

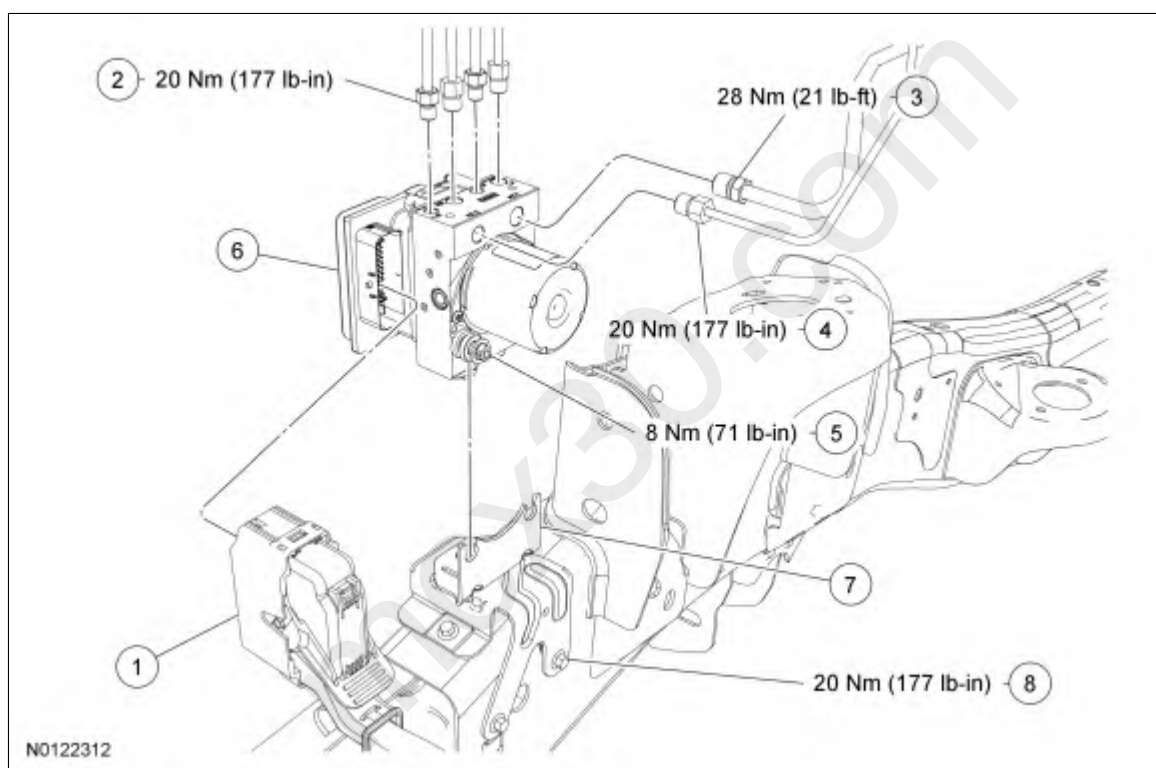
SECTION 206-09: Anti-Lock Brake System (ABS) and Stability Control
REMOVAL AND INSTALLATION

2014 F-150 Workshop Manual
Procedure revision date: 10/25/2013

Hydraulic Control Unit (HCU)

Material

Item	Specification
High Performance DOT 3 Motor Vehicle Brake Fluid PM-1-C (US); CPM-1-C (Canada)	WSS-M6C62-A or WSS-M6C65-A1



Item	Part Number	Description
1	—	ABS module electrical connector (part of 12A581)
2	—	Brake tube-to-Hydraulic Control Unit (HCU) fitting (4 required)
3	2A040	Master cylinder primary brake tube-to- <u>HCU</u> fitting
4	2B253	Master cylinder secondary brake tube-to- <u>HCU</u> fitting
5	—	<u>HCU</u> -to-bracket nut (part of kit 2C229) (2 required)
6	2C215	<u>HCU</u> (also part of 2C405)
7	2C304	<u>HCU</u> bracket (also part of 2C405)
8	W506424	<u>HCU</u> bracket bolts (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: 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.

NOTICE: 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.

NOTICE: Electronic modules are sensitive to electrical charges. The ABS module can be damaged if exposed to these charges.

NOTICE: Do not allow brake fluid or other contaminants to drip onto the ABS module or into the electrical connector. Contamination may cause a permanent failure to occur.

NOTE: The Hydraulic Control Unit (HCU) bracket does not have to be removed in order to complete this procedure.

1. Remove the Air Cleaner (ACL) outlet pipe. For additional information, refer to [Section 303-12](#).
2. **NOTE:** The brake tubes must be installed in the same location as removed.

Remove the 4 brake tube-to- HCU fittings.

- To install, tighten to 20 Nm (177 lb-in).
3. Disconnect the master cylinder primary and secondary brake tube-to- HCU fittings.
 - To install, tighten the master cylinder primary brake tube-to- HCU fitting to 28 Nm (21 lb-ft).
 - To install, tighten the master cylinder secondary tube brake tube-to- HCU fitting to 20 Nm (177 lb-in).
 4. Loosen the 2 HCU -to-bracket nuts and remove the HCU.
 - To install, tighten to 8 Nm (71 lb-in).
 5. To install, reverse the removal procedure.
 - Bleed the brake system. For additional information, refer to [Section 206-00](#).
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