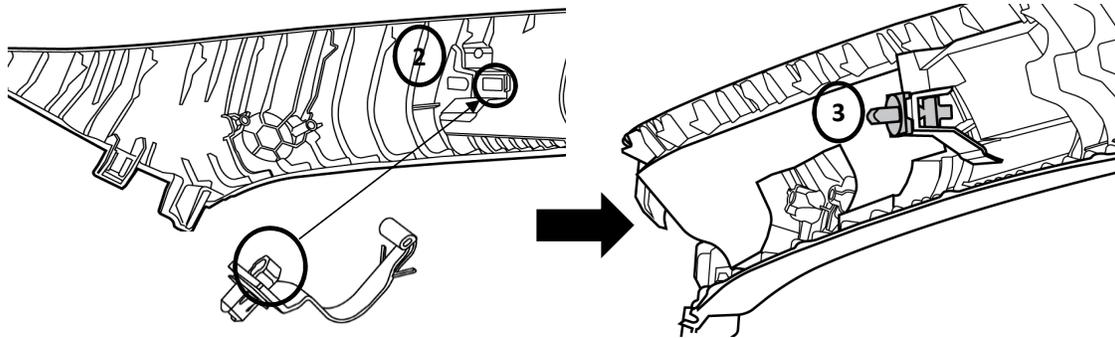
Take care not to scratch or damage any component during the removal or re-installation process. Trim pieces found to have witness marks or broken clips should be replaced with new parts.

6.6) Complete checklist:

- Tighten Negative battery terminal nut to 8 N-m (+/-1) [71 in-lbs (+/-9)] .
- Verify QRG (quick reference guide) is placed in glove box.
- Verify drive recorder have SD card.
- Verify re-installed trim parts for proper fit (no gap, waviness, etc.), particularly the door sill weather
- Insert new A-pillar clip into garnish hole as specified below.
 - a) Twist the clip 90 degree to insert in the garnish hole as shown. Twist clip back 90 degrees so it locks in the hole.

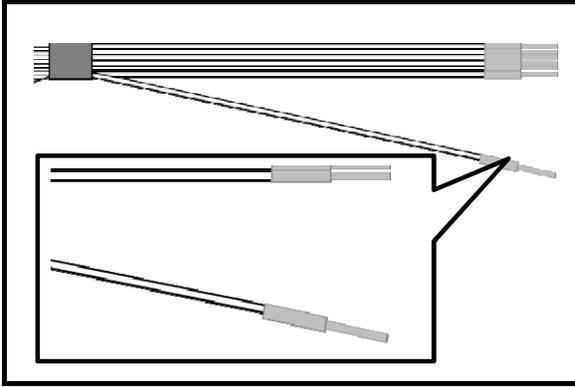


b) Push clip in the second hole and verify It is clipped properly as shown

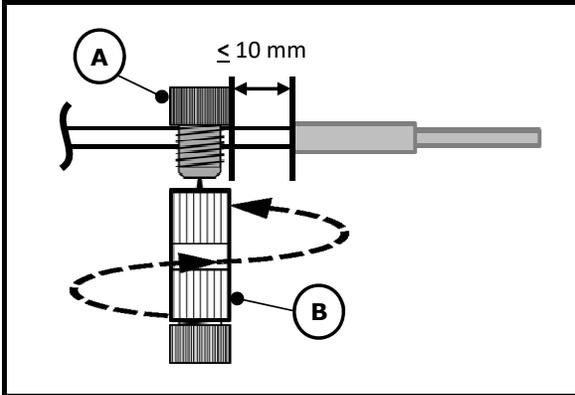


- Verify all windows and sunroof (if equipped), one touch operation and perform the reset procedure if necessary. Refer to the vehicle Service Manual for more details.
- If this vehicle will be returned to a dealer lot or showroom for an extended period of time, be sure the Extended Storage Switch is placed in the Transit position. See step 2.1 .
- Re-program radio presets and other vehicle settings to the recorded settings if necessary.
- Remove all tools, templates, and other debris from interior of vehicle.
- Verify vehicle headliner, seat, steering wheel, center console, carpet, etc. are not soiled.
- Verify interior and exterior are not damaged.

APPENDIX A - POSI-TAP PROCEDURE



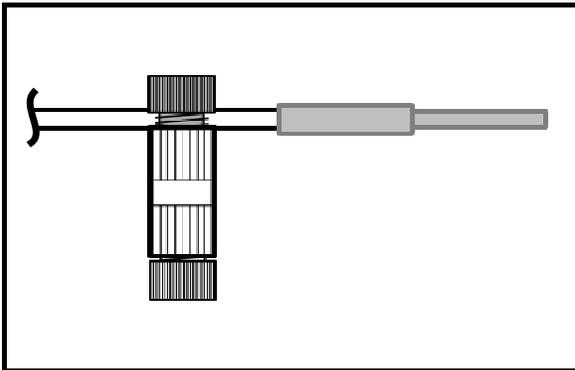
- A.1) Installing Posi-Tap™ on Accessory Service Connector (AAA)
- Identify and confirm ASC wire to be tapped. Check color as well as connector location.
 - Separate wire from rest of bundle.



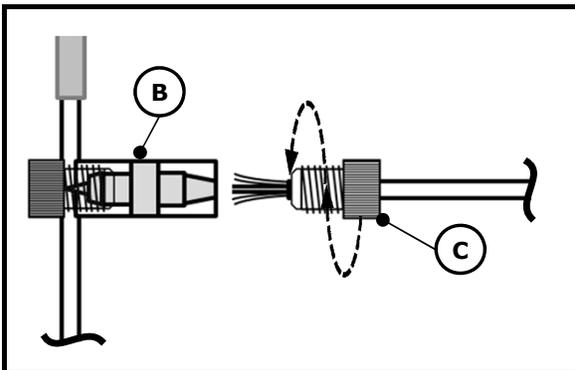
- A.2) Installing Posi-Tap™ on ASC (AAA)
- Remove pierce cap (A) gray side from tap
 - Slide cap around single wire to be tapped
 - Position cap ≤ 10 mm away from heat shrink end of connector
 - Turn tap (B) clockwise until finger "tight". Then secure to cap (A) with another $\frac{1}{4}$ turn.

⚠ CAUTION

Do not overtighten Posi-Tap, it may damage wire

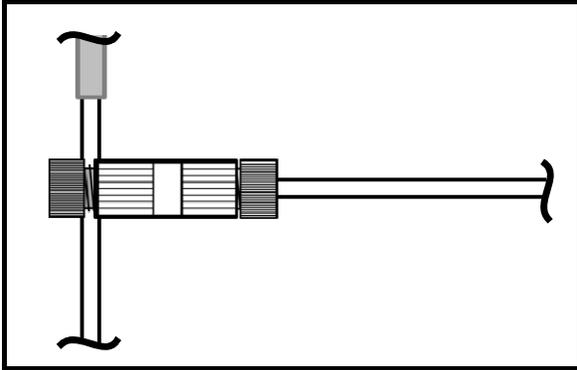


- A.3) Installing Posi-Tap™ on ASC (AAA)
- Inspect Posi-Tap™ to ensure correct installation.
 - Wire jacket should be crushed enough to maintain pressure.
 - Confirm tap cap gap is straight and evenly spaced around perimeter.

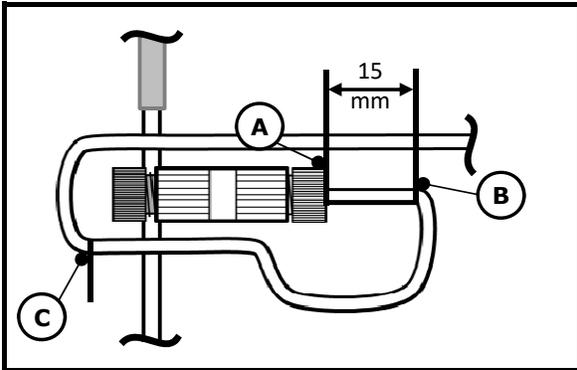


- A.4) Installing Accessory wire into Posi-Tap™
- Remove tap bottom (C) red side from tap body (B).
 - Remove the pre cut insulation from correct Accessory wire.
 - Insert wire through tap bottom (C)
 - Fan out individual wire strands as shown.
 - Insert wire into tap body until it bottoms
 - Turn tap bottom (C) clockwise until finger "tight". Then secure to tap body (B) with another $\frac{1}{4}$ turn.

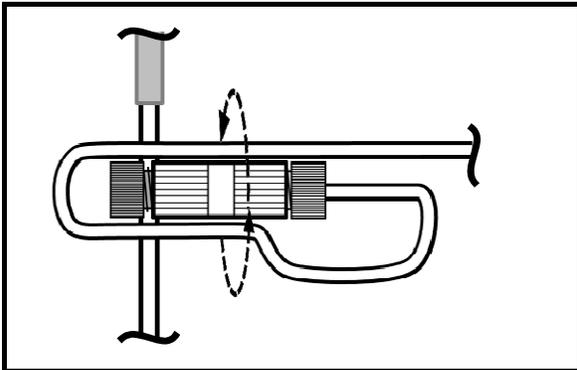
APPENDIX A - POSI-TAP PROCEDURE



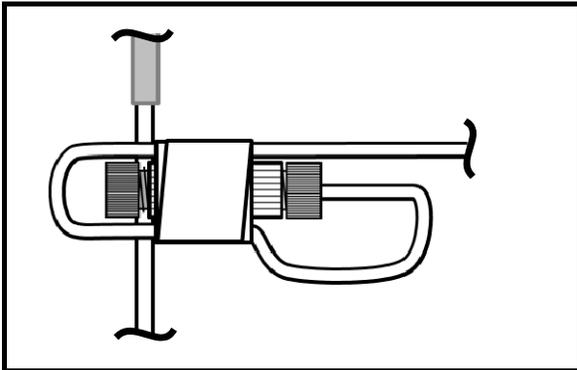
- A.5) Installing accessory wire into Posi-Tap™
- Confirm tap bottom gap is straight and evenly spaced around perimeter
 - Gently pull on wire to confirm secure connection.



- A.6) Accessory wire strain relief
- Measure ≥ 15 mm from point (A).
 - Gently form a loop at point (B) and bend back up towards Posi-Tap™ (bend radius ≥ 10 mm).
 - Gently form a loop at point (C) and bend back over top of Posi-Tap™ and down opposite side (bend radius ≥ 10 mm).



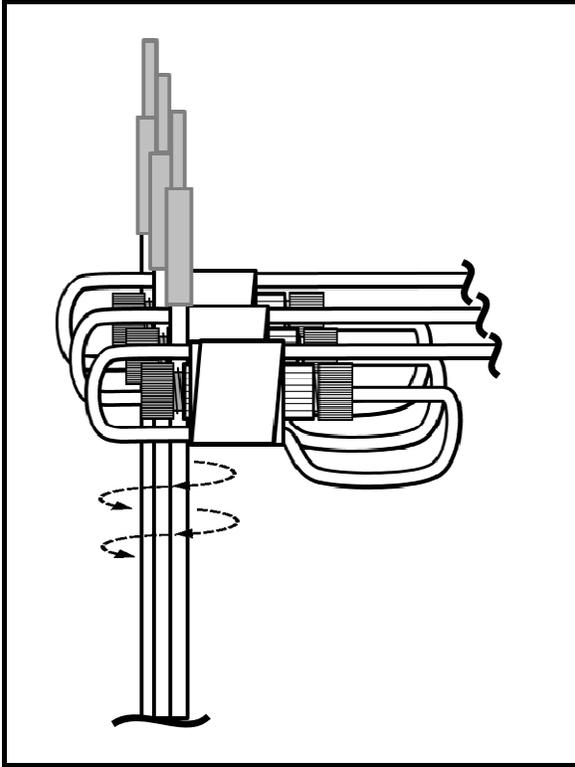
- A.7) Accessory wire strain relief
- Secure accessory wire strain relief to tap body with electrical tape (≥ 2 revolutions).



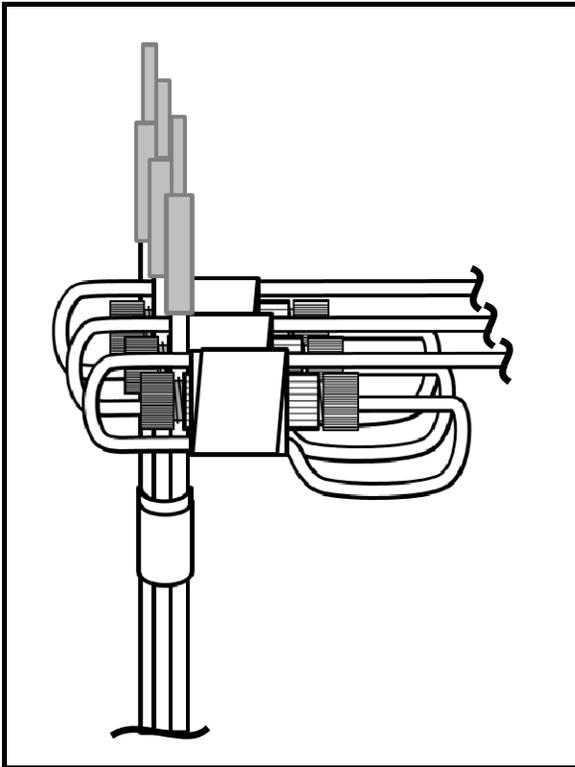
- A.8) Accessory wire strain relief
- Once accessory wire strain relief is taped to tap body, it should look as shown.

- A.9) Installing Posi-Tap™ on ASC (AAA)
- Repeat steps A.1 - A.8 for all other wires requiring a Posi-Tap™.

APPENDIX A - POSI-TAP PROCEDURE

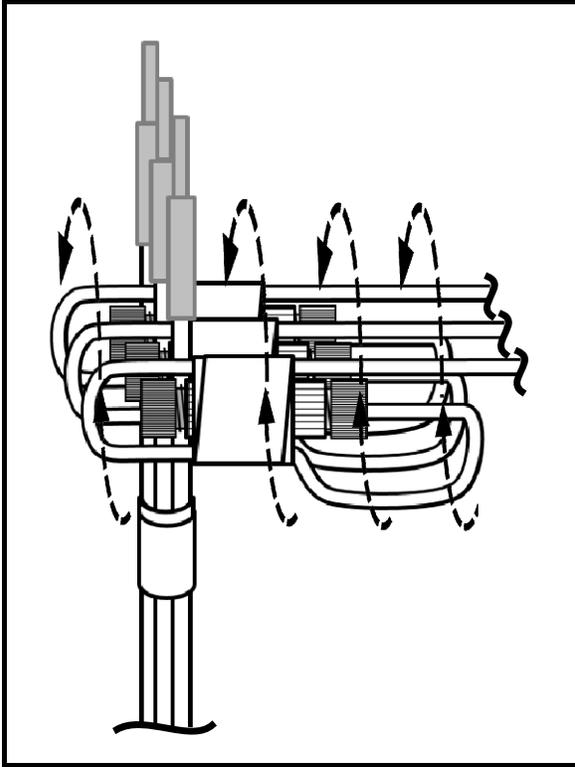


- A.10) Securing multiple Posi-Taps™ together
- a) Stack Posi-Taps™ in slightly staggered fashion as shown.
 - b) Secure tapped circuits together with electrical tape (≥ 2 revolutions).

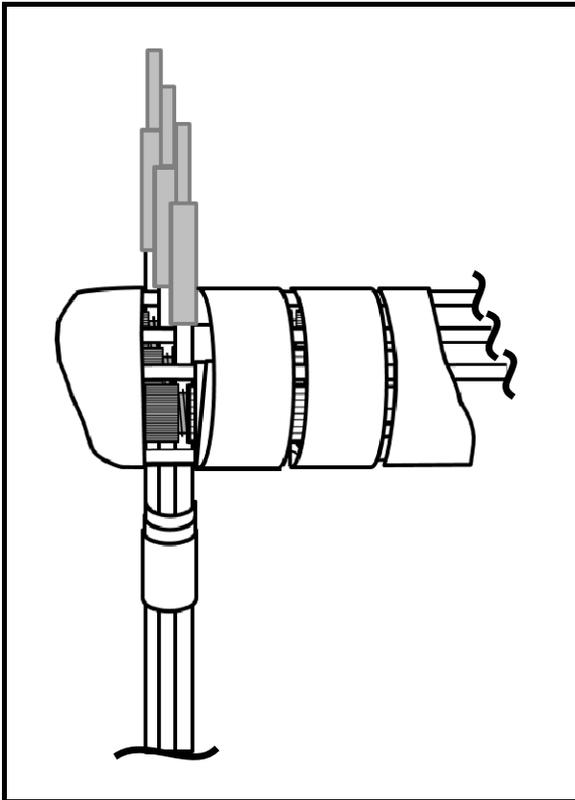


- A.11) Securing multiple Posi-Taps™ together
- a) Once tapped circuits are secured together with electrical tape they should look as shown.

APPENDIX A - POSI-TAP PROCEDURE

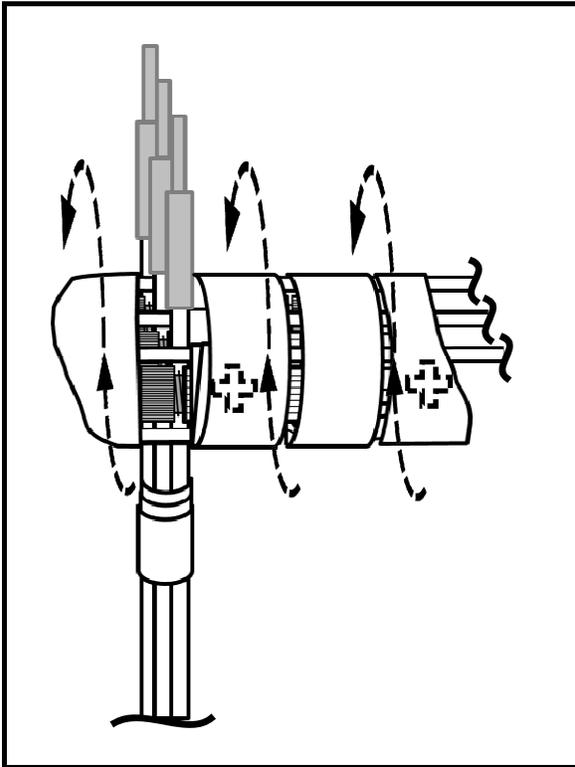


- A.12) Securing multiple Posi-Taps™ together
a) Secure Posi-Taps™ together with electrical tape (≥ 4 revolutions).



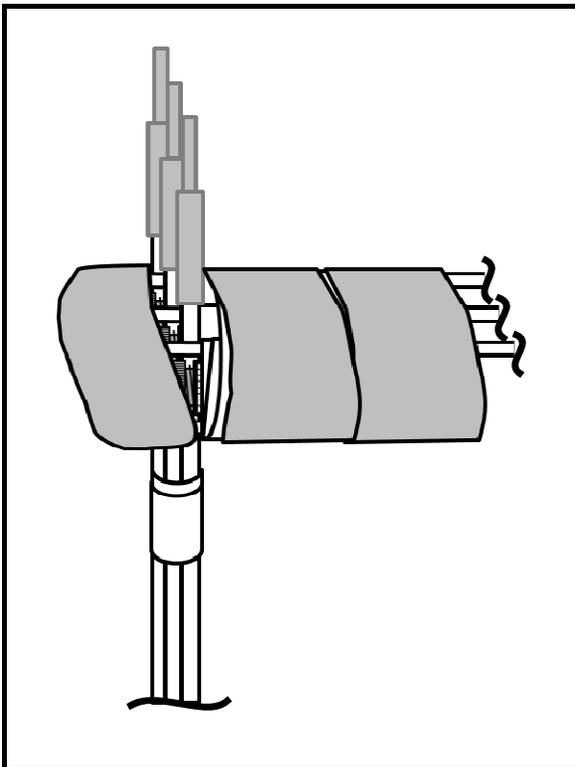
- A.13) Securing multiple Posi-Taps™ together
a) Once Posi-Taps™ are secured together with electrical tape they should look as shown.

APPENDIX A - POSI-TAP PROCEDURE



- A.14) Securing multiple Posi-Taps™ together
a) To prevent any possible noise or rattle issues, use two pieces of Foam Tape (E) to wrap pre-taped Posi-Taps™.

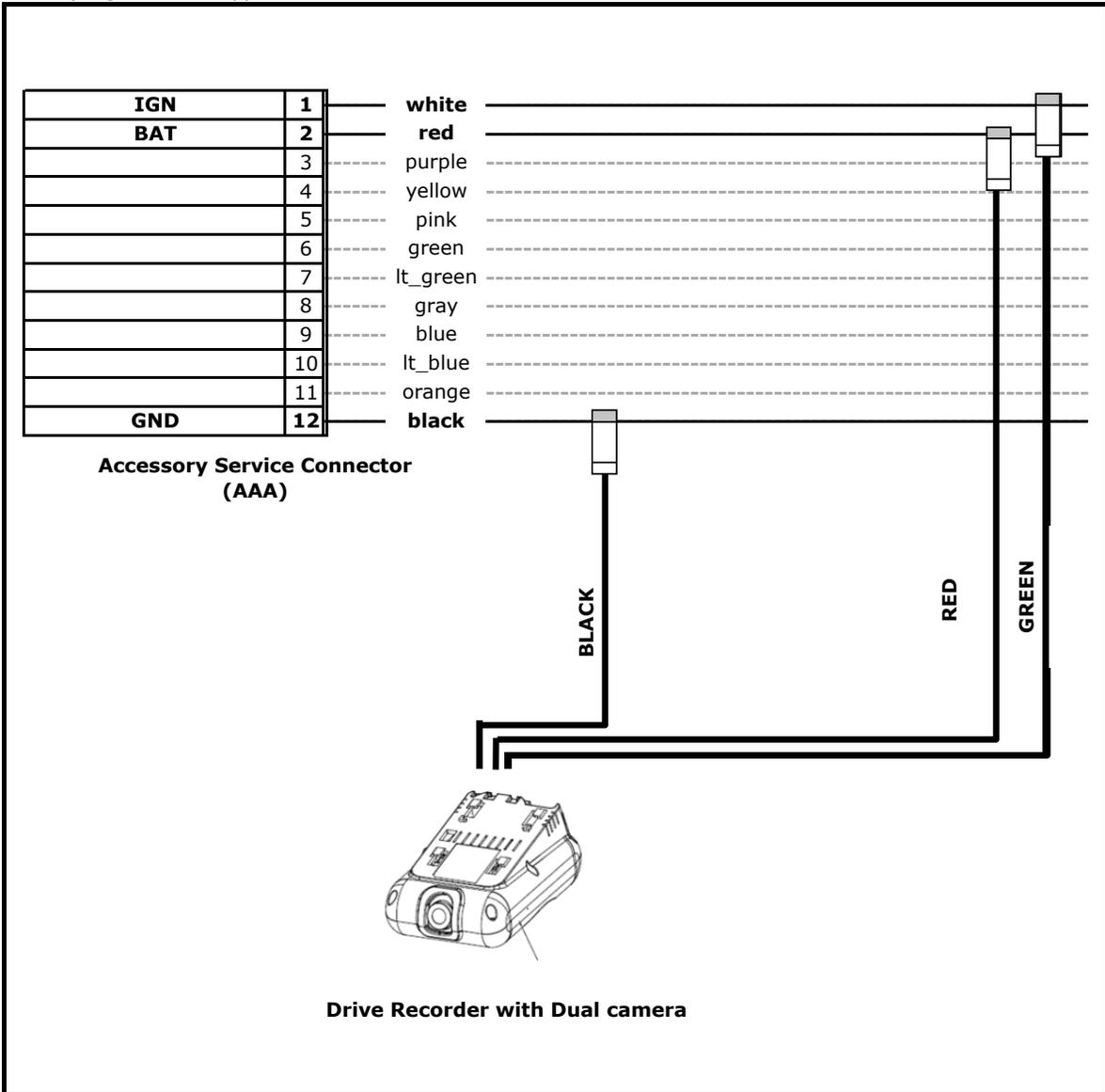
Foam Tape (E)

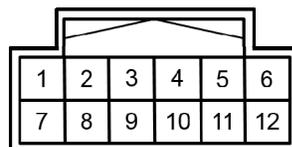


- A.15) Securing multiple Posi-Taps™ together
a) Once wrapped with Foam Tape (E), taped Posi-Tap™ bundle should look as shown.

APPENDIX B - MECHANIZATION DRAWING

B.1) Figure below applies to the Drive Recorder connected to the RH ASC



CONNECTOR PN#	T99F6 4RA0A	LEGEND
CONNECTOR NAME	ACCESSORY SERVICE CONNECTOR	POSI-TAP  GRAY - CIRCUIT TAP (PIERCE) SIDE RED - ACCESSORY (INSERT) SIDE
CONNECTOR COLOR	WHITE	
		Note: Pin location is referenced looking into harness side of connector with lock tab oriented as shown.

Page Intentionally Left Blank

LOCATION TEMPLATE

⚠ CAUTION

Template **MUST** be printed to scale in both directions. Check printout by using scales below.

25.4 mm
[1 INCH]

