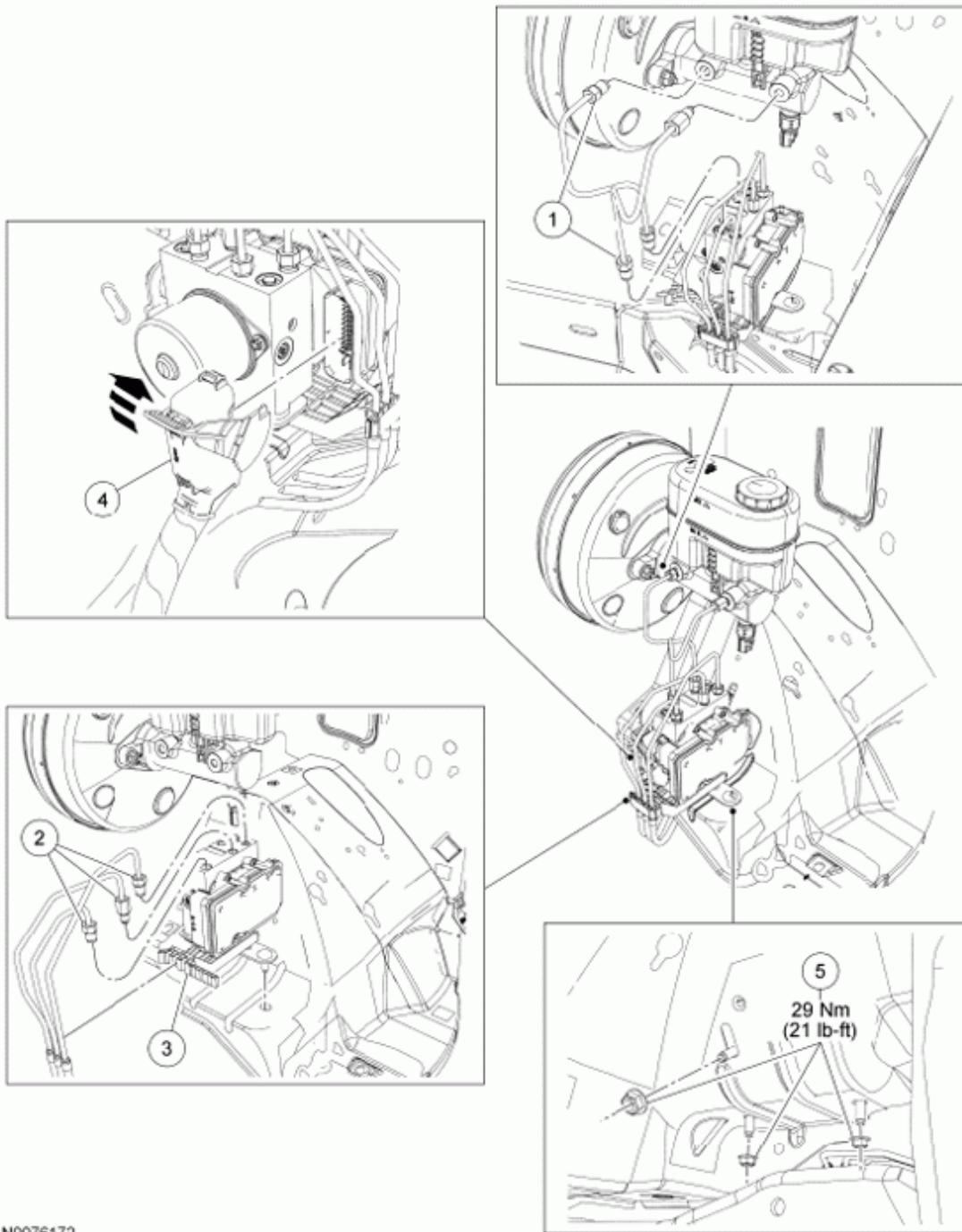


2014 Ford E-250 Super Duty

2014 BRAKES Anti-Lock Brake System (ABS) And Stability Control - E-Series



N0076172

Fig. 61: Identifying Hydraulic Control Unit Components With Torque Specifications
 Courtesy of FORD MOTOR CO.

Item	Part Number	Description
1	2M022	Master cylinder brake tube fittings (4 required)
2	-	Brake caliper-to-Hydraulic Control Unit (HCU) tube fittings (part of 2234)
3	2D031	Brake tube clip

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4	-	ABS module electrical connector (part of 12A581)
5	W712487	HCU bracket-to-inner fender well nuts (3 required)

Removal and Installation

WARNING: Do not use any fluid other than clean brake fluid meeting manufacturer's specification. Additionally, do not use brake fluid that has been previously drained. Following these instructions will help prevent system contamination, brake component damage and the risk of serious personal injury.

WARNING: Carefully read cautionary information on product label. For emergency medical information seek medical advice. In the USA or Canada on Ford/Motorcraft products call the Poison Control Center at: 1-800-959-3673. For additional information, consult the product Material Safety Data Sheet (MSDS) if available. Failure to follow these instructions may result in serious personal injury.

NOTE: Do not spill brake fluid on painted or plastic surfaces or damage to the surface may occur. If brake fluid is spilled onto a painted or plastic surface, immediately wash the surface with water.

1. If installing a new HCU connect the scan tool and upload the module configuration information from the ABS module. For additional information, refer to **MODULE CONFIGURATION** .
2. Remove the Air Cleaner (ACL) assembly. For additional information, refer to **INTAKE AIR DISTRIBUTION AND FILTERING** .
3. **NOTE:** Do not disconnect the hoses from the power steering reservoir.

Remove the 4 bolts and position the power steering fluid reservoir and bracket aside.

- To install, tighten the bolts to 28 Nm (21 lb-ft).

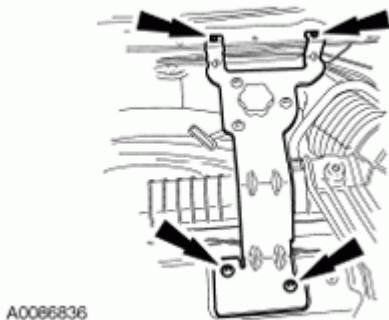


Fig. 62: Locating Power Steering Reservoir Bolts
Courtesy of FORD MOTOR CO.

4. Remove the 3 bolts and position the degas bottle aside.
 - To install, tighten the bolts to 10 Nm (89 lb-in).

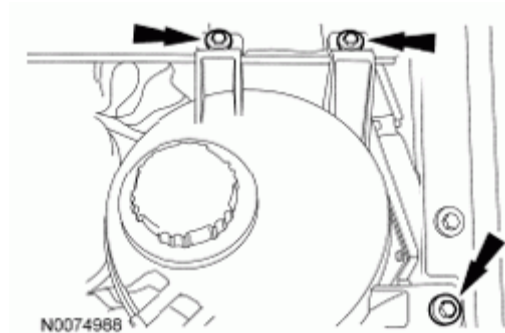


Fig. 63: Locating Degas Bottle Bolts
Courtesy of FORD MOTOR CO.

5. Remove the master cylinder primary and secondary brake tubes.
 - To install, tighten brake tube fittings on vehicles equipped with standard ABS to 18 Nm (159 lb-in).
 - To install, tighten brake tube fittings on vehicles equipped with Roll Stability Control (RSC®) to 28 Nm (21 lb-ft).

NOTE: Plug each port of the Hydraulic Control Unit (HCU) to prevent brake fluid from spilling.

6.

Disconnect the 3 brake caliper-to-**HCU** tube fittings.

- To install, tighten fittings on vehicles equipped with standard ABS to 18 Nm (159 lb-in).
 - To install, tighten fittings on vehicles equipped with **RSC®** to 28 Nm (21 lb-ft).
7. Release the brake tube clip from the **HCU** bracket and position the brake tubes aside.
 8. Disconnect the ABS module electrical connector.
 - Release the lock tab.
 - Pull the connector from the module.

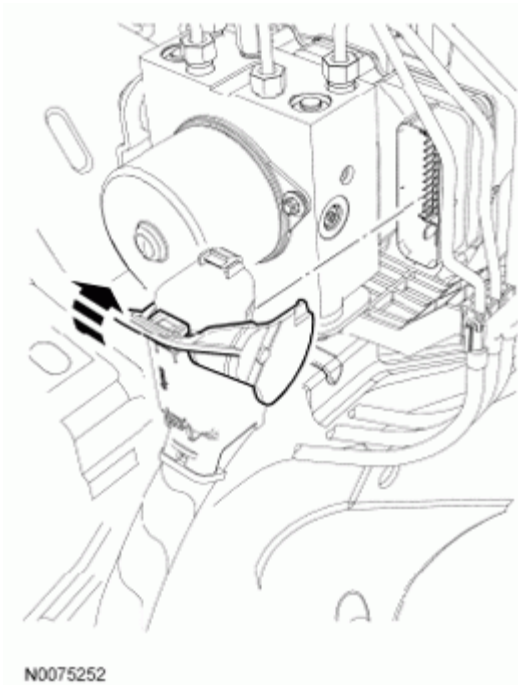


Fig. 64: Disconnecting ABS Module Electrical Connector
Courtesy of FORD MOTOR CO.

9. Remove the 3 **HCU** bracket-to-inner fender well nuts and remove the **HCU** assembly.
 - To install, tighten to 29 Nm (21 lb-ft).
10. To install, reverse the removal procedure.
 1. If a new **HCU** was installed, download the module configuration information from the scan tool. For additional information, refer to **MODULE CONFIGURATION** .
 2. For vehicles equipped with **RSC®** , carry out the IVD Initialization sequence. Follow the scan tool directions.
 3. Bleed the brake system. For additional information, refer to **BRAKE SYSTEM - GENERAL INFORMATION** .

ANTI-LOCK BRAKE SYSTEM (ABS) MODULE

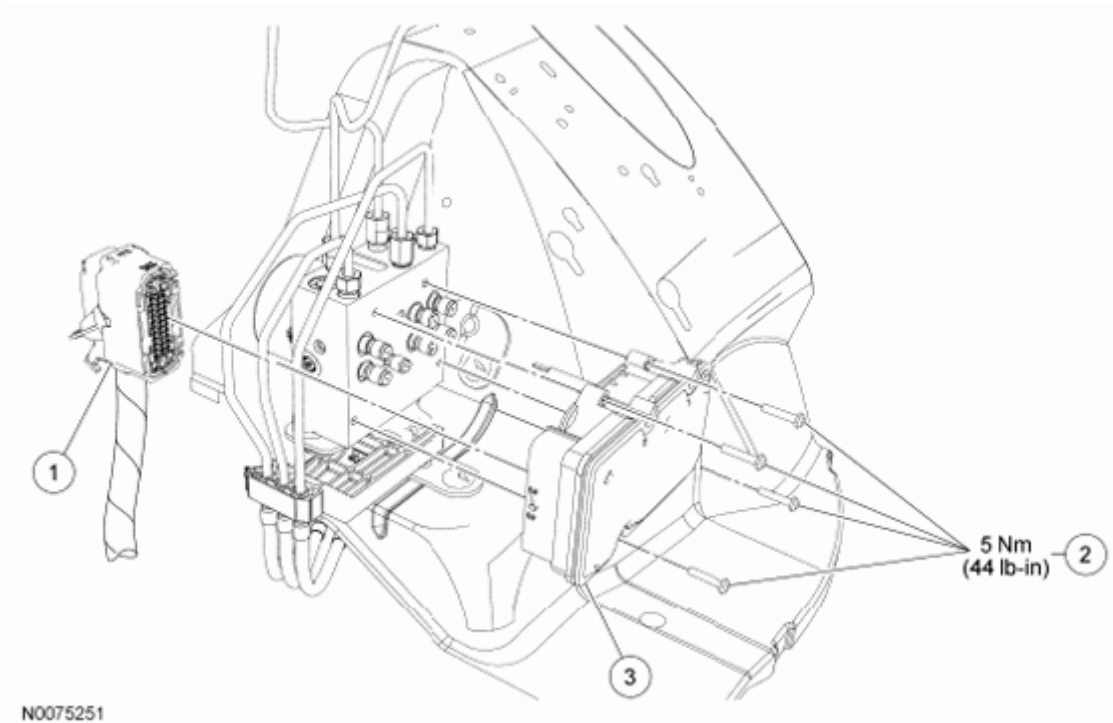


Fig. 65: Exploded View Of Anti Lock Brake System Module With Torque Specifications
 Courtesy of FORD MOTOR CO.

Item	Part Number	Description
1	-	ABS module electrical connector (part of 12A581)
2	-	ABS module screws (4 required) (part of 2C219)
3	2C219	ABS module

Removal and Installation

1. If installing a new ABS module, connect the scan tool and upload the module configuration information from the ABS module. For additional information, refer to **MODULE CONFIGURATION** .
2. Remove the Air Cleaner (ACL). For additional information, refer to **INTAKE AIR DISTRIBUTION AND FILTERING** .
3. **NOTE: Do not disconnect the hoses from the power steering reservoir.**

Remove the 4 bolts and position the power steering fluid reservoir and bracket aside.

- To install, tighten the bolts to 28 Nm (21 lb-ft).

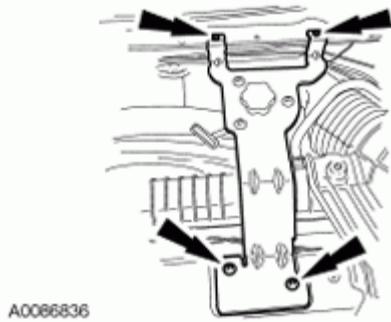


Fig. 66: Locating Power Steering Reservoir Bolts
Courtesy of FORD MOTOR CO.

4. Remove the 3 bolts and position the degas bottle aside.
 - To install, tighten the bolts to 10 Nm (89 lb-in).

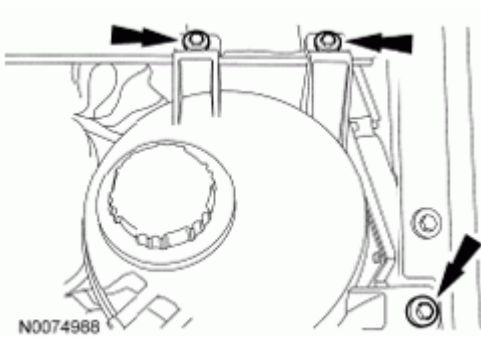


Fig. 67: Locating Degas Bottle Bolts
Courtesy of FORD MOTOR CO.

5. Disconnect the ABS module electrical connector.
 - Release the lock tab.
 - Pull the connector from the module.