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# Installation Instructions

## Cowl Vent Lid & Mechanism Hardware Kit

### 01A-426-HK

### 1940 Car

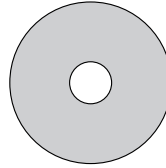
#### REQUIRED MATERIALS AND TOOLS



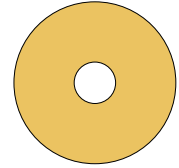
Spring (1)



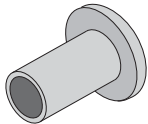
Hex Bolt, Special,  
1/4-20 x 1.26, (1)



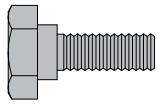
Fender Washer, Special,  
.26 ID x 1 OD, Steel (2)



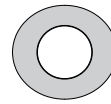
Fender Washer, Special,  
.26 ID x 1 OD, Brass (2)



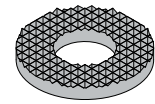
Rivet, Tubular (1)



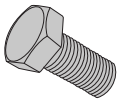
Hex Shoulder Bolt,  
1/4 - 28 x .80 (3)



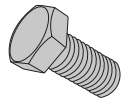
Spring Washer,  
.40 ID x .70 OD (3)



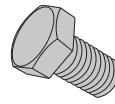
Friction Washer,  
.30 ID x .62 OD x .075 Thick (4)



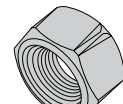
Hex Bolt  
1/4 - 28 x 5/8 (2)



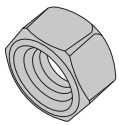
Hex Bolt  
1/4 - 20 x 5/8 (4)



Hex Bolt  
1/4 - 20 x 1/2 (1)



Hex Nut, 1/4 - 28 (5)



Hex Nut, 1/4 - 20 (6)



Flat Washer, 1/4 (9)



Lock Washer, 1/4 (10)



3/16 Wrench  
(2)

#### INSTRUCTIONS

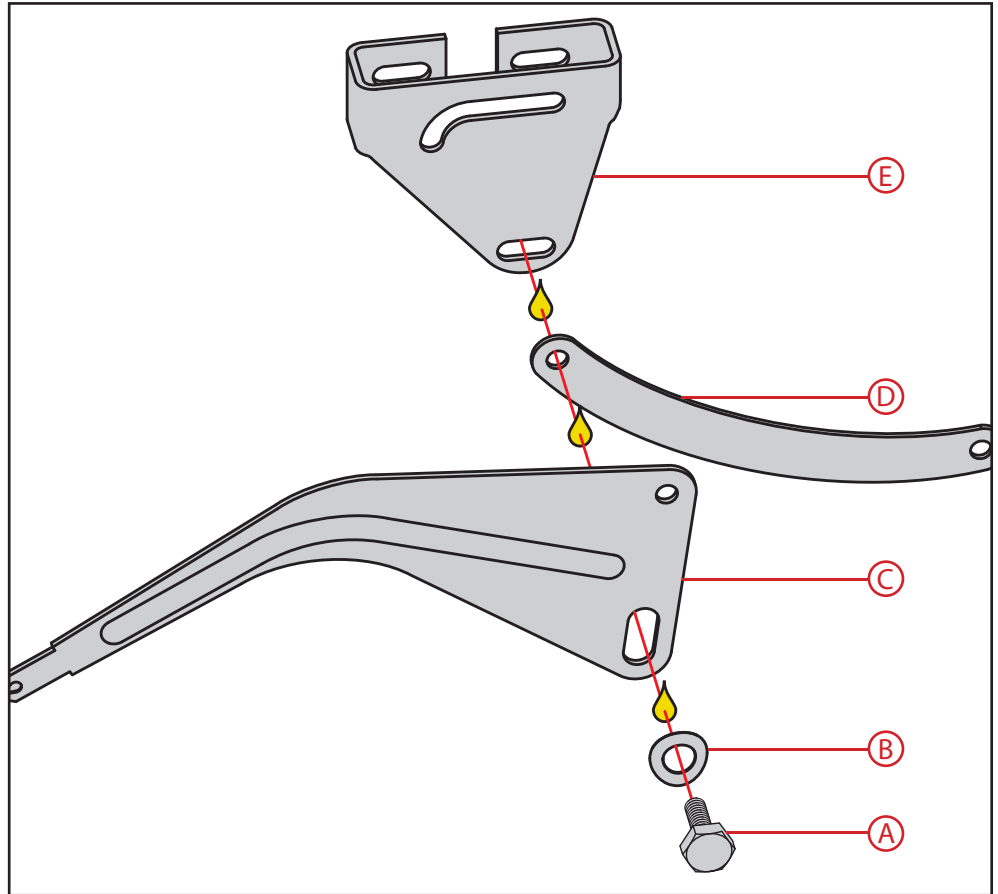
##### BEFORE YOU BEGIN:

1. Read instructions completely to ensure that you have the skills and materials to complete the job.
2. Remove existing Cowl Vent Lid & Mechanism, if necessary.
3. Installation of some cowl mechanisms is easier with the dask removed.

## INSTRUCTIONS (Continued)

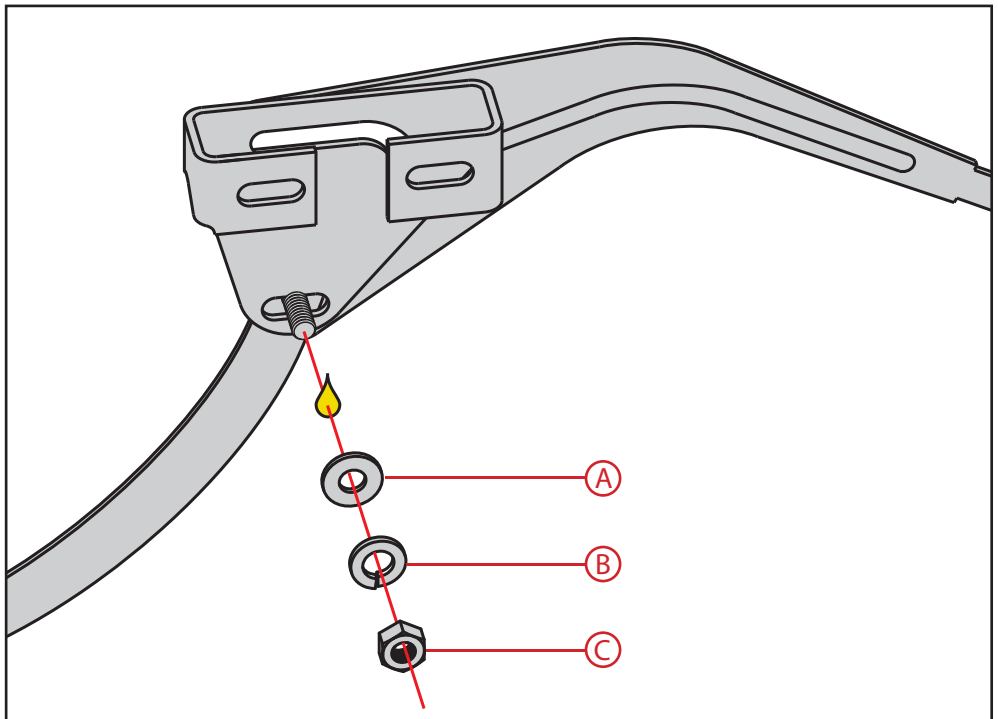
### STEP 1: Replace Hardware Between Lever, Pivot Plate and Brace

- Remove and replace hardware as shown:
  - (A)** - Hex Shoulder Bolt, 1/4 - 28 x .80
  - (B)** - Spring Washer, .40 ID x .70 OD
  - (C)** - Cowl Ventilator Lever
  - (D)** - Brace
  - (E)** - Pivot Plate
- Grease friction points where indicated by the yellow droplet. We recommend White Lithium Grease.



### STEP 2: Secure Lever to Pivot Plate and Brace

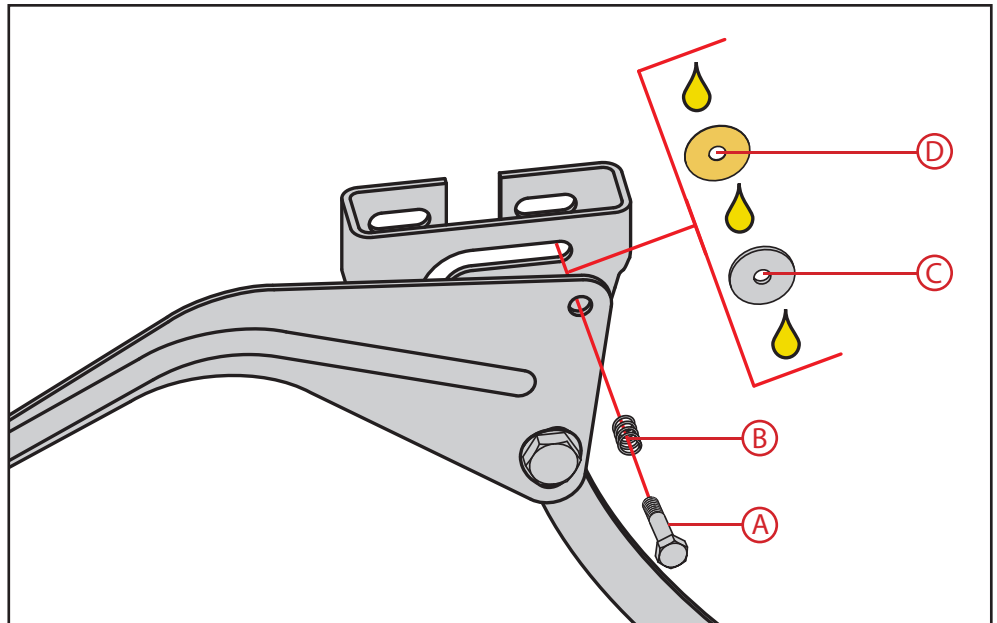
- Holding the Lever, Brace, Pivot Plate and hardware together, flip the partial assembly over to expose the threaded end of the Hex Shoulder Bolt.
- Grease the Flat Washer as shown.
- Replace hardware as shown:
  - (A)** - Flat Washer, 1/4
  - (B)** - Lock Washer, 1/4
  - (C)** - Hex Nut, 1/4-28
- Tighten Hex Nut two turns; the nut will be fully tightened later.



## INSTRUCTIONS (Continued)

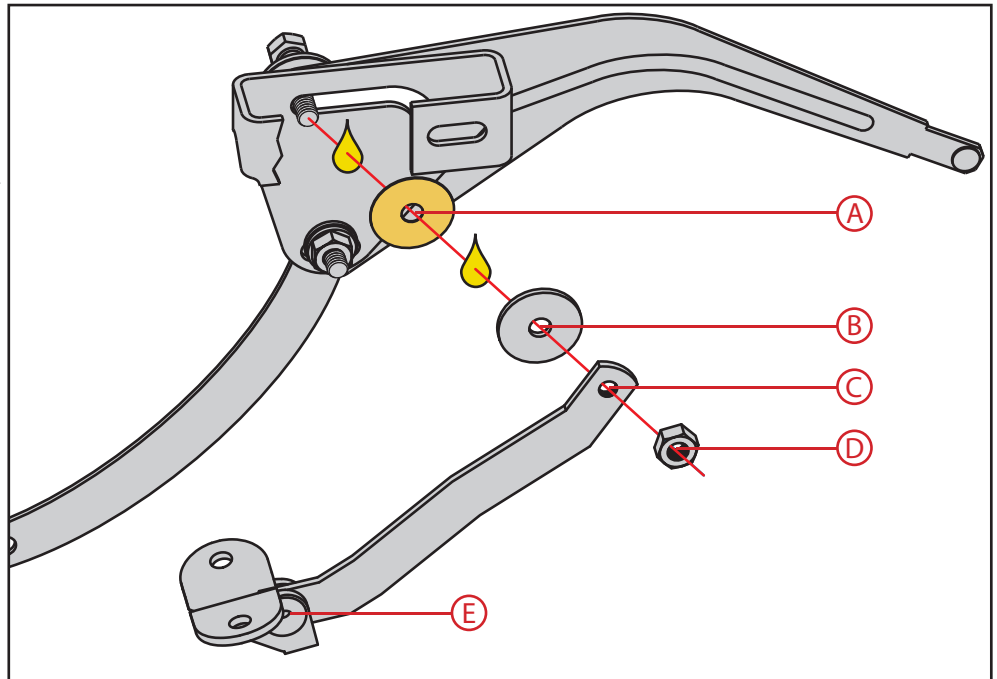
### STEP 3: Attach Lever to Pivot Plate

1. Flip the partial assembly back over.
2. Slide the Spring (B) onto the Hex Bolt ( $\frac{1}{4}$ -20 x 1.26) (A).
3. Grease each side of the Steel Fender Washer (C) and Brass Fender Washer (D) as shown by the yellow droplet at right.
4. Place Fender Washers together and slip between the Lever and Pivot Plate.
5. Put the Hex Bolt with Spring through the holes in the Lever, Fender Washers and Pivot Plate as shown.



### STEP 4: Secure Lever to Pivot Plate

1. Flip the partial assembly back over.
2. Assemble Fender Washers (A) & (B) on threaded end of Hex Bolt, greasing at friction points as shown.
3. Place Arm Assembly (C) into position on end of Hex Bolt.
4. Ensure that the Arm Assembly is above the Brace.
5. Hold Hex Nut ( $\frac{1}{4}$ -20) (D) flat against Arm Assembly (C).
6. Begin turning Hex Bolt to thread bolt into Arm Assembly (C) and Hex Nut (D).



### STEP 5: Adjust Lever

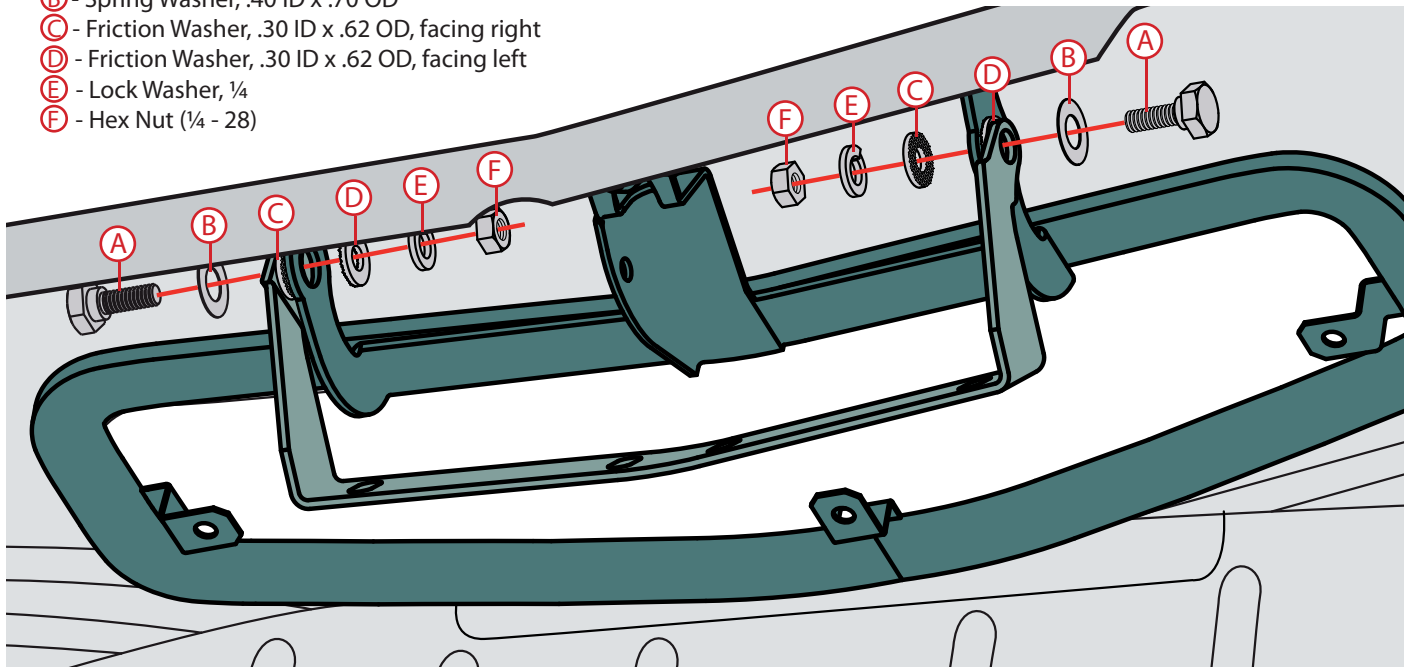
1. Tighten Hex Nuts. The Assembly Arm and Lever should be able to move smoothly, but all pieces should fit together tightly.
2. If necessary, remove and replace Rivet (E) which holds Arm Assembly (shown (C) above) together.

## INSTRUCTIONS (Continued)

### STEP 6: Attach Deflector Hinge to Cowl Hinge

1. Attach Deflector Hinge to Cowl Hinge, finger tight. Use the following hardware:

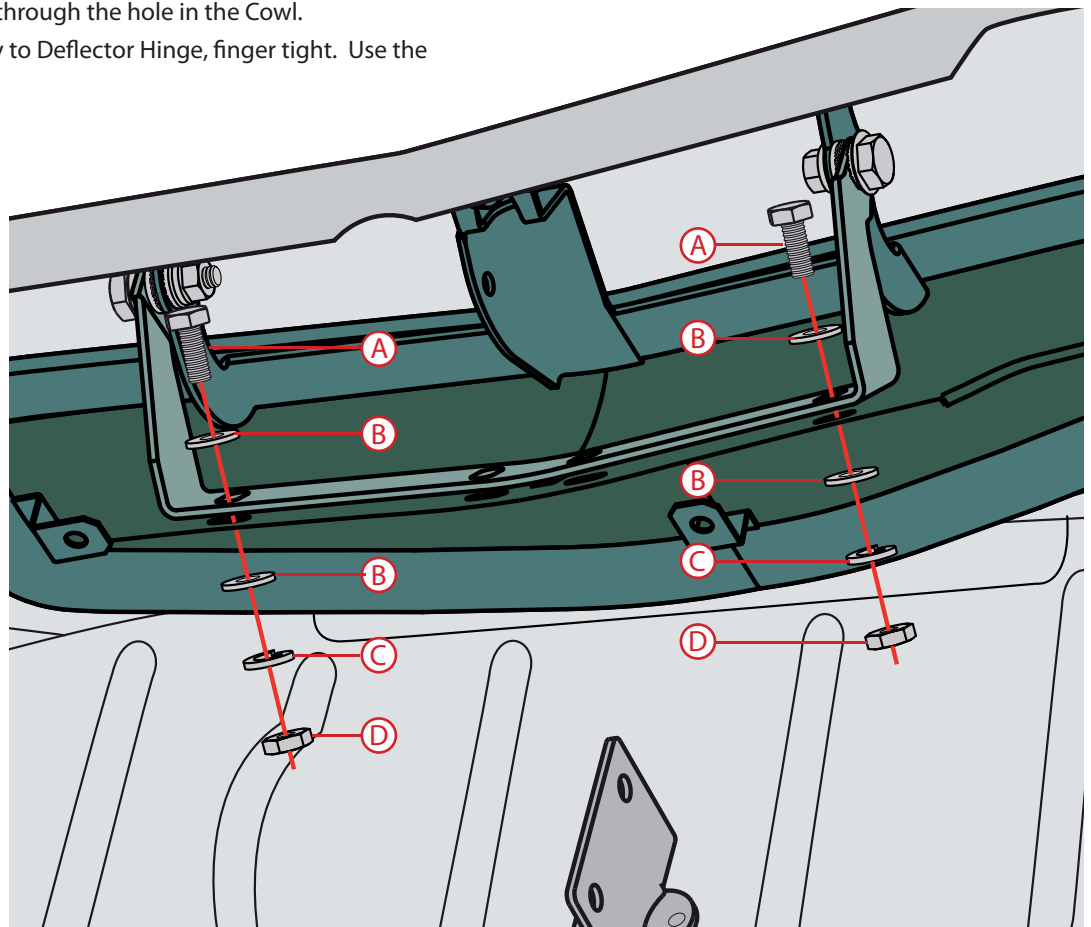
- (A) - Hex Shoulder Bolt, 1/4 - 28 x .80
- (B) - Spring Washer, .40 ID x .70 OD
- (C) - Friction Washer, .30 ID x .62 OD, facing right
- (D) - Friction Washer, .30 ID x .62 OD, facing left
- (E) - Lock Washer, 1/4
- (F) - Hex Nut (1/4 - 28)



### STEP 7: Attach Deflector Assembly to Deflector Hinge

1. Drop Deflector Assembly through the hole in the Cowl.
2. Attach Deflector Assembly to Deflector Hinge, finger tight. Use the following hardware:

- (A) - Hex Bolt, 1/4 - 20 x 5/8
- (B) - Flat Washer, 1/4
- (C) - Split Lock Washer, 1/4
- (D) - Hex Nut, 1/4 - 20



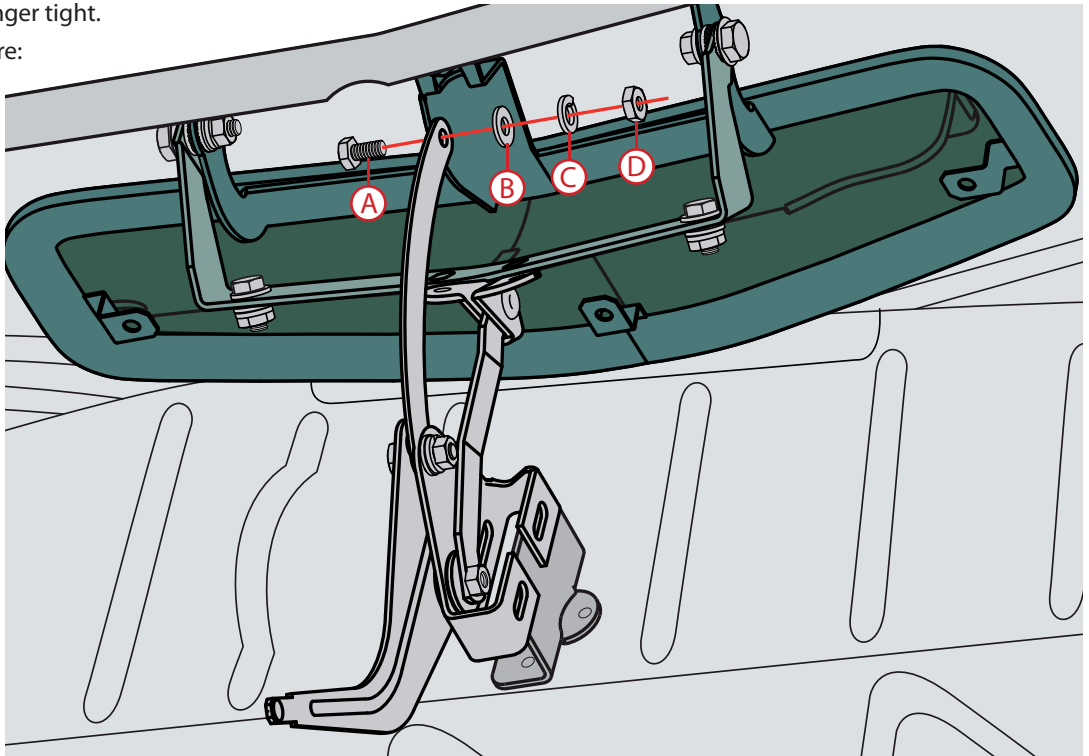
## INSTRUCTIONS (Continued)

### STEP 8: Attach Handle Brace to Windshield Reinforcement Bracket

1. Attach Handle Brace to Windshield Reinforcement Bracket, finger tight.

2. Use the following hardware:

- (A) - Hex Bolt, 1/4 - 20 x 5/8
- (B) - Flat Washer, 1/4
- (C) - Split Lock Washer, 1/4
- (D) - Hex Nut, 1/4 - 20

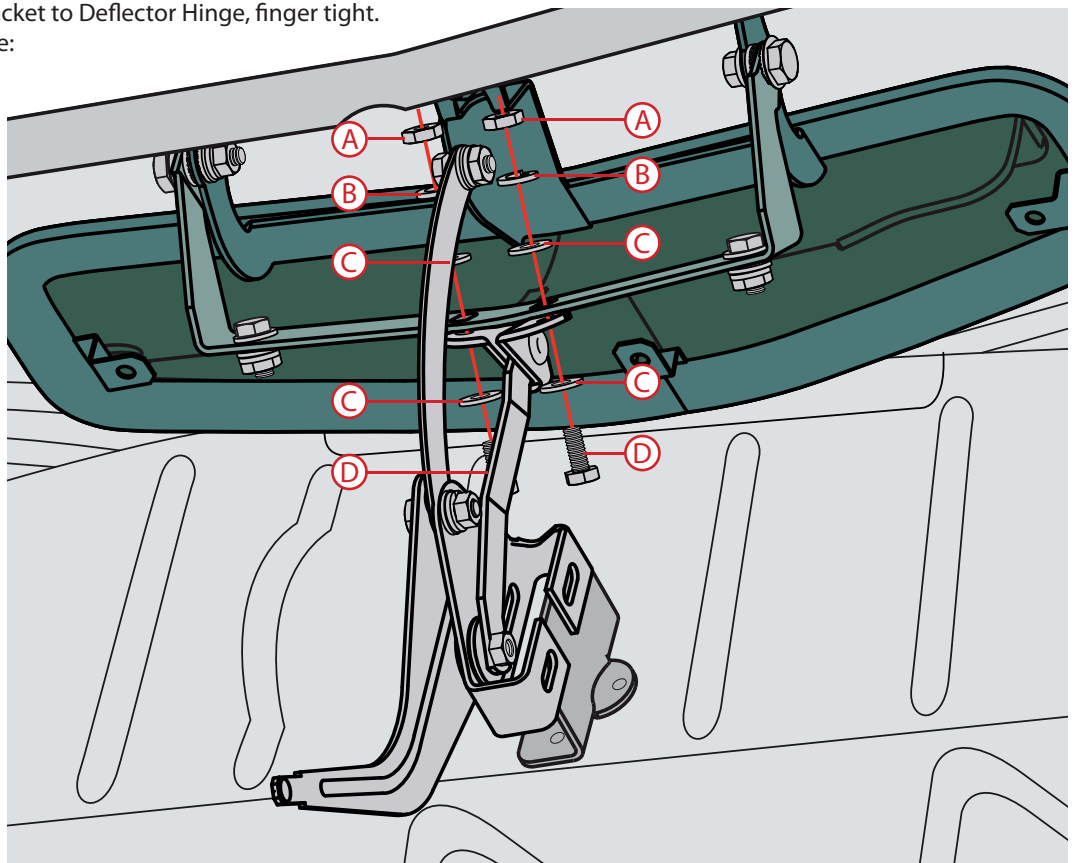


### STEP 9: Attach Handle Support Bracket to Deflector Hinge

1. Attach Handle Support Bracket to Deflector Hinge, finger tight.

Use the following hardware:

- (A) - Hex Nut, 1/4 - 20
- (B) - Split Lock Washer, 1/4
- (C) - Flat Washer, 1/4
- (D) - Hex Bolt, 1/4 - 20 x 5/8



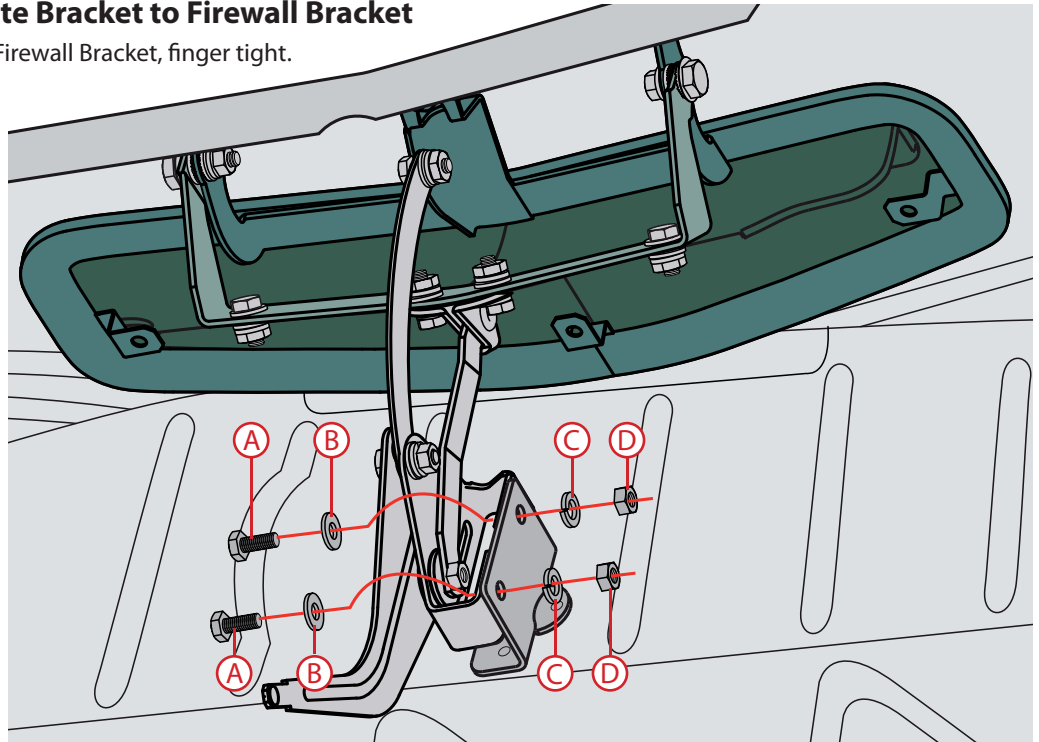
## INSTRUCTIONS (Continued)

### STEP 10: Attach Pivot Plate Bracket to Firewall Bracket

1. Attach Pivot Plate Bracket to Firewall Bracket, finger tight.

Use the following hardware:

- (A) - Hex Bolt,  $\frac{1}{4}$  - 28 x 5/8
- (B) - Flat Washer,  $\frac{1}{4}$
- (C) - Split Lock Washer,  $\frac{1}{4}$
- (D) - Hex Nut,  $\frac{1}{4}$  - 28



### STEP 11: Final Adjustments

1. Cowl Vent Gasket should be installed and laying smooth before making final adjustments, as it may effect the height of the Cowl Vent Lid.
2. Adjust brackets to ensure Cowl Vent Lid is smooth and level with cowl from the exterior.
3. Tighten all hardware, ensuring that Cowl Vent Lever can move smoothly yet be left in any position. Be careful not to over tighten pivot points.

