

SECTION 303-04E: Fuel Charging and Controls — Turbocharger
SPECIFICATIONS

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

Material

Item	Specification	Fill Capacity
Motorcraft® SAE 5W-30 Premium Synthetic Blend Motor Oil (US); Motorcraft® SAE 5W-30 Super Premium Motor Oil (Canada) XO-5W30-QSP (US); CXO-5W30-LSP12 (Canada)	WSS-M2C946-A	—

Torque Specifications

Description	Nm	lb-ft	lb-in
Charge Air Cooler (CAC) tube clamp	5	—	44
Exhaust system heat shield bolts	20	—	177
Transmission crossmember bolts	90	66	—
Transmission insulator and retainer bolts	90	66	—
Transmission insulator and retainer nuts	103	75	—
Turbocharger bracket bolts	28	21	—
Turbocharger bracket-to-cylinder block bolts	10	—	89
Turbocharger exhaust flange stud bolts	40	30	—
Turbocharger heat shield bolts	6	—	53
Turbocharger intake tube clamp	5	—	44
Turbocharger mounting bolts	32	24	—
Turbocharger oil return tube bolt ^a	—	—	—
Turbocharger oil supply tube bolt ^a	—	—	—
Turbocharger oil tube assembly bolts ^a	—	—	—

^a Refer to the procedure in this section.

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