

Component Procedures: Fuel Tank

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Component Procedures: Fuel Tank

Parts and Labor (itype_189)

Parts

| Qualifier | Part # | Name | Price | Note |
|-----------|----------|-----------|---------|------|
| Fuel Tank | 22860244 | Fuel Tank | 1016.77 | |

Labor

| Operation | Qualifier Path | Skill | Std Hrs | Wty Hrs |
|------------------|------------------------------|-------|---------|---------|
| Remove & Replace | Fuel Supply > Fuel Tank, R&R | B | 4.6 | 3.1 |

Fuel Tank Draining (Article 11439)

Special Tools

- J 36850 - Transjel Lubricant
- J 45004 - Fuel Drain Hose
- Remove the fuel filler cap .
- Insert the J 45004 - fuel drain hose into the fuel tank until the hose reaches the bottom of the fuel tank.
- Use an air operated pump device in order to drain the fuel into an approved gasoline container. Up to 26 liters (7 gallons) of residual fuel may remain in the secondary side of the fuel tank.
- Simultaneously twist and pull in order to remove the J 45004 - fuel drain hose from the fuel tank.

Fuel Tank Replacement (Article 11443)

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.
- Relieve the system fuel pressure . Refer to Fuel Pressure Relief .
- Drain the fuel tank . Refer to Fuel Tank Draining .
- Raise and support the vehicle. Refer to Lifting and Jacking the Vehicle
- Remove the right rear wheel. Refer to Tire and Wheel Removal and Installation
- Remove the exhaust system for access. Refer to Exhaust Muffler with Resonator, Exhaust, and Tail Pipe Replacement .
- Remove the propeller shaft. Refer to Two-Piece Propeller Shaft Replacement .
- Remove the fuel tank heat shield.
- Remove the park brake cables. Refer to Parking Brake Rear Cable Replacement .
- Support the rear suspension with a jack stand.
- Remove the front support bolts.
- Loosen the rear support bolts in order to slide the fuel tank out.
- For tightening specifications, refer to Rear Suspension Support Replacement .
- Disconnect the evaporative emission lines (1). Refer to Plastic Collar Quick Connect Fitting Service . Click for full-size image
- Disconnect the vent solenoid electrical connector (2).
- Loosen the hose clamp (1) and remove the filler tube (2). Click for full-size image
- Disconnect the evaporative emission line (3). Refer to Plastic Collar Quick Connect Fitting Service .
- Disconnect the fuel tank electrical connector (1). Click for full-size image
- Disconnect the fuel feed line (3) and evaporative emission line (2). Refer to Plastic Collar Quick Connect Fitting Service and Metal Collar Quick Connect Fitting Service .
- Support the fuel tank with a suitable jack. Click for full-size image
- Remove the fuel tank strap bolts (1).
- Remove the fuel tank.
- Remove the following components if replacing just the fuel tank.
- Fuel pump module . Refer to Fuel Tank Fuel Pump Module Replacement - Right Side .

- Fuel level sensor . Refer to Fuel Level Sensor Replacement - Left Side .
 - Transfer components as necessary.
- Installation Procedure
- Install the following components if fuel tank replacement was necessary:
 - Fuel pump module. Refer to Fuel Tank Fuel Pump Module Replacement - Right Side .
 - Fuel level sensor. Refer to Fuel Level Sensor Replacement - Left Side .
 - Use a suitable jack and install the fuel tank. Click for full-size image
 - Install the fuel tank strap bolts (1) and tighten to 50 Nm (37 lb ft) .
 - Connect the fuel tank electrical connector (1). Click for full-size image
 - Connect the fuel feed line (2) and evaporative emission line (3). Refer to Plastic Collar Quick Connect Fitting Service and Metal Collar Quick Connect Fitting Service .
 - Install the filler tube (2) and tighten the hose clamp (1) to 4 Nm (35 lb in) and remove the filler tube (2). Click for full-size image
 - Connect the evaporative emission line (3). Refer to Plastic Collar Quick Connect Fitting Service .
 - Connect the evaporative emission lines (1). Refer to Plastic Collar Quick Connect Fitting Service . Click for full-size image
 - Connect the vent solenoid electrical connector (2).
 - Connect the parking brake cables at the calipers. Refer to Parking Brake Rear Cable Replacement .
 - Install the rear suspension support and tighten to specifications. Refer to Rear Suspension Support Replacement .
 - Install the park brake cables. Refer to Parking Brake Rear Cable Replacement .
 - Install the fuel tank heat shield and tighten to 5.5 Nm (49 lb in)
 - Install the propeller shaft. Refer to Two-Piece Propeller Shaft Replacement .
 - Install the exhaust system for access. Refer to Exhaust Muffler with Resonator, Exhaust, and Tail Pipe Replacement .
 - Install the right rear wheel. Refer to Tire and Wheel Removal and Installation
 - Refill the fuel tank.
 - Inspect for fuel leaks.

All Technical Service Bulletins (itype_100)

Tsbs

- Fuel System - GM Fuel System Treatment PLUS(R) Info. (05-00-89-078C, 2012/04/19)

Repair Tips (itype_110)

Tsbs

- Fuel System - GM Fuel System Treatment PLUS(R) Info. (05-00-89-078C, 2012/04/19)