



Rain Sensor Replacement

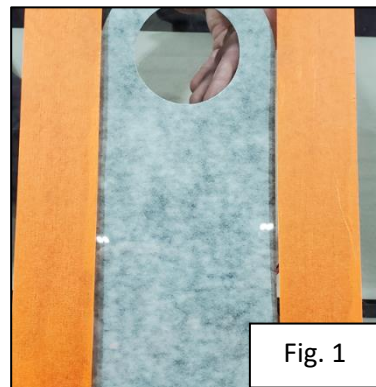
Bulletin Type:	SRP	Publication Date:	April 2023
Bulletin #(s):	23-104	Make(s):	Entegra Coach
Job Code(s):	<i>If affected unit has warranty remaining, submit your claim following the normal process</i>	Model(s):	Aspire, Anthem, Cornerstone
Flat Rate(s):		Model Year(s):	2023

Incident:	Spartan Wiper Sensor falling off
Affected Units:	2023 Entegra Coach Aspire, Anthem, and Cornerstone
Parts List:	1 - DECAL,RAIN SNSR 04.38X10.81 BLK (JAYCO #2032039) 1 - SENSOR,RAIN FUNC LT WSHLD (JAYCO #2046617) 1 - ELEMENT, FIXING WITHOUT TAPE ADHESIVE WINDSHIELD (JAYCO #2046618) 6 inches – TAPE,DBL CTD BLK .50X72YDS VNR#3M159482-ND (JAYCO #2037449) 1 - COVER,WPR SNSR 04.13X10.75 PLSTC BLK W/O NCH (JAYCO #2040853) 1 – SUPPORT,RAIN SNSR 2.88X3.75 .25 BLK ABS (JAYCO #2048744)
Misc. Tools & Supplies:	Isopropyl Alcohol Heat Gun Putty Stick

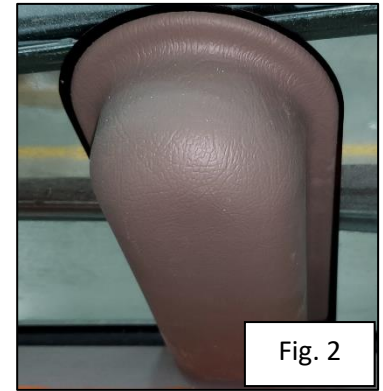
RAIN SENSOR REPLACEMENT INSTRUCTIONS

- Repair time should not exceed one hour labor.

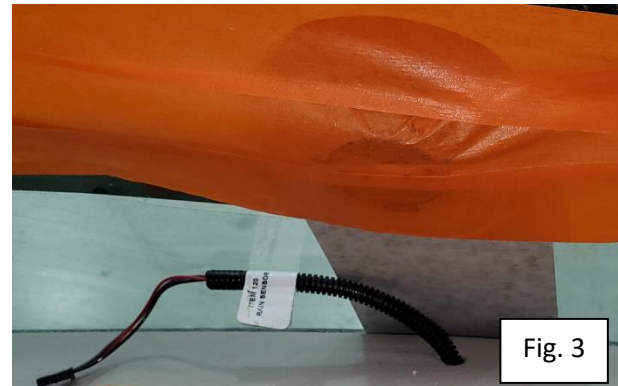
- Mark the perimeter of the decal with masking tape on the outside of the windshield. (Figure 1)



2. Remove the Rain Sensor ABS Cover (Figure 2)
 - A. Use a heat gun or blow dryer to warm the outer edges that are taped together. This will loosen the bond of the tape to the windshield.
 - B. Using a putty stick, pry and pull the taped surfaces apart.



3. Disconnect the wiring from the wiper sensor. (Figure 3)
4. Remove the Rain Sensor and mounting clip from the unit and discard.



5. Replace the Rain Sensor Decal.
 - A. Removal of Old Decal – Heat Gun Method:
 - A. **NOTE: Use caution when using a heat gun, damage to the substrate will occur if heat is concentrated in one area for more than 30 seconds.**
 - B. Heat the entire vinyl graphic by holding the heat gun 6 to 12 inches away for the surface.
 - C. After heating the entire vinyl graphic for approximately 1 to 2 minutes, loosen one edge of the vinyl graphic by pulling back slowly.
 - D. Proceed at a slow, steady pace while heating and pulling the vinyl graphic at less than 90° angle. This usually prevents the vinyl from breaking and will remove most of the adhesive from the substrate.
 - E. If the vinyl graphic becomes hard to pull, stop, heat the vinyl graphic, and proceed with removal.
 - B. General Surface Preparations:
 - A. If needed, utilize a razor blade scraper and some isopropyl alcohol, remove the excess adhesive left from the decal.
 - B. Use isopropyl alcohol to clean the inside and outside of the window to ensure there is not any dust on the interior of the window. DO NOT use Windex or similar type products for surface preparation.
 - C. Installation of New Decal:
 - A. Starting at the bottom of the decal, remove about 2 inches of the decal liner and align the vinyl graphic to the masking tape on the exterior of the window. (Figure 4)
 1. **Note:** Always remove the liner from the vinyl graphic rather than the vinyl graphic from the liner.
 - B. Tack it to the surface with thumb pressure at the corners. Using an application tool (felt squeegee), begin application at the vertical center of the vinyl graphic and apply all the way to one edge. Then, return to center with overlapping strokes and repeat the procedure applying to the opposite edge.
 - C. Remove the liner from another 3-4 inches of the decal or to the bottom of the circle. (Figure 5 – view from exterior)

- D. Tack it to the surface with thumb pressure at the corners. Using an application tool (felt squeegee), begin application at the vertical center of the vinyl graphic and apply all the way to one edge. Then, return to center with overlapping strokes and repeat the procedure applying to the opposite edge.
- E. Remove the remainder of the liner. (Figure 6)
- F. Tack it to the surface with thumb pressure at the corners. Using an application tool (felt squeegee), begin application at the vertical center of the vinyl graphic and apply all the way to one edge. Then, return to center with overlapping strokes and repeat the procedure applying to the opposite edge.

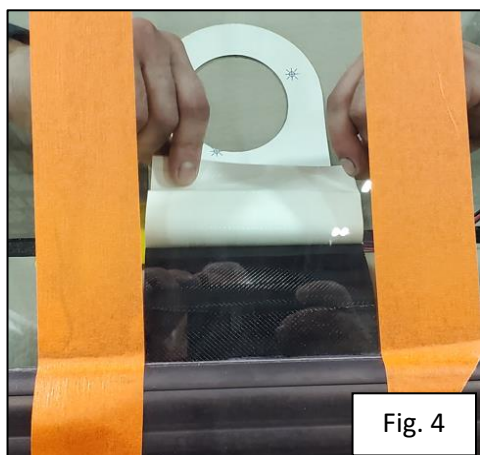


Fig. 4

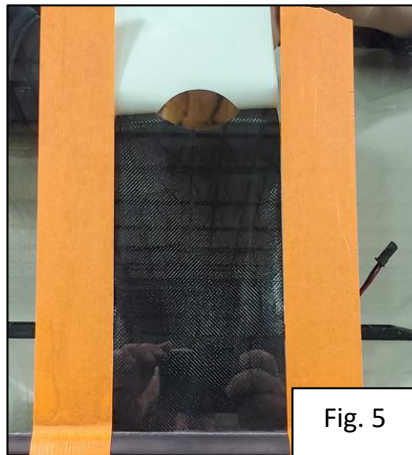


Fig. 5

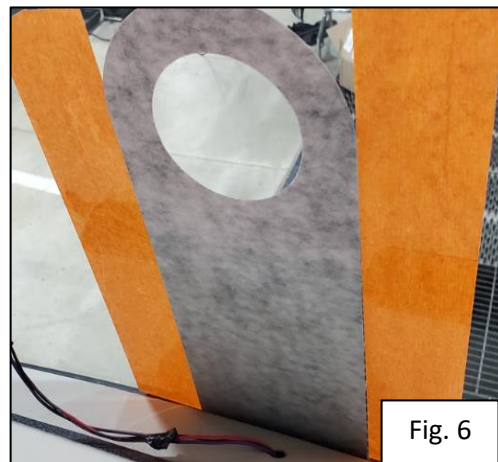


Fig. 6

- G. Remove Application Masking: Mist application masking with a water solution, allow this to soak for a minimum of two minutes. This will release the bond between the application masking and the face of the vinyl graphic. Remove application masking from the face of the vinyl graphic by pulling masking back upon itself always at a 180° angle.
- H. Remove Entrapped Air: Inspect the graphic for air bubbles. To eliminate these bubbles, puncture the graphic at one end of the bubble with an air release tool and press out entrapped air with a felt squeegee moving towards the puncture.
- I. Re-squeegee Vinyl Graphic: When the entire graphic has been applied; re-squeegee the entire graphic using a felt squeegee.

6. Installing the rain sensor mounting ring.

- A. When you receive your part, the 3M VHB Tape 4919F should already be installed on the mounting ring holding the sensor. (Figure 7)
- B. To obtain optimum adhesion, the bonding surfaces must be stable, clean and dry. Use isopropyl alcohol to clean the window. (Figure 8 - Steps A and B)
- C. Install the mounting ring into the mounting tool and remove the protective film from the 3M Tape.
- D. Center the mounting ring into the cutout of the decal and press against the windshield.
- E. Add masking tape to hold the mounting tool and ring into place. (Figure 9)

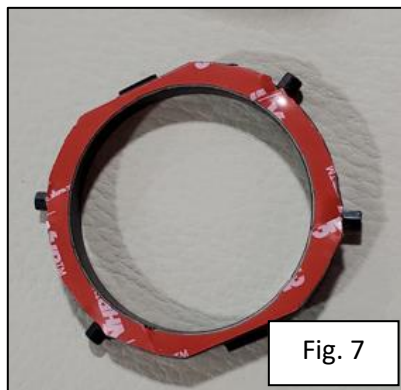


Fig. 7

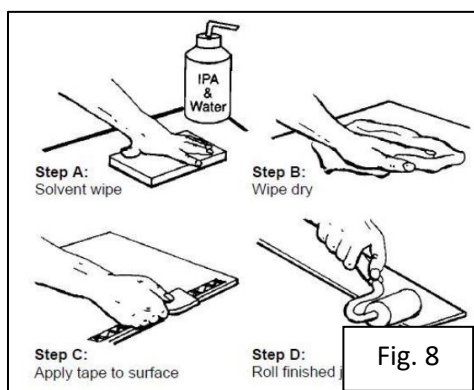


Fig. 8

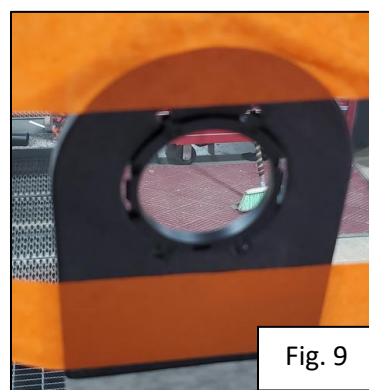


Fig. 9

- F. Firm application pressure develops better adhesive contact and helps improve bond strength. Generally, this means that the tape should experience >15 psi in roll down or platen pressure for a minimum of 4 hours.
 - A. Dash protection MUST be used to protect against any damage.
 - Install a 1x3 piece of wood between the mounting ring and the dash to apply consistent pressure for a minimum of 4 hours. For ultimate strength, the tape will achieve 90% after 24 hours. (Figures 10-11)



Fig. 10

- 7. With the rain sensor mounting ring secured, install the rain sensor to the mounting ring. (Figure 12)
 - A. Verify there is not any dust or finger prints inside the mounting ring. The glass MUST be clean.
 - B. Remove the clear plastic from the rain sensor gel.
 - C. Using the (2) metal clips on the side of the rain sensor, clip the rain sensor to the mounting ring.
 - NOTE: When installed, there should not be any air bubbles visible from the outside.



Fig. 11

- 8. With the rain sensor secured, connect the wiring previously removed.

- 9. Install the new Rain Sensor ABS Cover

- A. To obtain optimum adhesion, the bonding surfaces must be stable, clean and dry. Use isopropyl alcohol to clean the window. (Figure 7 - Steps A and B)
- B. Remove the film from the double sided tape
- C. Firm application pressure develops better adhesive contact and helps improve bond strength.

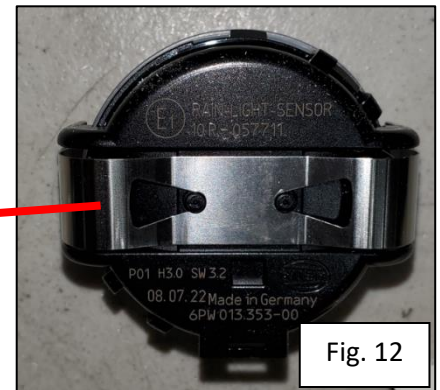


Fig. 12

Jayco's sole obligation under our limited warranty is to repair or replace defective materials and/or workmanship deemed our responsibility as determined by Jayco in our sole discretion. Jayco reserves the right to use new and/or remanufactured parts or materials of similar quality to complete any work, and to make parts and/or design changes as appropriate without notice to anyone. Jayco designs and/or materials changes are done without obligation to incorporate such changes in previously manufactured product. Jayco makes every reasonable effort to ensure field remedies will not adversely affect performance and/or safety of the unit. This field remedy is not intended to extend to future performance of this RV, or any of its materials, components or parts beyond the standard warranty period. The RV owner's obligation to notify Jayco, or one of its independent, authorized dealers, of a claimed defect does not modify any obligation placed on the RV owner to contact Jayco directly when attempting to pursue remedies under state or federal law.

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