

Service Manual: GENERATOR AND REGULATOR

SPECIFICATIONS > SPECIFICATIONS

General Specifications

Item	Specification
2.3L EcoBoost 175A (base)	
Generator pulley ratio	2.47:1
Rating	90 amps at 700 RPM (min) to 155 amps at 2, 400 RPM (max)
Voltage regulator type	Electronic internal with generator
2.3L EcoBoost - 200A (optional)	
Generator pulley ratio	2.47:1
Rating	110 amps at 700 RPM (min) to 185 amps at 2, 400 RPM (max)
Voltage regulator type	Electronic internal with generator
3.7L Ti-VCT - 175A (base)	
Generator pulley ratio	2.69:1
Rating	100 amps at 650 RPM (min) to 160 amps at 2, 200 RPM (max)
Voltage regulator type	Electronic internal with generator
5.0L Ti-VCT - 175A (base)	
Generator pulley ratio	2.47:1
Rating	70 amps at 600 RPM (min) to 155 amps at 2, 400 RPM (max)
Voltage regulator type	Electronic internal with generator
5.0L Ti-VCT - 200A (optional)	
Generator pulley ratio	2.47:1
Rating	80 amps at 600 RPM (min) to 185 amps at 2, 400 RPM (max)
Voltage regulator type	Electronic internal with generator

REMOVAL AND INSTALLATION > GENERATOR - 2.3L ECOBOOST (201KW 273PS) > REMOVAL

NOTE: Removal steps in this procedure may contain installation details.

1.

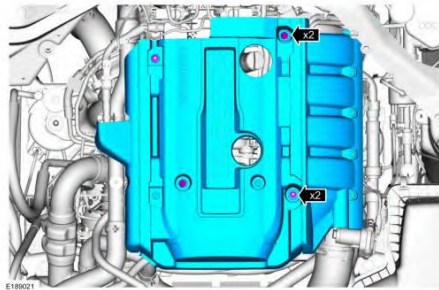
Disconnect the battery ground. Refer to: Battery Disconnect and Connect .

2.

Remove the bolts and nuts and the engine appearance cover.

Torque

: 80 lb.in (9 Nm)



3.

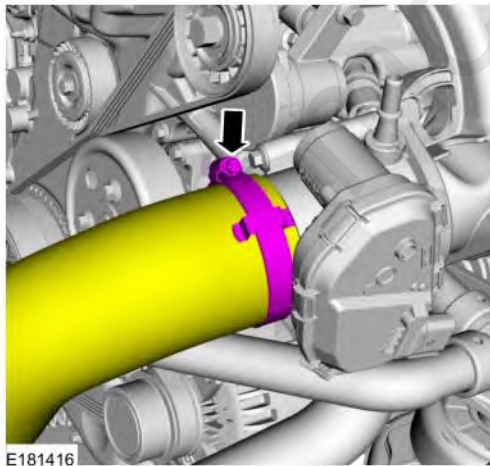
Remove the air cleaner. Refer to: Air Cleaner .

4.

Loosen the clamp and position aside the CAC outlet tube.

Torque

: 44 lb.in (5 Nm)



5.

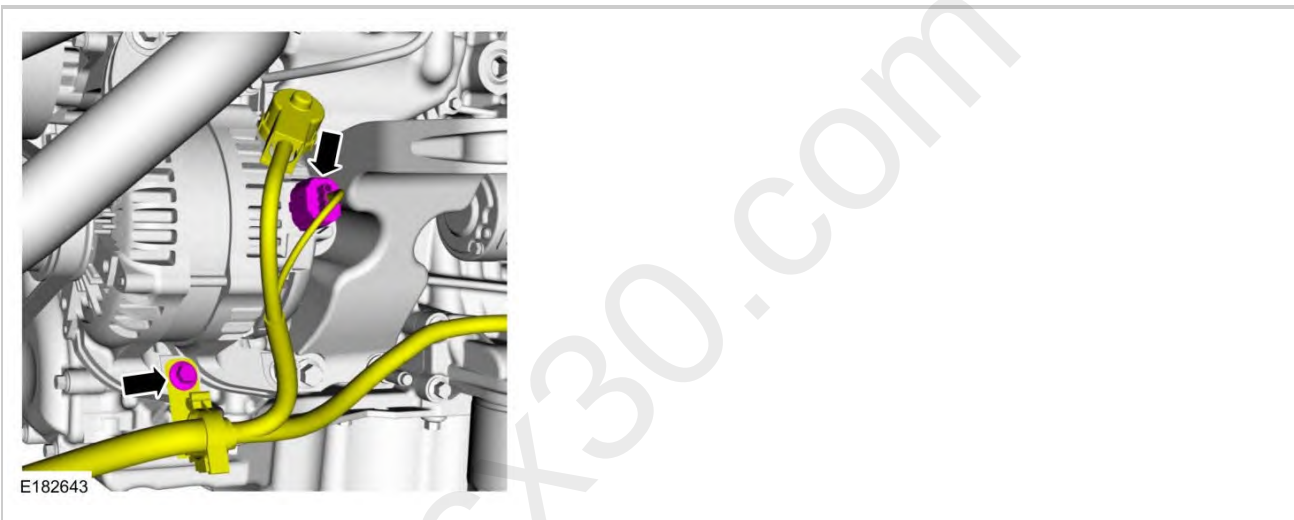
Rotate the accessory drive belt tensioner counterclockwise and position aside the accessory drive belt.



6.

Remove the bolt and the wire harness retainer from the generator.

Disconnect the generator electrical connector.



7.

Position the protective cover aside.

 **NOTE:** When installing the B+ terminal nut to the generator, finger-start the nut before tightening or component damage may occur.

Remove the nut and position the B+ cable.

Torque

: 159 lb.in (18 Nm)