

Component Procedures: Knock Sensor

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Component Procedures: Knock Sensor

Parts and Labor (itype_189)

Parts

Qualifier	Part #	Name	Price	Note
Knock Sensor	12605738	Knock Sensor	34.78	

Labor

Operation	Qualifier Path	Skill	Std Hrs	Wty Hrs
Remove & Replace	Powertrain Control > Knock Sensor, R&R > One ?	B	0.5	0.3
Remove & Replace	Powertrain Control > Knock Sensor, R&R > Both?	B	0.7	0.0

Knock Sensor Replacement - Bank 1 (Article 11452)

Callout Component Name

Preliminary Procedures Raise and support the vehicle. Refer to Lifting and Jacking the Vehicle .

Preliminary Procedures

Raise and support the vehicle. Refer to Lifting and Jacking the Vehicle .

1 Heat Shield Fastener (Qty: 3) Caution: Refer to Fastener Caution .

2 Heat Shield

3 Knock Sensor Fastener Tighten 23 Nm (17 lb ft)

23 Nm (17 lb ft)

4 Knock Sensor Procedure Disconnect the knock sensor electrical connector.

Procedure

Disconnect the knock sensor electrical connector.

Knock Sensor Replacement - Bank 2 (Article 11453)

Removal Procedure

- When major components are removed from the vehicle and the vehicle is supported by a hoist, support the vehicle with jack stands at the opposite end from which the components are being removed and strap the vehicle to the hoist.

- When performing work in the engine compartment or under the vehicle, ensure that the hood is fully open, or opened to its secondary latch. When the hood is opened to the secondary latch, the vehicle will disable the remote start features from the key fob and OnStar mobile app. Failure to open the hood, or open the hood to the secondary latch while doing a repair in the engine compartment or under the vehicle can result in inadvertent vehicle starting which could result in personal injury or damage to a vehicle.

- Raise and support the vehicle. Refer to Lifting and Jacking the Vehicle . Click for full-size image

- Disconnect the wiring harness retaining clip.

- Remove the knock sensor electrical connector (3) from the knock sensor (2). Click for full-size image

- Remove the sensor retaining bolt (1).

Installation Procedure

- Install the knock sensor (2) to the engine block and tighten the retaining bolt (1) to 23 Nm (17 lb ft) .

Click for full-size image

- Install the knock sensor electrical (3) connector to the KS.

- Lower the vehicle.