

CERTAIN 2018 EDGE AND MKX, AND 2019 FLEX AND MKT VEHICLES

OVERVIEW

In some of the affected vehicles, the generator and starter motor cable nuts may be cross-threaded or may not be fully tightened. An improperly fastened generator or starter motor cable nut increases the potential for electrical arcing, which could lead to a fire. The customer may experience a warning message in the instrument cluster or a vehicle no-start condition. Before demonstrating or delivering any new in-stock vehicles involved in this safety recall, dealers are to inspect the generator and starter motor cable nuts and studs for damage, and verify that the nuts are properly torqued using a torque wrench.

SERVICE PROCEDURE

NOTE: If a generator or starter motor cable stud or nut is damaged, replace the damaged components following the Workshop Manual procedures.

Edge 2.0L Vehicles

1. Disconnect the battery. Please refer to Workshop Manual (WSM) procedures in section 414-01.
2. Remove the appearance cover from the engine. See Figure 1.

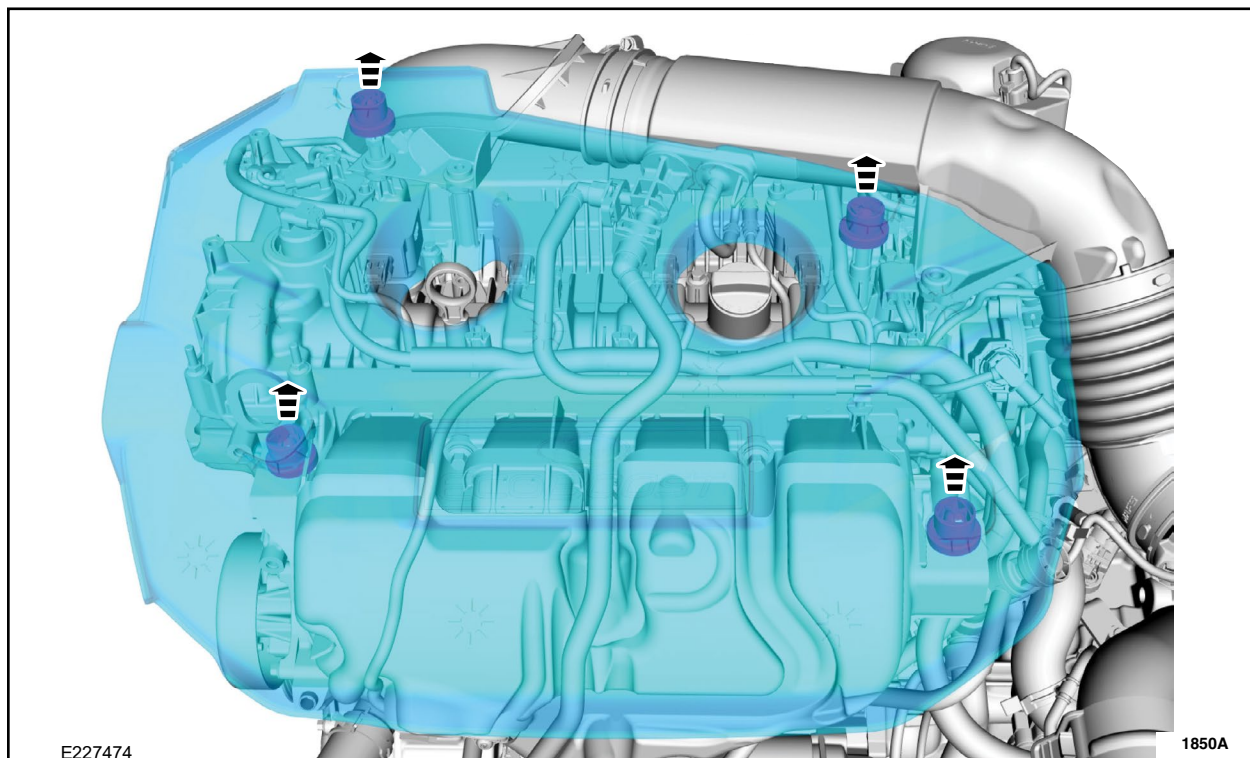


FIGURE 1



3. Remove the starter motor ground cable nut and disconnect the ground cable, detach the cooling hose retainer from the starter motor stud bolt. See Figure 2.

- Torque to 159 lb.in (18 Nm).

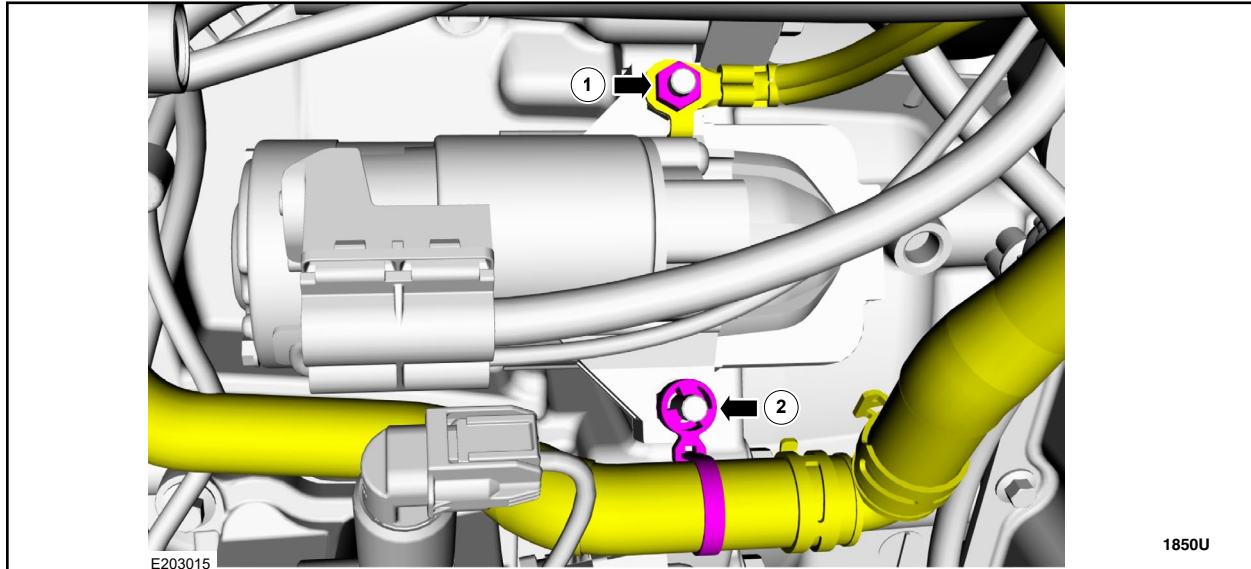


FIGURE 2

4. Remove the starter motor stud bolts and then position the starter motor to gain access to the starter motor battery positive cable nut and starter motor control wire nut. See Figure 3.

- Torque to 35 lb.ft (48 Nm).

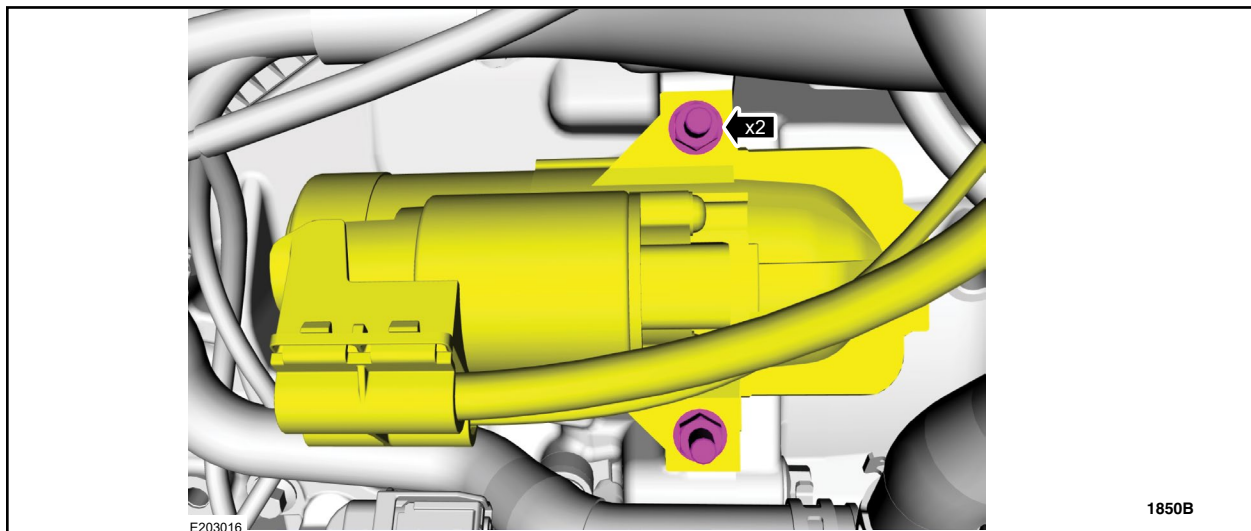


FIGURE 3



5. Inspect the starter motor battery positive cable nut and stud and the starter control wire nut and stud for cross threading or damage and torque both nuts. See Figure 4.

- Battery positive cable: Torque to 106 lb.in (12 Nm).
- Starter motor control wire: Torque to 53 lb.in (6 Nm).

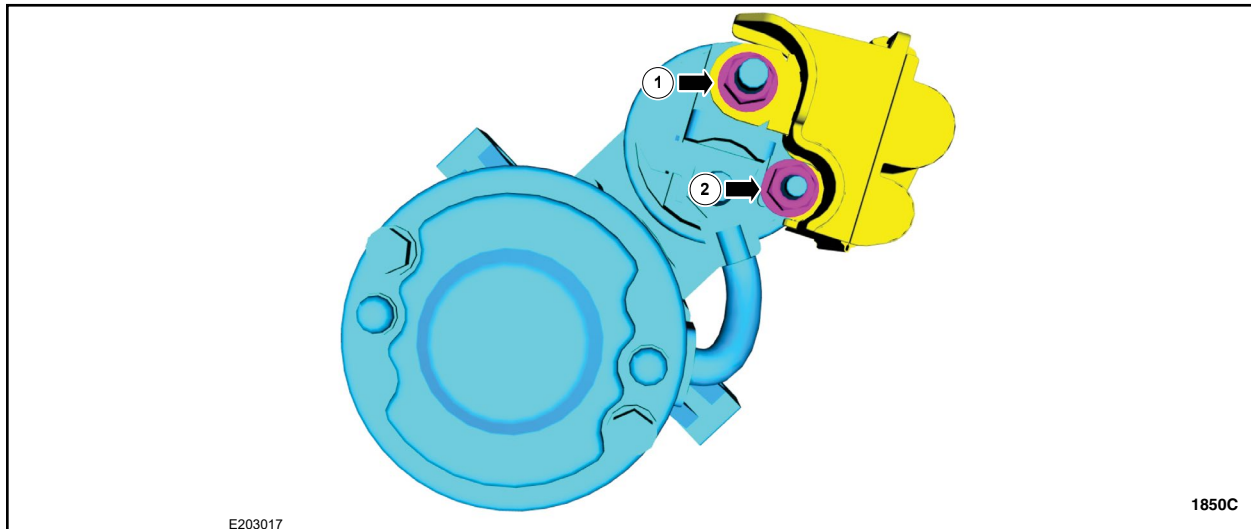


FIGURE 4

6. Inspect the generator battery positive cable nut and stud for cross threading and torque the nut. See Figure 5.

- Torque to 150 lb.in (17 Nm).

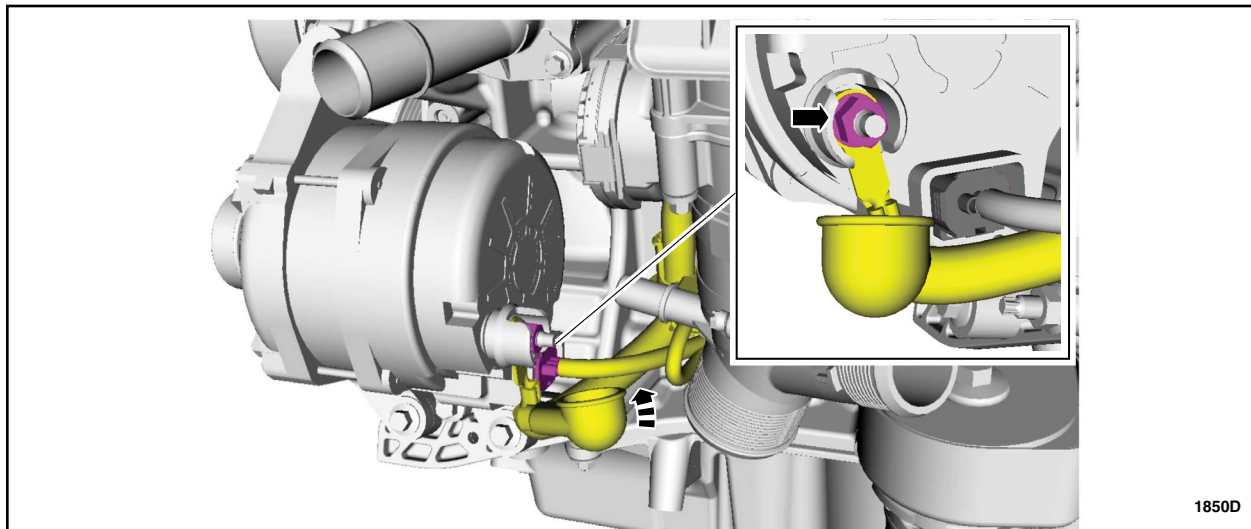


FIGURE 5

7. Install by reversing the removal steps.

8. Reconnect the battery. Please refer to Workshop Manual (WSM) procedures in section 414-01.



Edge 2.7L Vehicles

1. Disconnect the battery. Please refer to Workshop Manual (WSM) procedures in section 414-01.
2. Recover the A/C refrigerant. Please refer to Workshop Manual (WSM) procedures in section 412-00.
3. Disconnect the A/C compressor inlet line nut, disconnect the fitting and position aside the A/C compressor inlet line to gain access to the battery positive cable nut on the generator. See Figure 6.

NOTE: Install new O ring seals. Use Motorcraft PAG Refrigerant Compressor Oil YN-12-D (WSH-M1C231-B).

- Torque to 159 lb.in (18 Nm).

NOTICE: Only use specified material to lubricate the seals.

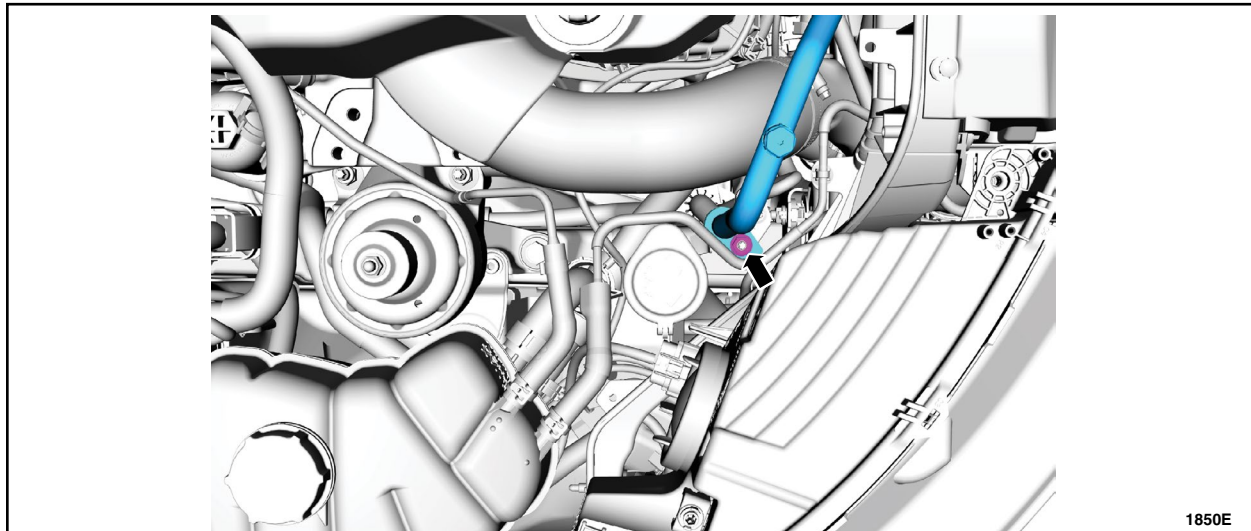


FIGURE 6



4. Remove the wiring harness clips to gain access to the battery positive cable nut on the generator.
See Figure 7.



FIGURE 7

5. Inspect the generator battery positive cable nut and stud for cross threading and torque the nut.
See Figure 8.

- Torque to 150 lb.in (17 Nm).

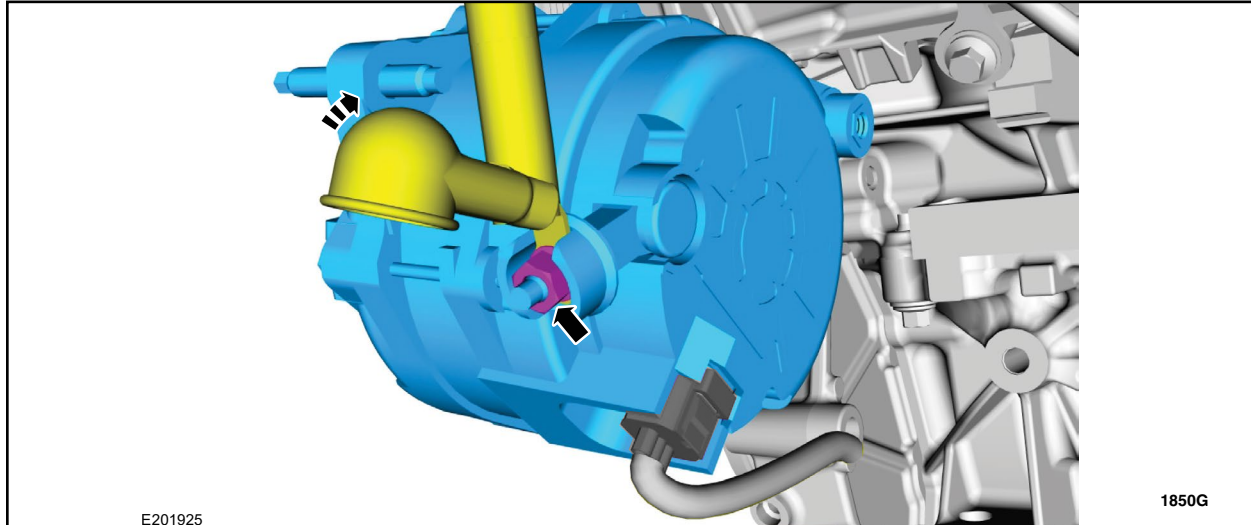


FIGURE 8



6. Remove the air cleaner. Please refer to WSM procedures in section 303-12B.
7. Inspect the starter motor battery positive cable nut and stud for cross threading or damage and torque the nut. See Figure 9.
 - Torque to 106 lb.in (12 Nm).

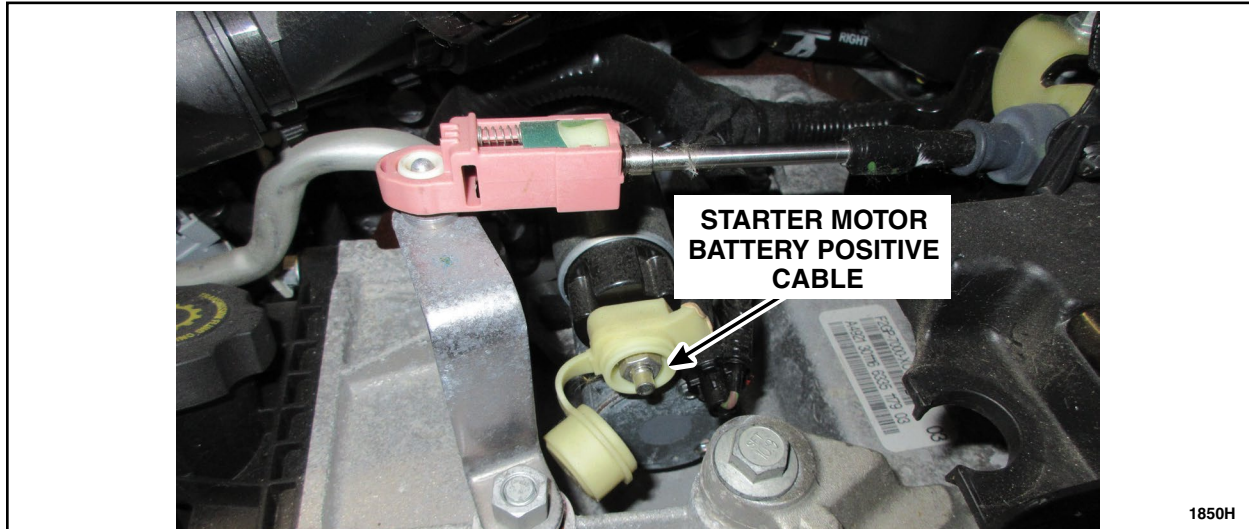


FIGURE 9

8. Install by reversing the removal steps.
9. Reconnect the battery. Please refer to Workshop Manual (WSM) procedures in section 414-01.



Flex 3.5L Cyclone Vehicles

1. Disconnect the battery. Please refer to Workshop Manual (WSM) procedures in section 414-01.
2. Remove the upper half of the air cleaner. See Figure 10.

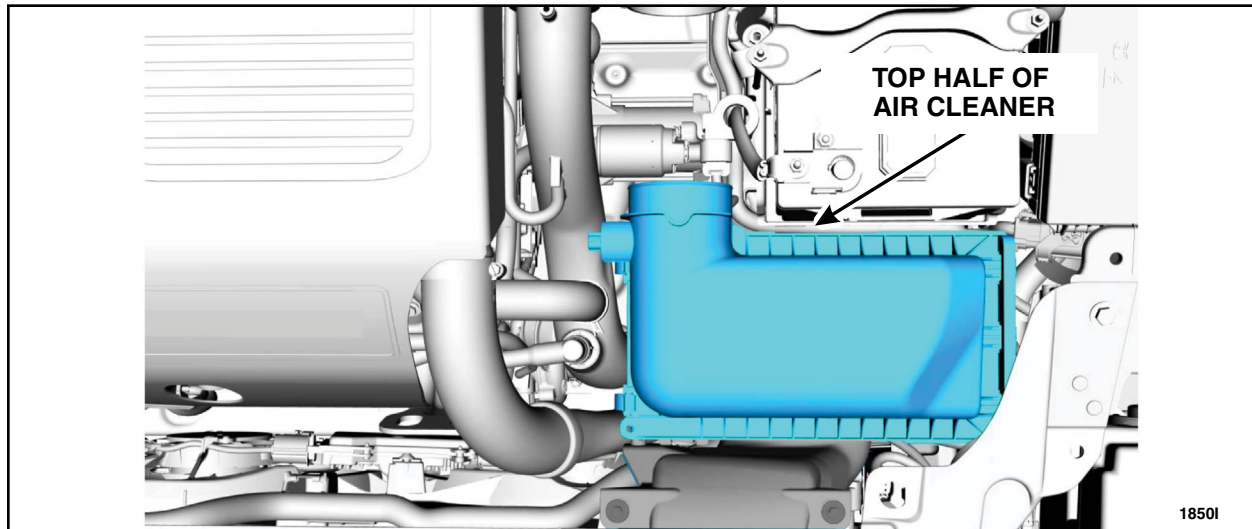


FIGURE 10

3. Disconnect the selector lever cable from the transmission controller arm. See Figure 11.

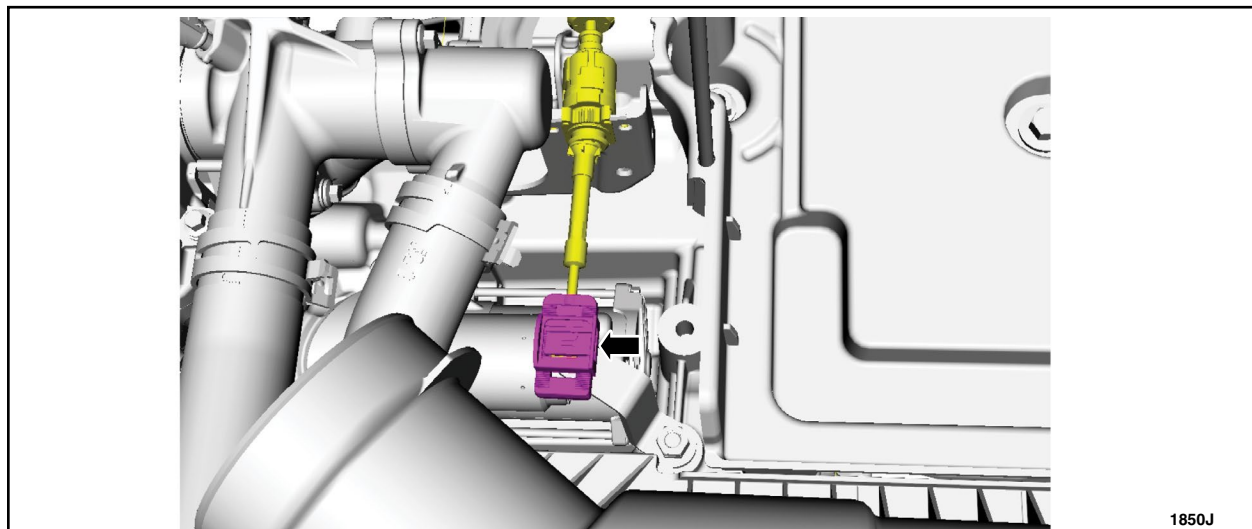


FIGURE 11



4. Inspect the starter motor battery positive cable nut and stud and the starter control wire nut and stud for cross threading or damage and torque both nuts. See Figure 12.

- Battery positive cable: Torque to 106 lb.in (12 Nm).
- Starter motor control wire: Torque to 53 lb.in (6 Nm).

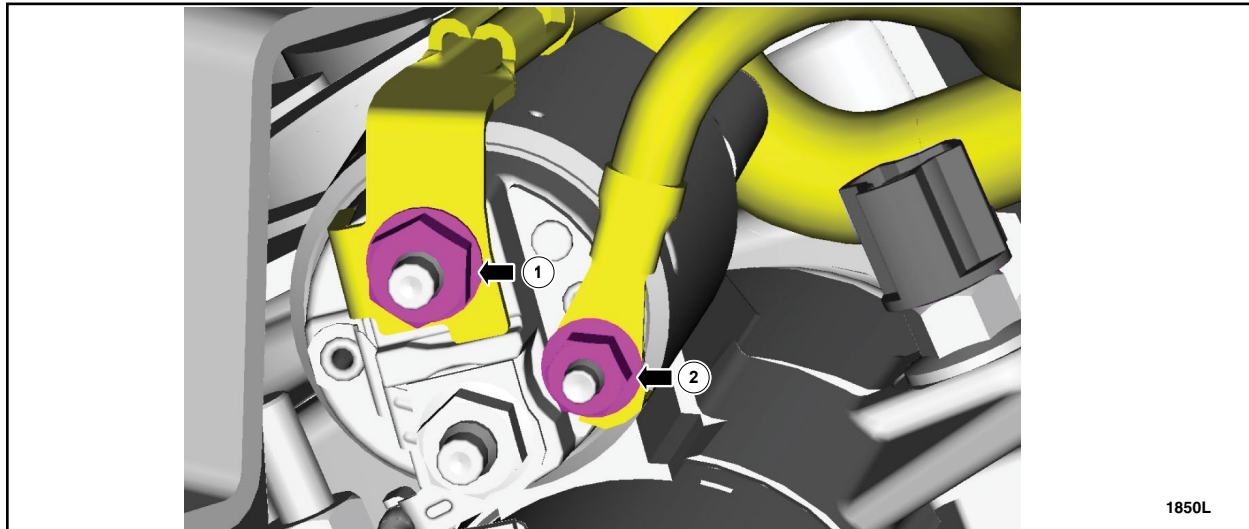


FIGURE 12

5. Inspect the generator battery positive cable nut and stud for cross threading and torque the nut. See Figure 13.

- Torque to 150 lb.in (17 Nm).

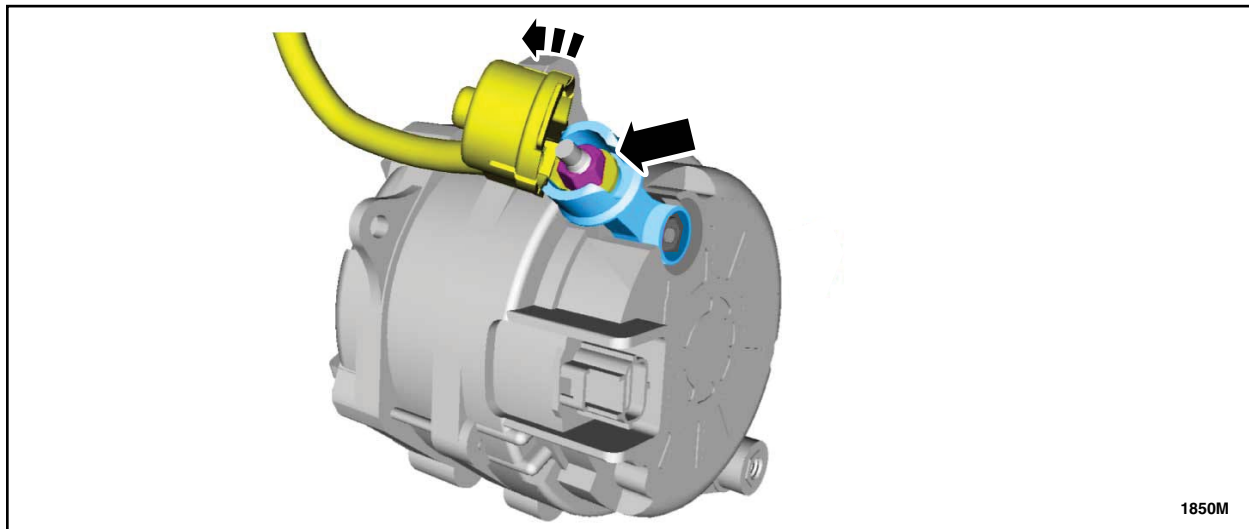


FIGURE 13

6. Install by reversing the removal steps.

7. Reconnect the battery. Please refer to Workshop Manual (WSM) procedures in section 414-01.



Flex and MKT 3.5L GTDI Vehicles

1. Disconnect the battery. Please refer to Workshop Manual (WSM) procedures in section 414-01.
2. Remove the upper half of the air cleaner. See Figure 14.

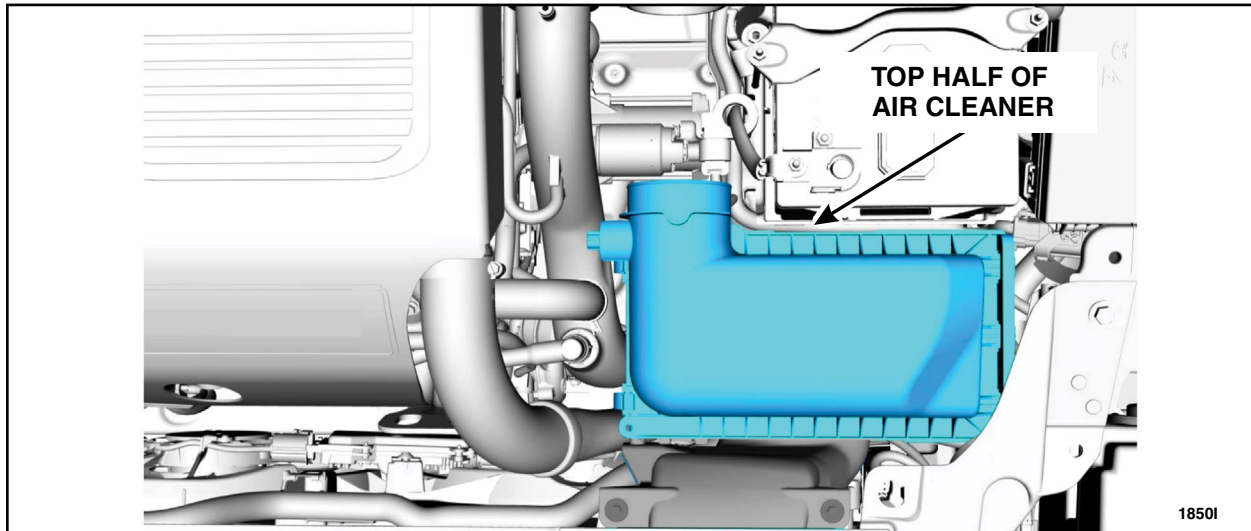


FIGURE 14

3. Inspect the starter motor battery positive cable nut and stud and the starter control wire nut and stud for cross threading or damage and torque both nuts. See Figure 15.
 - Battery positive cable: Torque to 106 lb.in (12 Nm).
 - Starter motor control wire: Torque to 53 lb.in (6 Nm).

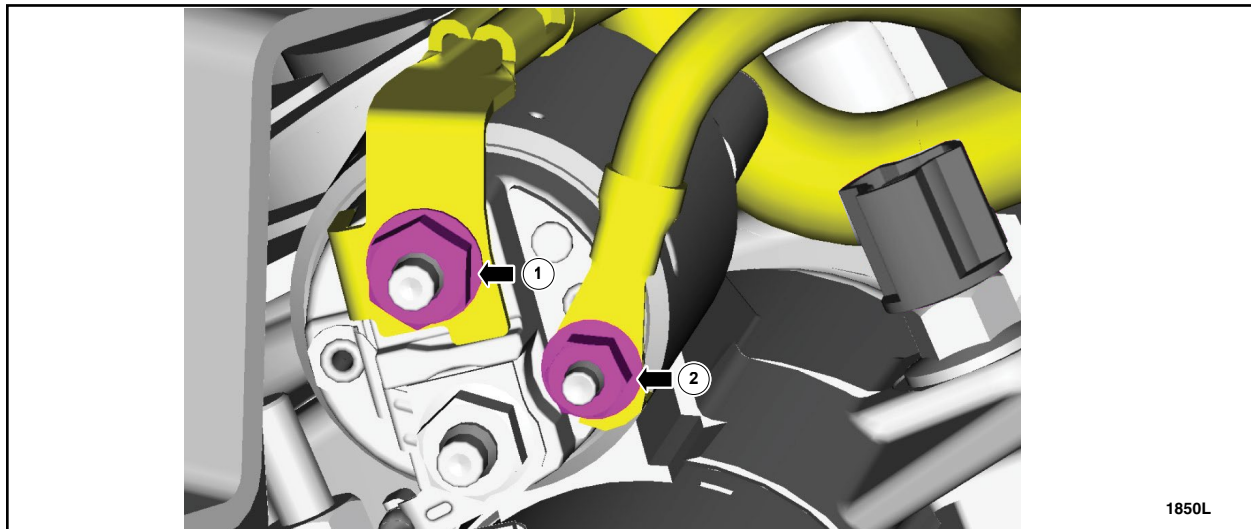


FIGURE 15



4. Disconnect the inline connector to gain access to the battery positive cable nut on the generator.
See Figure 16.

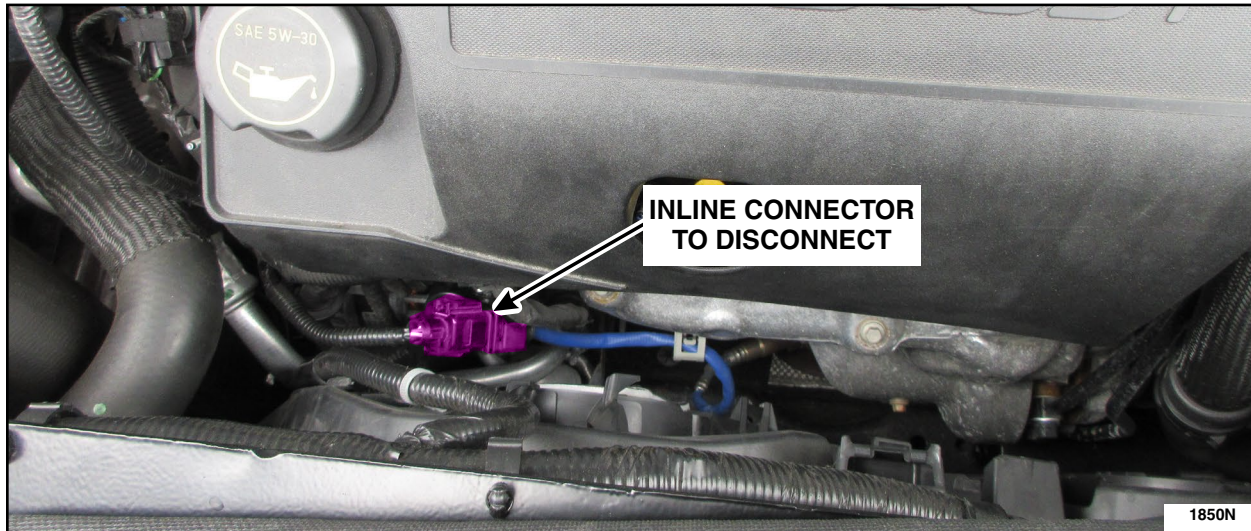


FIGURE 16

5. Inspect the generator battery positive cable nut and stud for cross threading and torque the nut.
See Figure 17.

- Torque to 150 lb.in (17 Nm).

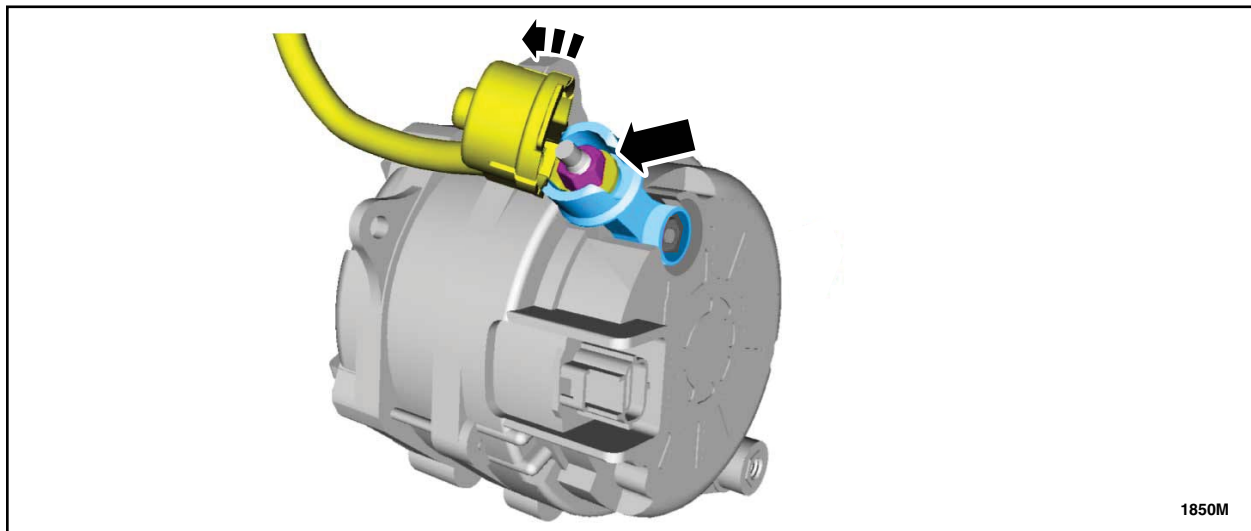


FIGURE 17

6. Install by reversing the removal steps.
7. Reconnect the battery. Please refer to Workshop Manual (WSM) procedures in section 414-01.



Edge 3.5L Cyclone and MKX 3.7L TiVCT Vehicles

1. Disconnect the battery. Please refer to Workshop Manual (WSM) procedures in section 414-01.
2. Remove the air cleaner. See Figure 18.

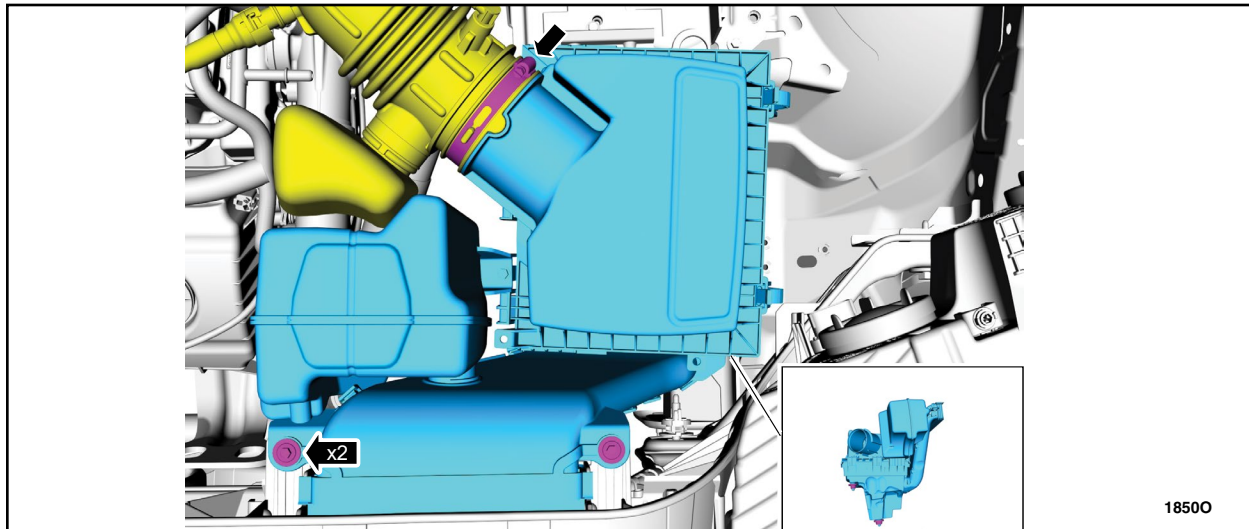


FIGURE 18

3. Inspect the generator battery positive cable nut and stud for cross threading and torque the nut. See Figure 19.

- Torque to 150 lb.in (17 Nm).

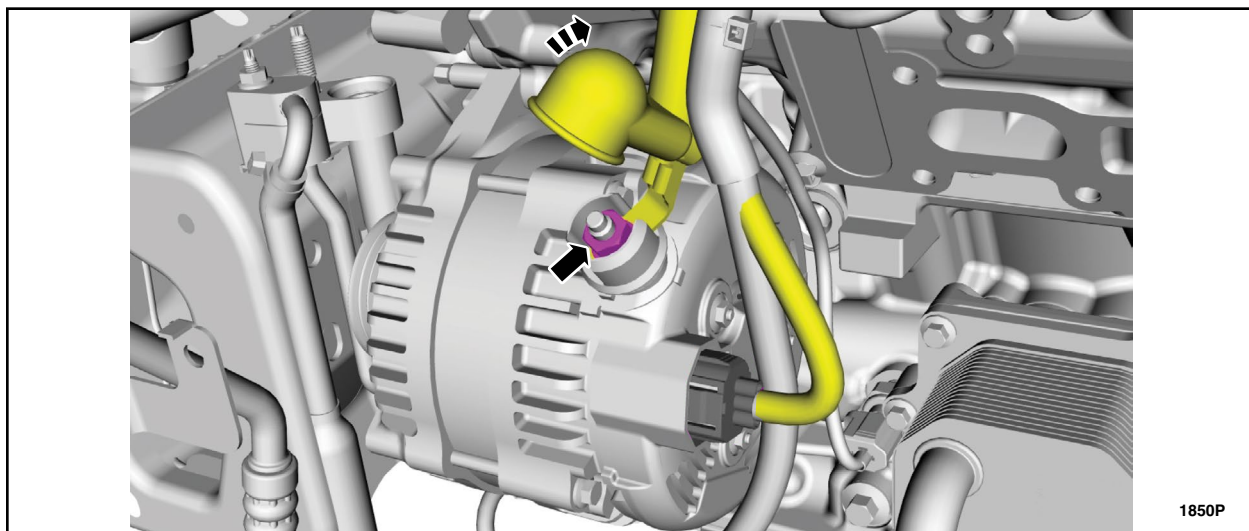


FIGURE 19



4. Inspect the starter motor battery positive cable nut and stud and the starter control wire nut and stud for cross threading or damage and torque both nuts. See Figure 20.

- Torque to 106 lb.in (12 Nm).
- Torque to 55 lb.in (6.2 Nm).

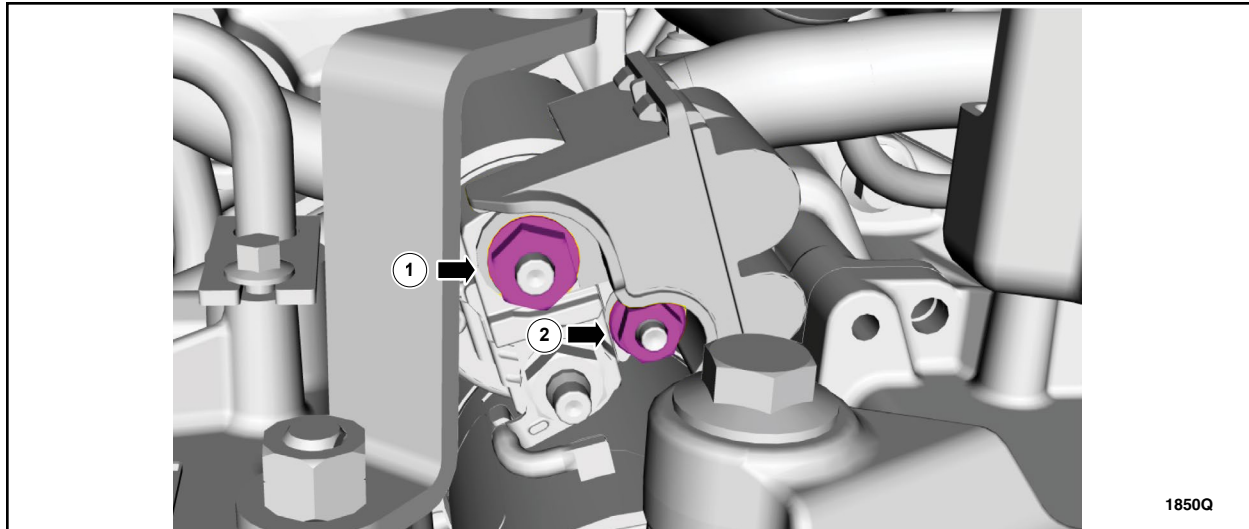


FIGURE 20

5. Install by reversing the removal steps.

6. Reconnect the battery. Please refer to Workshop Manual (WSM) procedures in section 414-01.

