



MAINTENANCE INFORMATION

MI20-13A

DATE:	September 2020	SECTION: 23 ACCESSORIES
SUBJECT:	SIDE CAMERA REAR VIEW SYSTEM – CAMERA ADJUSTMENT – H3 & X3 SERIES	

Revision: A

General revision

August 30, 2021

IMPORTANT NOTICE

This modification is recommended by PrevoSt to increase your vehicle's performance. Note that noreimbursement will be awarded for carrying out this modification.

DESCRIPTION

Use these instructions to adjust the side camera aiming.

MATERIAL – H3 SERIES

Order the following parts:

Part No.	Description	Qty
5002203	WSH FL RUB .17X.5X.09 (M4,#8)	4
5002204	PLUG SNAPIN1 POL BK .625X8GA	A/R

MATERIAL – X3 SERIES

Order the following parts:

Part No.	Description	Qty
5002214	WASHER, FLAT RUBBER .23X.625X.09 (M6,1/4)	2
5001182	NUT, NYRT	2

NOTE

Material can be obtained through regular channels.

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PROCEDURE**DANGER**

Park vehicle safely, apply parking brake, stop engine.
 Lock out & Tag out (LOTO) must be performed during set-up, maintenance or repair activities.
 Refer to your local procedure for detailed information regarding the control of hazardous energy.

**CAUTION**

Do not use power tools for this procedure.

H3 SERIES – CAMERA COVER REMOVAL

1. Remove the snap in plugs.

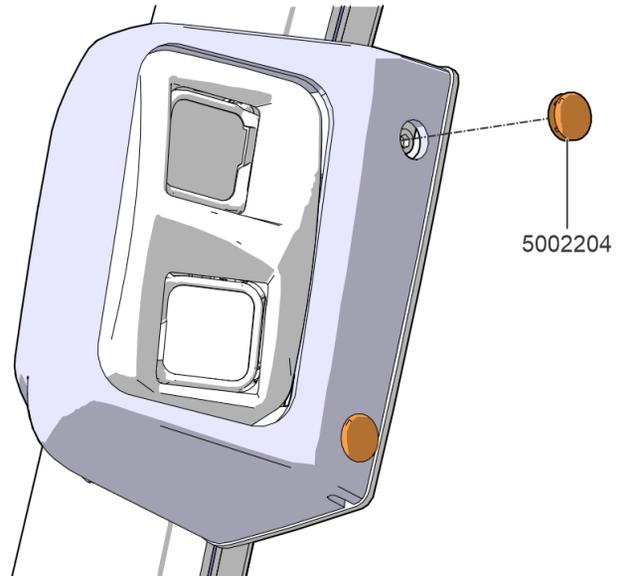


Figure 1

2. Remove mounting screws.
3. Discard single use rubber washer 5002203. Replace with a new washer at re-assembly.
4. Keep hardware.

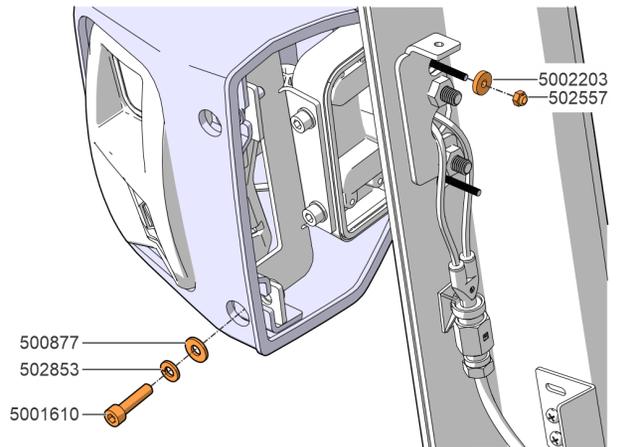


Figure 2

X3 SERIES – CAMERA COVER REMOVAL

1. Remove the three camera cover mounting screws. Keep hardware.

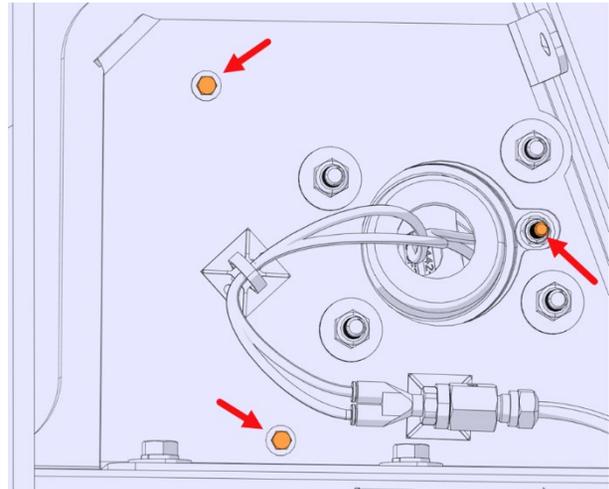


Figure 3

2. Remove the camera cover.

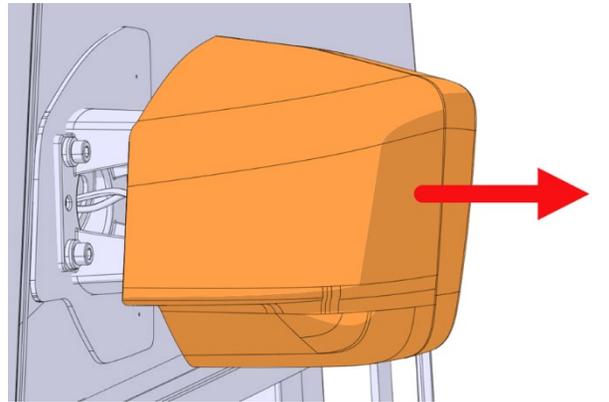


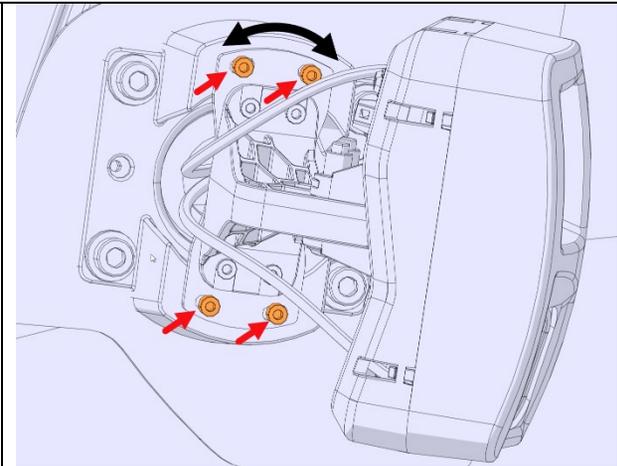
Figure 4

APPLYING HIGH VISIBILITY TAPE ON THE GROUND

1. Lay straight lines of colored tape perpendicular to the vehicle on the floor, 1 foot behind the center of the drive axle and 3 feet behind the rear bumper. Use a high contrast color. This is used to align the camera.

CAMERA BRACKET

1. Loosen the four screws shown.
2. Confirm camera can rotate.

*Figure 5*

CAMERA ADJUSTMENT

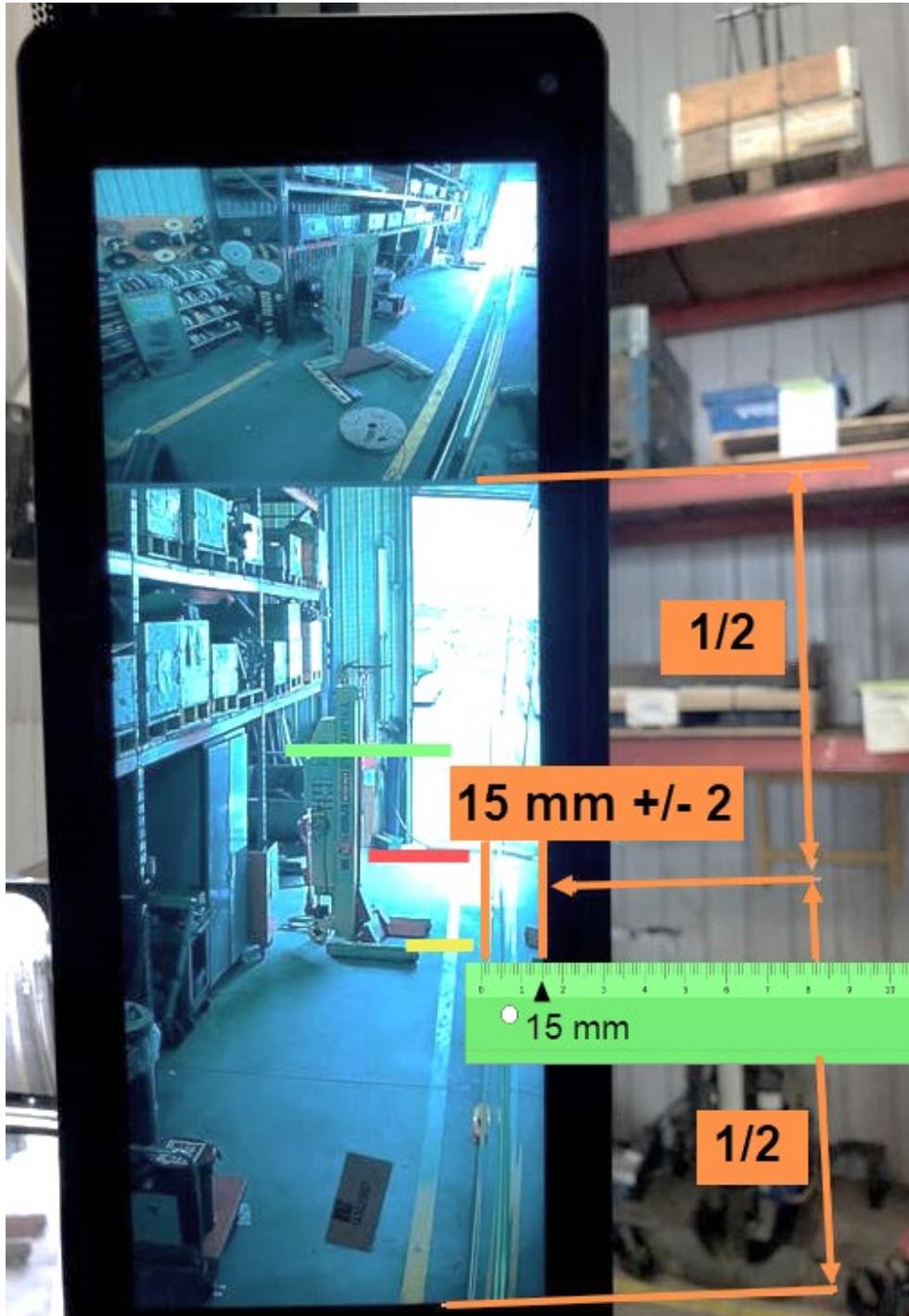


Figure 6

1. Ask a team member to match the yellow & red line on the screen with the colored tape while you adjust the camera up or down.
2. Hand tighten the four bracket screws to preserve camera adjustment.
3. One screw at a time, apply blue medium strength thread locker to the screws and re-tighten.
4. Confirm proper camera alignment is preserved.
5. In the middle of the main view, measure between the edge of the image and the outer edge of the vehicle seen. **15 mm +/- 2 of the vehicle body must be visible.** If an adjustment is needed, perform "HORIZONTAL ADJUSTMENT TO OBTAIN 15 MM +/- 2".

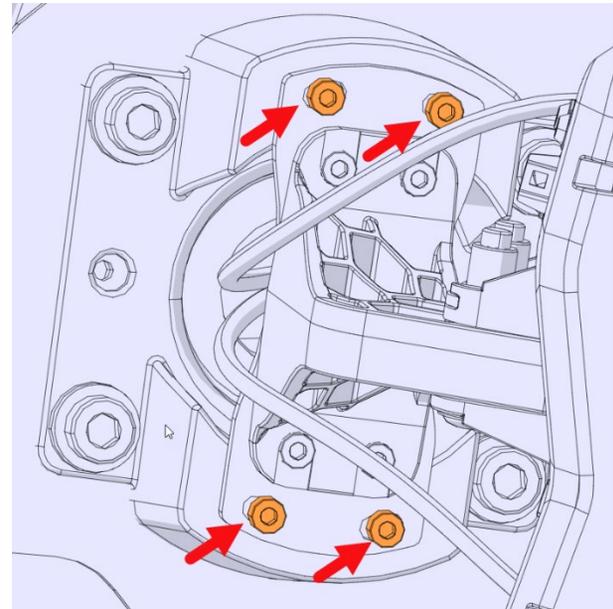


Figure 7

HORIZONTAL ADJUSTMENT TO OBTAIN 15 MM +/- 2

If a horizontal adjustment of the camera is necessary (Figure 6), it can be change by +/- 5°.

1. Remove the screw identified with the red triangle.
2. Loosen the other screw (green circle).
3. Adjust the camera horizontally.
4. Tighten screws 10 N-m (7.4 lbf-ft)

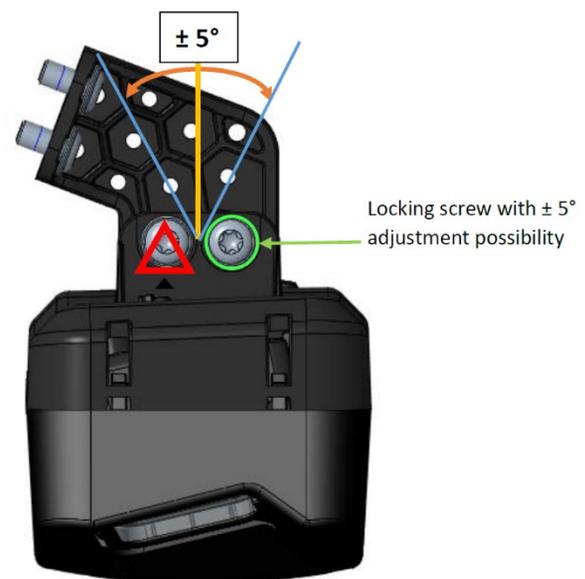


Figure 8

H3 SERIES – CAMERA COVER REINSTALLATION

1. Once adjustment is complete, place the cover back on the camera.
2. Present the cover at an angle, move the edge close to the window.

3. Rotate cover and slide threaded rods in.
Tip: Use your fingers to align the threaded rods with the holes.

4. Push cover in gradually. Confirm it fits snugly on the vehicle body.

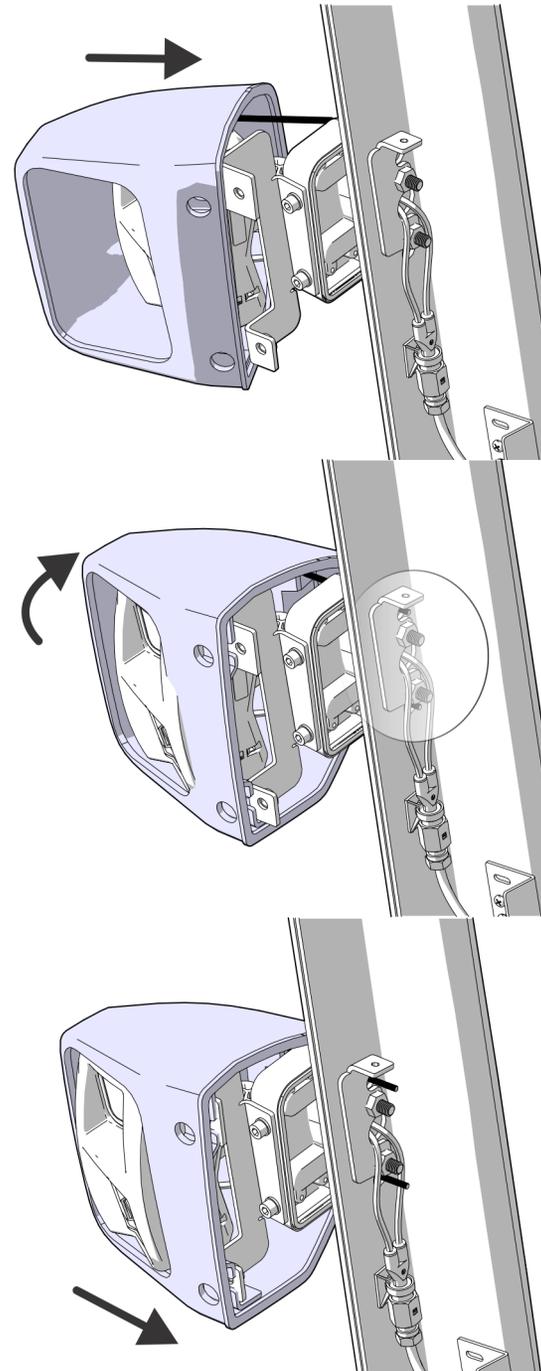


Figure 9

5. Hold the cover in place. Ask a colleague to install a new single use 5002203 rubber washer, flat washer and 502557 M4 nylon lock nut on the cover mounting studs.

Secure cover with 2X 5001610 M6 x 25mm socket head cap screw; 502853 lock washer, 500877 washer.

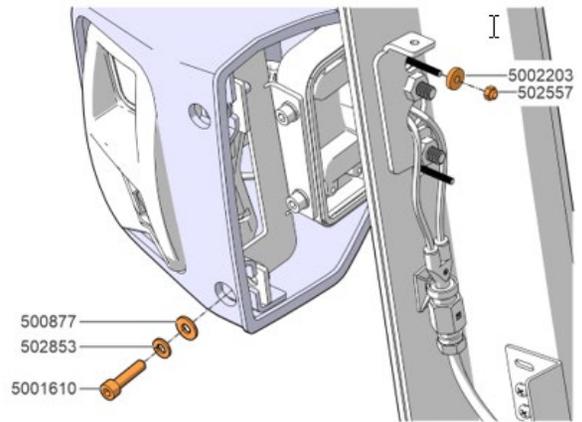


Figure 10

6. Replace any 5002204 snap in plugs damaged at removal with a new.

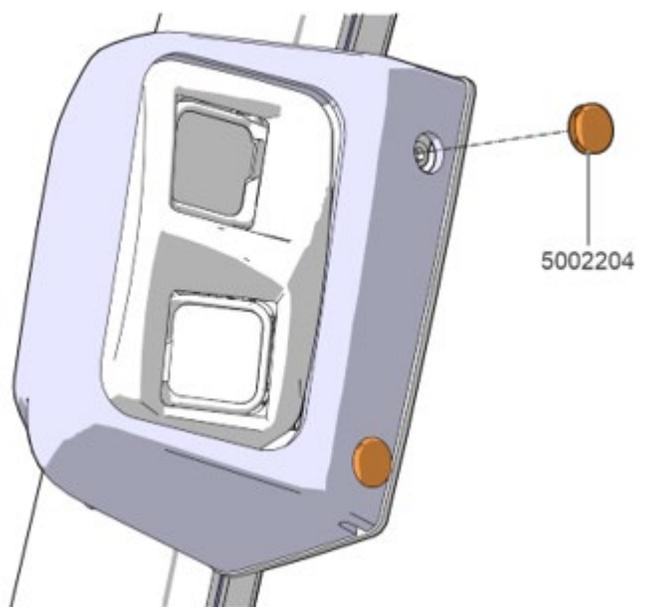


Figure 11

X3 SERIES – CAMERA COVER REINSTALLATION

1. On the threaded rod, replace the rubber washer and the NYRT nut (nylon insert) with a new one.

5002214 rubber washer

5001182 NYRT nut

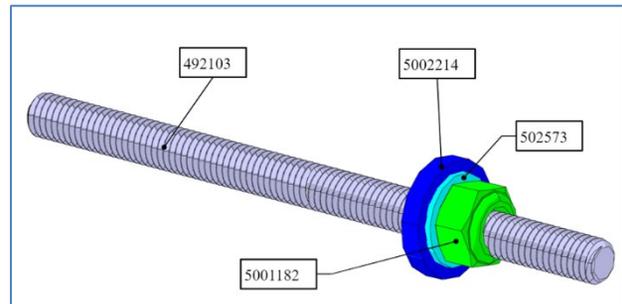


Figure 12

2. Install exterior cover.
3. **VERY IMPORTANT:** Apply **DOOR EASE stick lubricant** on the threads.
4. Present the cover at an angle, move the rear edge close to the window.
5. Rotate cover and slide threaded rod in.
Tip: Use your fingers to align the threaded rod and machine screws with the hole. Tighten fasteners a few turns.
6. Push cover in gradually. Confirm it fits snugly on the vehicle body.
7. Hold the cover in place. Ask a colleague to **hand tighten** fasteners from inside.

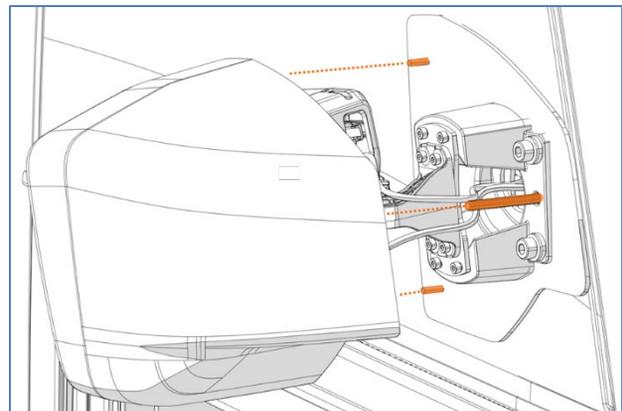


Figure 13

PARTS / WASTE DISPOSAL

Discard according to applicable environmental regulations (Municipal/State[Prov.]/ Federal)

Access all our Service Bulletins on <http://techpub.prevostcar.com/en/>
Or scan the QR-Code with your smart phone

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