



NHTSA# 18V-445 Jayco Motorized
18V-446 Entegra

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TC# 2018-363 Jayco Motorized
2018-362 Entegra

Job Code 9903403

Series/Flat Rate 1 hour

INCIDENT

Wiper arms could lift away from the windshield reducing visibility

AFFECTED UNITS

2019 Alante Class A motorhomes

- K1AR0059-0064
- K1AS0071-0079
- K1AV0069-0106
- K1AX0062-0083

2019 Precept Class A motorhomes

- K1UK0052-0063
- K1UL0078-0109
- K1UV0071-0078

2019 Precept Prestige Class A motorhomes

- K1DT0051
- K1DU0055-0066

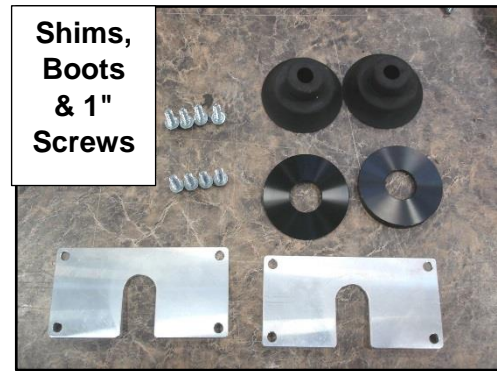
2019 Emblem Class A motorhomes

- K1DU8096-8108
- K1DT8052-8055

2019 Vision Class A motorhomes

- K1AR8066-8075
- K1AS8098-8106
- K1AV8091-8099
- K1AX8081-8090

**PARTS KIT
18V445/446**



- 2 - new wiper arms
- 2 - Shims - aluminum angled
- 2 - Shims - round aluminum beveled
- 8 - 1" long screws
- 2 - rubber boots (shorter)

Misc. Tools and Supplies

- Torque wrench (ft/lbs)
- Screw gun
- Socket - 13mm
- Socket - 1-5/16
- ratchet wrench
- 5/16" nut driver bit
- 33mm open/box end wrench
- gear puller and a 9/16" socket
- trim shears
- safety glasses
- Masking tape



INSTRUCTIONS

1. Make sure the wipers are in the parked position. Ignition **OFF**.
2. Mark the parked position of both wiper blades on the windshield with tape since wipers will be removed.



FIG 1: Remove the cover (arrow) from the wiper arms to expose the 13mm flanged nut.

FIG 2: Loosen the 13mm flanged nut on the wiper arm with the screw gun and 13mm socket.

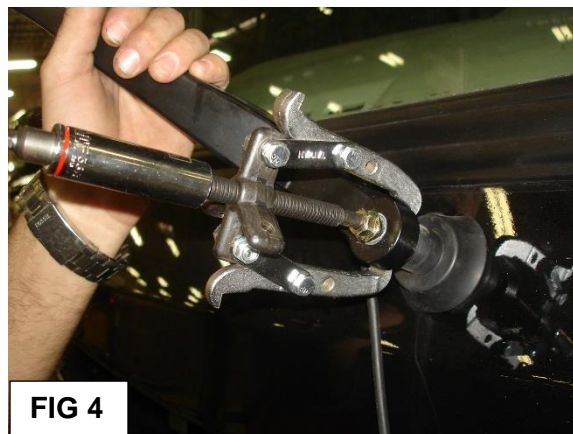
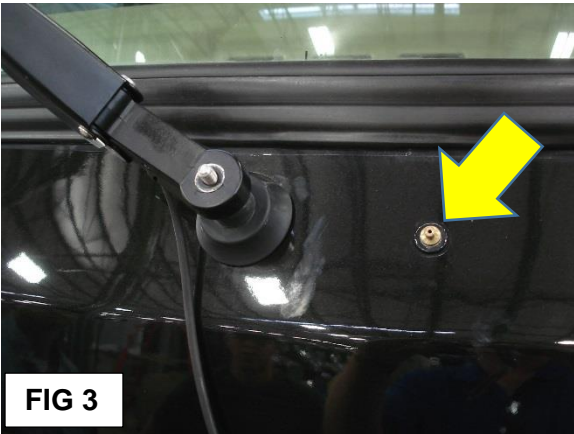


FIG 3: Disconnect the two reservoir hoses from their connections (arrow).

FIG 4: Keep the 13mm nut threaded a few turns on the wiper arm stud.
Use the gear puller, place the jaws under the wiper arm base.
Place the gear puller rod on the 13mm nut. The nut helps keep the rod from slipping off.
Use the 9/16" socket to turn the gear puller rod, which will pull the wiper arm loose.
Remove the 13mm nut and the wiper arm.
Repeat this operation for the other wiper arm.

3. Discard the old wiper arms, but **retain the wiper blade assemblies** which will be re-used.



FIG 5: Remove the rubber cap off each wiper location. Old rubber caps will not be re-used.

FIG 6: Use the 33mm wrench and remove the large jam nut on each wiper arm stud.

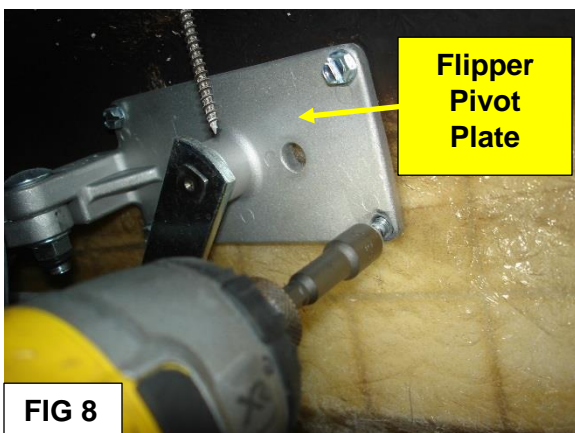


FIG 7: Remove the flat washer from each wiper stud and save it.

FIG 8: From the **back side** of the wipers, remove 4 screws from the flipper pivot plate.

Use the 5/16" nut driver bit to remove the screws. Discard all 4 of these small screws.

NOTE: This requires someone who is rather slender to crawl in underneath the coach and up between the firewall and front of the coach to reach the back side of the wiper arm controls. A second person standing on the outside of the front of the vehicle may be helpful to push the wiper studs inward.

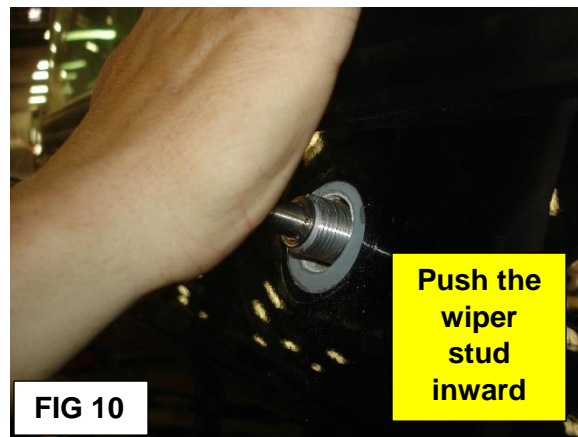
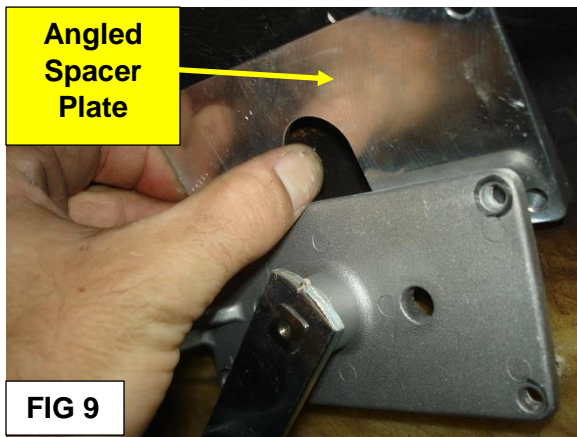


FIG 9: Pull the flipper pivot plate away enough to insert the angled spacer behind the flipper pivot plate.

The angled spacer must be installed as shown with the closed end of the "U" slot turned up.

Both sides of the angled spacers are identical.

Closed end of the "U" cutout must be up on top as shown with the thick portion at the bottom.

FIG 10: A second person pushing the wiper studs in, will help gain space inside for the spacer plate.

Install the other spacer plate on the other wiper in the same manner.

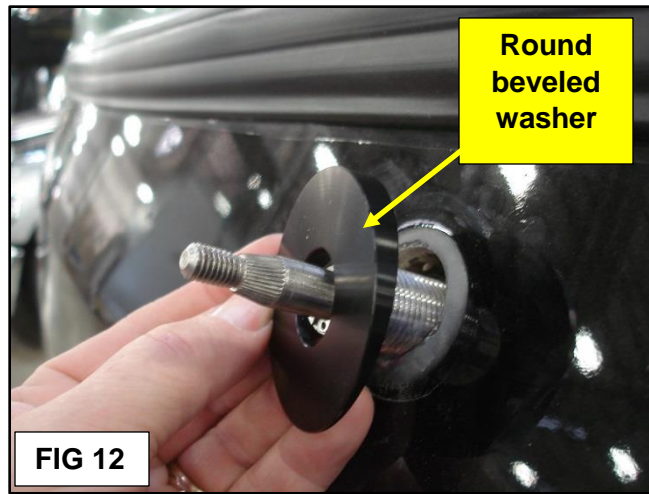
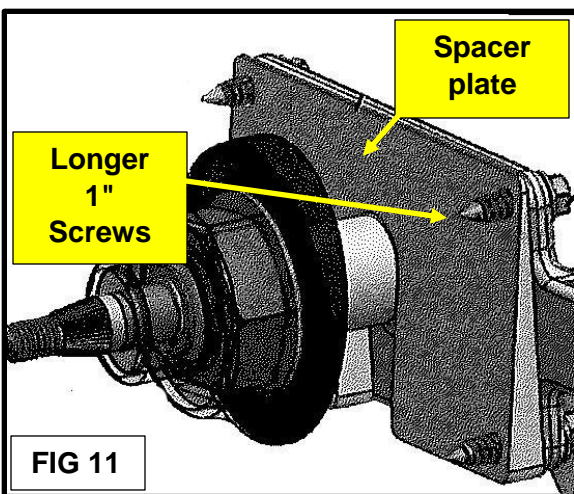


FIG 11: Attach the angled spacer plate with four 1" long screws from the kit.

Use the longer screws to attach both angled spacer plates.

This completes the work on the backside of the wipers.

FIG 12: On the front side of the vehicle, add the two round aluminum beveled washers.

One goes on each wiper stud. Place them so the thicker side is up toward the windshield.



FIG 13: Install the flat washer on each wiper stud.

FIG 14: Install the 33mm jam nut back on each wiper stud.



FIG 15: Torque the 33mm nut to 15 ft/lbs with the torque wrench using the 1-5/16" socket.

Torque the nut with the wrench until it indicates proper torque has been reached.

Release pressure on the torque wrench and torque the nut a second time to verify proper torque.

FIG 16: Install the shorter boots from the kit on to the wiper studs.



FIG 17: Install the old wiper blade assemblies on to the new arms from the kit. Install the completely assembled arms and blades on to the wiper studs. **Make sure the wiper blades click on to the wiper arms. Make sure the blades match the parked position taped off in Step 2.**

FIG 18: Install the 13mm flanged nuts onto the threaded wiper studs.



FIG 19: Torque the 13mm flanged nuts on the wiper arms to 15 ft/lbs each. **Wait 30 minutes and re-torque the nuts again to 15 ft/lbs each. Wiper system should NOT be powered on until this step has been completed.**

FIG 20: Trim the wiper hoses so they reach the washer connections on the front of the vehicle. Use the trim shears to cut off the excess hose length.