

Harley Davidson Softail Series 2019 - Fuel & Exhaust Fastener Torque Values

FASTENER	TORQUE VALUE	NOTES
Air filter element screws	5.4–8.1 N·m (48–72 in-lbs)	6.3 AIR CLEANER BACKPLATE ASSEMBLY, Remove and Install: Round
Backplate screw, square filter	4.1–6.0 N·m (36–50 in-lbs)	6.3 AIR CLEANER BACKPLATE ASSEMBLY, Remove and Install: Square
Backplate screws	5.0–6.0 N·m (50–60 in-lbs)	6.3 AIR CLEANER BACKPLATE ASSEMBLY, Remove and Install: Oval
Breather bolt, square filter	20.8–32.5 N·m (22–24 ft-lbs)	6.3 AIR CLEANER BACKPLATE ASSEMBLY, Remove and Install: Square
Breather bolts	20.8–32.5 N·m (22–24 ft-lbs)	6.3 AIR CLEANER BACKPLATE ASSEMBLY, Remove and Install: Round
Breather bolts	20.8–32.5 N·m (22–24 ft-lbs)	6.3 AIR CLEANER BACKPLATE ASSEMBLY, Remove and Install: Oval metric
Charcoal canister bracket to engine case screws	8.1–10.8 N·m (72–96 in-lbs)	6.23 CHARCOAL CANISTER: CALIFORNIA EMISSIONS, Install
Charcoal canister to bracket screws	3.4–4.1 N·m (30–36 in-lbs)	6.23 CHARCOAL CANISTER: CALIFORNIA EMISSIONS, Install
Console screw (Front)	3.4–5.6 N·m (30–50 in-lbs)	6.4 CONSOLE, Remove and Install: Single Instrument with Panel
Console screw (Rear)	2.8–3.4 N·m (25–30 in-lbs)	6.4 CONSOLE, Remove and Install: Dual Instrument
Console screw (Rear)	2.8–3.4 N·m (25–30 in-lbs)	6.4 CONSOLL, Remove and Install: Single Instrument with Panel
Console screws	4.5–5.9 N·m (40–50 in-lbs)	6.4 CONSOLL, Remove and Install: Single Instrument without Panel
Console screws (Front)	3.4–5.6 N·m (30–50 in-lbs)	6.4 CONSOLE, Remove and Install: Dual Instrument
Exhaust bracket screws	51.2–67.8 N·m (40–50 ft-lbs)	6.21 EXHAUST SYSTEM, Install
Exhaust shield clamps	2.3–4.5 N·m (20–40 in-lbs)	6.21 EXHAUST SYSTEM, Disassemble and Assemble: Standard
Exhaust shield clamps	2.3–4.5 N·m (20–40 in-lbs)	6.21 EXHAUST SYSTEM, Disassemble and Assemble: Upwept
Exhaust shield clamps	8.8–10.8 N·m (78–96 in-lbs)	6.21 EXHAUST SYSTEM, Disassemble and Assemble: Two Into One
Exhaust shield screws	12.2–14.9 N·m (108–132 in-lbs)	6.21 EXHAUST SYSTEM, Disassemble and Assemble: Upwept

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Exhaust support clamp screw	54.2–67.0 N·m (40–50 ft-lbs)	6.21 EXHAUST SYSTEM, Install
Exhaust to engine flange nuts	11.3–13.6 N·m (8–10 in-lbs)	6.21 EXHAUST SYSTEM, Install
Fuel fill port screw (FXDRS)	2.3–2.7 N·m (20–24 in-lbs)	6.9 FUEL INLET TRIM, Install
Fuel line to fuel rail screw	2.5–4.5 N·m (22–40 in-lbs)	6.7 FUEL LINE, Install
Fuel line to fuel rail screw	2.5–4.5 N·m (22–40 in-lbs)	6.17 INDUCTION MODULE, Install
Fuel pump assembly screws	4.5–5 N·m (40–45 in-lbs)	6.11 FUEL PUMP, Install
Fuel rail screws	3.5–5.5 N·m (31–48 in-lbs)	6.16 FUEL INJECTORS, Install
Fuel tank mounting screw	38–43.4 N·m (28–32 ft-lbs)	6.6 PURGE FUEL LINE, Secure Fuel Tank
Fuel tank mounting screw	38–43.4 N·m (28–32 ft-lbs)	6.6 PURGE FUEL LINE, Secure Fuel Tank
Fuel tank vent screws	9.5–12.7 N·m (8–11 in-lbs)	6.10 FUEL TANK, Install
HO2S (Heated oxygen sensor)	16.3–19 N·m (12–14 ft-lbs)	6.19 HEATED OXYGEN SENSORS (HO2S), Install
Induction module bracket	7.5–9.5 N·m (66–84 in-lbs)	6.17 INDUCTION MODULE, Assemble
Induction module flange adapter screws	10.9–17.6 N·m (96–156 in-lbs)	6.17 INDUCTION MODULE, Install metric
Induction module flange adapter screws	10.9–17.6 N·m (96–156 in-lbs)	6.17 INDUCTION MODULE, Install metric
Muffler clamp	51.5–58.3 N·m (38–43 ft-lbs)	6.20 MUFFLERS, Install
Muffler end cap screws	8.8–10.8 N·m (78–96 in-lbs)	6.20 MUFFLERS, Install
Muffler intermediate exhaust shield screw	12.2–14.9 N·m (108–132 in-lbs)	6.21 EXHAUST SYSTEM, Disassemble and Assemble: Two Into One
Muffler screws	13.5–16.3 N·m (119–144 in-lbs)	6.20 MUFFLERS, Install
Muffler screws	13.6–16.3 N·m (121–144 in-lbs)	6.21 EXHAUST SYSTEM, Install

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Muffler shield clamps	7.3–4.5 N·m (20–40 in-lbs)	6.21 EXHAUST SYSTEM, Disassemble and Assemble, Standard
Temperature manifold absolute pressure sensor (TMAP) screw	2.5–4.5 N·m (23–39 in-lbs)	6.14 TEMPERATURE MANIFOLD ABSOLUTE PRESSURE (TMAP) SENSOR, Install
Throttle body to manifold screws	4–6 N·m (35–53 in-lbs)	6.17 INDUCTION MODULE, Assemble