

**Title:** Key Fob Trim and Shim

**Type:** Technical Service Bulletin

**Year:** 2019

**Applicability:** Revero (All)

**System:** Electrical (90)

**Market Region:** All

**Sequence:** 01

**First Release Rev:** 0.1

**PURPOSE:** Perform the trim and shim operation upon initial key fob battery replacement. Whenever possible, please advise the customer to supply both vehicle key fobs to make sure this procedure is performed on both key fobs.

**NOTE:** For general concerns related to key fob operation and troubleshooting, continue referring to **SC-18-90-01**.

On some key fobs, it may be necessary to shim the battery to ensure best fit and proper contact of the battery with the terminals. If after installing a new key fob battery, any fobs which are still exhibiting intermittent operation, or displaying similar concerns, may be restored to proper functionality by performing a simple shimming procedure to the battery, as shown below.

**PROCESS OVERVIEW:**

1. Remove the battery tray from the key fob, as shown in Figure 1.



2. Remove the battery from the tray and locate the side with "CR2032" and a Negative (-) symbol marked on it (Fig. 2).



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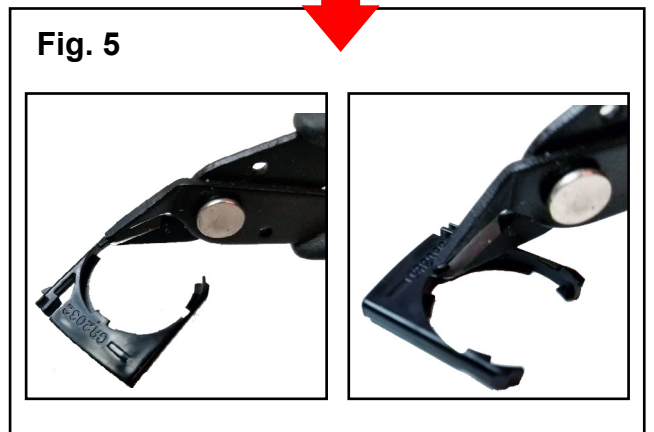
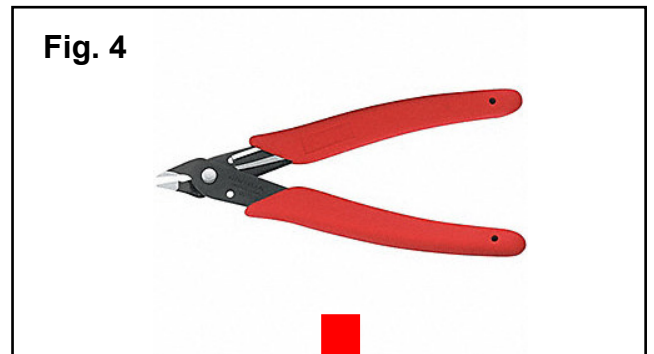
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3. Locate three (3) small tabs on the battery tray, as shown in Figure 3.



4. To ensure proper battery fit in the tray after the shims have been applied, use a set of flush-cut pliers (Fig. 4) to remove three (3) tabs from the battery tray, as shown in Figure 5.



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5. Use two (2) round stickers as shims, such as Avery color coding labels (5472) in 3/4" size (Fig.6).

**NOTE:** The shim(s) should add a maximum of 0.25mm to the height of the battery. Overall height should NOT exceed 0.30mm.

6. Place one (1) or two (2) shims over the Positive (+) terminal (flat-side) of the battery, as shown in (Fig. 7), as required.

7. Reinstall the battery onto the tray (Fig. 8).

8. Replace the tray in the key fob and test the key fob, again, to verify proper function.

**Fig. 6**



**Fig. 7**



**Fig. 8**



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**PARTS REQUIRED:**

PART NUMBER	DESCRIPTION	QUANTITY
C161194800100	Key Fob Battery	1

**SHOP SUPPLIES:**

DESCRIPTION
N/A

**SPECIAL TOOLS:**

DESCRIPTION
N/A

**CAUSAL PART:**

PART NUMBER	DESCRIPTION
C131194800102	Key Fob

**LABOR CODES:**

CODE	DESCRIPTION	TIME	DEFECT CODE
90-40-12-06	Key Fob Trim and Shim - 1 Fob	0.3	90-40-12-33
90-40-12-07	Key Fob Trim and Shim - 2 Fobs	0.5	

**SUBLET:**

CODE	DESCRIPTION	AMOUNT
N/A		

**WARRANTY DISPOSITION:** This repair is covered under the New Vehicle Limited Warranty, in effect for five (5) years from the in-service date with no mileage limitation.

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