



2012 Softail Models Service Manual

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MAINTENANCE

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NOTES

FASTENER TORQUE VALUES

FASTENER TORQUE VALUES IN THIS CHAPTER

The table below lists torque values for all fasteners presented in this chapter.

FASTENER	TORQUE VALUE		NOTES
Adjuster screw locknut	72-120 in-lbs	8.1-13.6 Nm	1.11 CLUTCH, Adjustment
Air cleaner bracket screws	40-60 in-lbs	4.5-6.8 Nm	1.7 AIR CLEANER AND EXHAUST SYSTEM, Installation
Air cleaner cover bracket screw	40-60 in-lbs	4.5-6.8 Nm	1.5 MAINTENANCE SCHEDULE, General
Air cleaner cover screw	36-60 in-lbs	4.1-6.8 Nm	1.5 MAINTENANCE SCHEDULE, General
Air cleaner cover screw	36-60 in-lbs	4.1-6.8 Nm	1.7 AIR CLEANER AND EXHAUST SYSTEM, Installation
Battery cable to battery fasteners	60-72 in-lbs	6.8-8.1 Nm	1.20 BATTERY MAINTENANCE, Installation and Connection
Battery cable to battery fasteners	60-72 in-lbs	6.8-8.1 Nm	1.20 BATTERY MAINTENANCE, Installation and Connection
Battery terminal fastener	60-72 in-lbs	6.8-8.1 Nm	1.5 MAINTENANCE SCHEDULE, General
Brake bridge bolt/pad pin, front caliper	15-16 ft-lbs	20.3-22.6 Nm	1.16 BRAKE PADS AND DISCS, Brake Pad Replacement
Cable adjuster jamnut	120 in-lbs	13.6 Nm	1.11 CLUTCH, Adjustment
Chrome aluminum laced wheel spoke nipple	55 in-lbs	6.2 Nm	1.5 MAINTENANCE SCHEDULE, General
Clutch adjustment screw locknut	72-120 in-lbs	8-14 Nm	1.5 MAINTENANCE SCHEDULE, General
Clutch cover screws	84-108 in-lbs	9.5-12.2 Nm	1.11 CLUTCH, Adjustment
Clutch inspection cover fastener torque	84-108 in-lbs	10-12 Nm	1.5 MAINTENANCE SCHEDULE, General
Clutch inspection cover screw	84-108 in-lbs	9.5-12.2 Nm	1.9 PRIMARY CHAINCASE LUBRICANT, Changing Primary Chaincase Lubricant/Torque sequence
Drain plug	14-21 ft-lbs	19.0-28.5 Nm	1.6 ENGINE OIL AND FILTER, Changing Oil and Filter
Engine oil drain plug	14-21 ft-lbs	19-28 Nm	1.5 MAINTENANCE SCHEDULE, General
Fork stem nut	70-80 ft-lbs	94.9-108.4 Nm	1.18 STEERING HEAD BEARINGS, Adjustment: FXST, FXS
Fork stem nut	70-80 ft-lbs	94.9-108.4 Nm	1.18 STEERING HEAD BEARINGS, Adjustment: FXST, FXS
Fork stem nut	70-80 ft-lbs	94.9-108.4 Nm	1.18 STEERING HEAD BEARINGS, Adjustment: FXST, FXS
Fork stem nut	70-80 ft-lbs	94.9-108.4 Nm	1.18 STEERING HEAD BEARINGS, Adjustment: FXST, FXS
Front caliper mounting bolt	28-38 ft-lbs	38.0-51.5 Nm	1.16 BRAKE PADS AND DISCS, Brake Pad Replacement
Front caliper mounting bolt	28-38 ft-lbs	38.0-51.5 Nm	1.16 BRAKE PADS AND DISCS, Brake Pad Replacement
Hand control module housing screws	35-45 in-lbs	4.0-5.1 Nm	1.13 THROTTLE CABLES, Cable Inspection, Lubrication and Adjustment
Handlebar clamp screw torque	12-15 ft-lbs	16.3-20.3 Nm	1.5 MAINTENANCE SCHEDULE, General
Handlebar switch housing screw	35-45 in-lbs	4-5 Nm	1.5 MAINTENANCE SCHEDULE, General
Headlamp horizontal adjustment fastener	30-35 ft-lbs	40.7-47.5 Nm	1.21 HEADLAMP ALIGNMENT, Headlamp Adjustment

FASTENER	TORQUE VALUE		NOTES
Headlamp vertical adjusting bolt: all but FXS	35-45 ft-lbs	47.5-61.0 Nm	1.21 HEADLAMP ALIGNMENT, Headlamp Adjustment/All but FXS
Headlamp vertical adjusting bolt: FXS	30-35 ft-lbs	40.7-47.5 Nm	1.21 HEADLAMP ALIGNMENT, Headlamp Adjustment/FXS
Lower fork bracket pinch bolt: FXS	144-192 in-lbs	16.3-21.7 Nm	1.18 STEERING HEAD BEARINGS, Adjustment: FXST, FXS
Lower fork bracket pinch bolt: FXS	144-192 in-lbs	16.3-21.7 Nm	1.18 STEERING HEAD BEARINGS, Adjustment: FXST, FXS
Lower fork bracket pinch bolt: FXS	144-192 in-lbs	16.3-21.7 Nm	1.18 STEERING HEAD BEARINGS, Adjustment: FXST, FXS
Lower fork bracket pinch bolt: FXS	144-192 in-lbs	16.3-21.7 Nm	1.18 STEERING HEAD BEARINGS, Adjustment: FXST, FXS
Lower fork bracket pinch bolt: FXST	55-60 ft-lbs	74.6-81.4 Nm	1.18 STEERING HEAD BEARINGS, Adjustment: FXST, FXS
Lower fork bracket pinch bolt: FXST	55-60 ft-lbs	74.6-81.4 Nm	1.18 STEERING HEAD BEARINGS, Adjustment: FXST, FXS
Lower fork stem pinch bolts	55-60 ft-lbs	74.6-81.4 Nm	1.18 STEERING HEAD BEARINGS, Adjustment: FLSTC, FLSTF/B, FLSTN, FLS
Lower fork stem pinch bolts: FLSTC, FLSTF/B, FLSTN	55-60 ft-lbs	74.6-81.4 Nm	1.18 STEERING HEAD BEARINGS, Adjustment: FLSTC, FLSTF/B, FLSTN, FLS
Master cylinder cover screw torque: front	12-15 in-lbs	1.4-1.7 Nm	1.5 MAINTENANCE SCHEDULE, General
Master cylinder cover screw torque: rear	6-8 in-lbs	0.7-0.9 Nm	1.5 MAINTENANCE SCHEDULE, General
Master cylinder reservoir cover screws: front cover	12-15 in-lbs	1.4-1.7 Nm	1.16 BRAKE PADS AND DISCS, Brake Pad Replacement
Master cylinder reservoir cover screws: rear cover	6-8 in-lbs	0.7-0.9 Nm	1.16 BRAKE PADS AND DISCS, Brake Pad Replacement
Pad pin, rear caliper	80-120 in-lbs	9.0-13.6 Nm	1.16 BRAKE PADS AND DISCS, Brake Pad Replacement
Primary chaincase drain plug	14-21 ft-lbs	19-28 Nm	1.5 MAINTENANCE SCHEDULE, General
Primary chaincase drain plug	14-21 ft-lbs	19.0-28.5 Nm	1.9 PRIMARY CHAINCASE LUBRICANT, Changing Primary Chaincase Lubricant
Rear axle nut	95-105 ft-lbs	128.8-142.4 Nm	1.12 DRIVE BELT AND SPROCKETS, Adjusting Belt Deflection
Rear caliper fasteners	16-20 ft-lbs	21.7-27.1 Nm	1.16 BRAKE PADS AND DISCS, Brake Pad Replacement
Spark plug	12-18 ft-lbs	16-24 Nm	1.5 MAINTENANCE SCHEDULE, General
Spark plug	12-18 ft-lbs	16.3-24.4 Nm	1.17 SPARK PLUGS, Installation
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Starter nut	70-90 in-lbs	7.9-10.2 Nm	1.20 BATTERY MAINTENANCE, Installation and Connection
Steel laced wheel spoke nipple	55 in-lbs	6.2 Nm	1.5 MAINTENANCE SCHEDULE, General
Transmission dipstick	25-75 in-lbs	2.8-8.5 Nm	1.10 TRANSMISSION LUBRICANT, Checking Transmission Lubricant
Transmission drain plug	14-21 ft-lbs	19-28 Nm	1.5 MAINTENANCE SCHEDULE, General
Transmission drain plug	14-21 ft-lbs	19.0-28.5 Nm	1.10 TRANSMISSION LUBRICANT, Changing Transmission Lubricant
Transmission filler plug/dipstick	25-75 in-lbs	2.8-8.5 Nm	1.10 TRANSMISSION LUBRICANT, Changing Transmission Lubricant
Transmission filler plug torque	25-75 in-lbs	3-9 Nm	1.5 MAINTENANCE SCHEDULE, General
Upper fork stem pinch bolt	25-30 ft-lbs	33.9-40.7 Nm	1.18 STEERING HEAD BEARINGS, Adjustment: FLSTC, FLSTF/B, FLSTN, FLS

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