

Component Procedures: Catalytic Converter

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Component Procedures: Catalytic Converter

Parts and Labor (itype_189)

Parts

Qualifier	Part #	Name	Price	Note
Catalytic Converter > Right	22980286	Catalytic Converter	701.23	
Catalytic Converter > Left	22980285	Catalytic Converter	636.00	

Labor

Operation	Qualifier Path	Skill	Std Hrs	Wty Hrs
Remove & Replace	Exhaust System > Catalytic Converter, R&R > L?	B	0.5	0.4
Remove & Replace	Exhaust System > Catalytic Converter, R&R > R?	B	0.6	0.5

Catalytic Converter Replacement - Left Side (LFX) (Article 11976)

Callout Component Name

Warning: Refer to Exhaust Service Warning . Preliminary Procedure Disconnect the oxygen sensor electrical connectors.

Preliminary Procedure

Disconnect the oxygen sensor electrical connectors.

1 Caution: Refer to Fastener Caution . Exhaust Muffler Clamp Fasteners (Qty: 2) Tighten 48 Nm (35 lb ft) 48 Nm (35 lb ft)

2 Catalytic Converter Nuts (Qty: 4) Warning: Refer to Hot Exhaust System Warning . Procedure Disconnect the oxygen sensor electrical connector. Replace the exhaust front pipe nuts and the gasket with new ones. Clean and inspect the studs on the engine cylinder head , replace as necessary. Verify that the studs are fully seated. Stud collar should touch the surface of the engine cylinder head. Tighten nuts in a criss-cross pattern. Tighten First Pass: 20 Nm (15 lb ft) Final Pass: 46 Nm (34 lb ft)

Procedure

- Disconnect the oxygen sensor electrical connector.
- Replace the exhaust front pipe nuts and the gasket with new ones.
- Clean and inspect the studs on the engine cylinder head , replace as necessary.
- Verify that the studs are fully seated. Stud collar should touch the surface of the engine cylinder head.
- Tighten nuts in a criss-cross pattern.
- First Pass: 20 Nm (15 lb ft)
- Final Pass: 46 Nm (34 lb ft)

3 Gasket Tip: If replacing catalytic converter,transfer oxygen sensor. Improperly installed and/or leaking exhaust manifold gaskets may affect vehicle emissions and/or On-Board Diagnostics (OBD) II system performance.

- If replacing catalytic converter,transfer oxygen sensor.
- Improperly installed and/or leaking exhaust manifold gaskets may affect vehicle emissions and/or On-Board Diagnostics (OBD) II system performance.

4 Catalytic Converter

Catalytic Converter Replacement - Left Side (V8) (Article 11977)

Callout Component Name

Preliminary Procedure Raise and support the vehicle. Refer to Lifting and Jacking the Vehicle . Remove the oxygen sensor s. Refer to Heated Oxygen Sensor Replacement - Bank 2 Sensor 1 and Heated Oxygen Sensor Replacement - Bank 2 Sensor 2 .

Preliminary Procedure

- Raise and support the vehicle. Refer to Lifting and Jacking the Vehicle .
- Remove the oxygen sensor s. Refer to Heated Oxygen Sensor Replacement - Bank 2 Sensor 1 and Heated Oxygen Sensor Replacement - Bank 2 Sensor 2 .

1 Nut (Qty: 2) Warning: Refer to Hot Exhaust System Warning . Caution: Refer to Fastener Caution . Tip: Remove the nuts from above the engine compartment. If replacing the catalytic converter , transfer the oxygen sensors over to the new catalytic converter. Tighten 48 Nm (35 lb ft)

- Remove the nuts from above the engine compartment.
- If replacing the catalytic converter , transfer the oxygen sensors over to the new catalytic converter.

48 Nm (35 lb ft)

2 Clamp Tighten 48 Nm (35 lb ft)

3 Three-way Catalytic Converter

Catalytic Converter Replacement - Right Side (LFX) (Article 11978)

Callout Component Name

Warning: Refer to Exhaust Service Warning . Preliminary Procedure Disconnect the oxygen sensor electrical connectors.

Preliminary Procedure

Disconnect the oxygen sensor electrical connectors.

1 Exhaust Muffler Clamp Fastener (Qty: 2) Caution: Refer to Fastener Caution . Tighten 48 Nm (35 lb ft) 48 Nm (35 lb ft)

2 Catalytic Converter Nut (Qty: 4) Procedure Replace nuts and gasket with new ones. Clean and inspect the studs on the engine cylinder head , replace as necessary. Verify that the studs are fully seated. Stud collar should touch the surface of the engine cylinder head. Tighten nuts in a criss-cross pattern. Tighten First Pass: 20 Nm (15 lb ft) Final Pass: 46 Nm (34 lb ft)

Procedure

- Replace nuts and gasket with new ones.
- Clean and inspect the studs on the engine cylinder head , replace as necessary.
- Verify that the studs are fully seated. Stud collar should touch the surface of the engine cylinder head.
- Tighten nuts in a criss-cross pattern.
- First Pass: 20 Nm (15 lb ft)
- Final Pass: 46 Nm (34 lb ft)

3 Gasket Note: Improperly installed and/or leaking exhaust manifold gaskets may affect vehicle emissions and/or On-Board Diagnostics (OBD) II system performance.

4 Catalytic Converter Note: If replacing the catalytic converter, transfer both oxygen sensors.

Catalytic Converter Replacement - Right Side (V8) (Article 11979)

Callout Component Name

Preliminary Procedure Raise and support the vehicle. Refer to Lifting and Jacking the Vehicle . Disconnect the oxygen sensor s. Refer to Heated Oxygen Sensor Replacement - Bank 2 Sensor 1 and Heated Oxygen Sensor Replacement - Bank 2 Sensor 2 .

Preliminary Procedure

- Raise and support the vehicle. Refer to Lifting and Jacking the Vehicle .
- Disconnect the oxygen sensor s. Refer to Heated Oxygen Sensor Replacement - Bank 2 Sensor 1 and Heated Oxygen Sensor Replacement - Bank 2 Sensor 2 .

1 Nut (Qty: 2) Warning: Refer to Hot Exhaust System Warning . Caution: Refer to Fastener Caution . Tip: Remove the catalytic to the exhaust manifold nuts from above the engine compartment. Replace the catalytic converter seal. If replacing the catalytic converter, transfer the oxygen sensors over to the new converter. Tighten 48 Nm (35 lb ft)

- Remove the catalytic to the exhaust manifold nuts from above the engine compartment.
- Replace the catalytic converter seal.
- If replacing the catalytic converter, transfer the oxygen sensors over to the new converter.

48 Nm (35 lb ft)

2 Clamp Tighten 48 Nm (35 lb ft)

3 Three-way Catalytic Converter

All Technical Service Bulletins (itype_100)

Tsbs

- Premature Catalytic Converter Failures (PIP5232C, 2016/03/04)