



2009 Sportster Models Service Manual

99484-09

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MAINTENANCE

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FASTENER TORQUE VALUES

1.1

FASTENER TORQUE VALUES IN THIS CHAPTER

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

FASTENER	TORQUE VALUE		NOTES
Air cleaner cover screw	36-60 in-lbs	4.1-6.8 Nm	1.4 MAINTENANCE SCHEDULE, General
Air cleaner cover screw	36-60 in-lbs	4.1-6.8 Nm	1.24 AIR CLEANER: XL MODELS, Installation
Air filter element screw	40-60 in-lbs	4.5-6.8 Nm	1.4 MAINTENANCE SCHEDULE, General
Air filter element screw	40-60 in-lbs	4.5-6.8 Nm	1.24 AIR CLEANER: XL MODELS, Installation
Axle nut, rear	95-105 ft-lbs	129-142 Nm	1.16 REAR BELT DEFLECTION, Belt Deflection Adjustment
Axle nut, rear	95-105 ft-lbs	129-142 Nm	1.16 REAR BELT DEFLECTION, Wheel Alignment
Battery cable connector nut	55-75 in-lbs	6.2-8.5 Nm	1.17 BATTERY MAINTENANCE, Battery Installation and Connection
Battery negative terminal screw	60-70 in-lbs	6.8-7.9 Nm	1.4 MAINTENANCE SCHEDULE, General
Battery negative terminal screw	60-70 in-lbs	6.8-7.9 Nm	1.17 BATTERY MAINTENANCE, Battery Installation and Connection
Battery positive terminal screw	60-70 in-lbs	6.8-7.9 Nm	1.17 BATTERY MAINTENANCE, Battery Installation and Connection
Battery strap screw	36-60 in-lbs	4.1-6.8 Nm	1.17 BATTERY MAINTENANCE, Battery Installation and Connection
Bleeder valve	35-61 in-lbs	4.0-6.9 Nm	1.8 BLEEDING HYDRAULIC BRAKE SYSTEM, Bleeding Front Brake: All Models
Bleeder valve	35-61 in-lbs	4.0-6.9 Nm	1.8 BLEEDING HYDRAULIC BRAKE SYSTEM, Bleeding Rear Brake: All Models
Brake hose clamp-to-rear fork screw	30-40 in-lbs	3.4-4.5 Nm	1.16 REAR BELT DEFLECTION, Belt Deflection Adjustment
Brake pad pin	131-173 in-lbs	14.8-19.6 Nm	1.9 BRAKE PADS AND DISCS: XL MODELS, Brake Pad Replacement: Rear
Brake pad pin	131-173 in-lbs	14.8-19.6 Nm	1.10 BRAKE PADS AND DISCS: XR MODELS, Brake Pad Replacement: Rear
Brake pad pin plug	18-25 in-lbs	2.0-2.9 Nm	1.9 BRAKE PADS AND DISCS: XL MODELS, Brake Pad Replacement: Front
Brake pad pin plug	18-25 in-lbs	2.0-2.9 Nm	1.9 BRAKE PADS AND DISCS: XL MODELS, Brake Pad Replacement: Rear
Brake pad pin plug	18-25 in-lbs	2.0-2.9 Nm	1.10 BRAKE PADS AND DISCS: XR MODELS, Brake Pad Replacement: Rear
Brake pad pins, front caliper	131-173 in-lbs	14.8-19.6 Nm	1.10 BRAKE PADS AND DISCS: XR MODELS, Brake Pad Replacement: Front
Caliper pad pin	131-173 in-lbs	14.8-19.6 Nm	1.9 BRAKE PADS AND DISCS: XL MODELS, Brake Pad Replacement: Front
Captive screw	9-17 in-lbs	1.0-2.0 Nm	1.8 BLEEDING HYDRAULIC BRAKE SYSTEM, Bleeding Front Brake: All Models
Captive screw	9-17 in-lbs	1.0-2.0 Nm	1.9 BRAKE PADS AND DISCS: XL MODELS, Brake Pad Replacement: Front
Chain tensioner nut	20-25 ft-lbs	27.1-33.9 Nm	1.4 MAINTENANCE SCHEDULE, General
Clutch inspection cover screw	84-108 in-lbs	9.5-12.2 Nm	1.4 MAINTENANCE SCHEDULE, General
Clutch inspection cover screw	84-108 in-lbs	9.5-12.2 Nm	1.13 CLUTCH, Adjustment

FASTENER	TORQUE VALUE		NOTES
Clutch inspection cover screw	84-108 in-lbs	9.5-12.2 Nm	1.14 TRANSMISSION LUBRICANT, Transmission Lubrication: Sportster Models
Footrest mount fastener: XR models	45-50 ft-lb	61.0-67.8 Nm	1.13 CLUTCH, Adjustment
Footrest mount fastener: XR models	45-50 ft-lb	61.0-67.8 Nm	1.14 TRANSMISSION LUBRICANT, Transmission Lubrication: Sportster Models
Fork cap: XR models	21-29 ft-lbs	29-39 Nm	1.22 FRONT FORK OIL, Changing Fork Oil: XR Models
Fork cap: XR models	21-29 ft-lbs	29-39 Nm	1.22 FRONT FORK OIL, Changing Fork Oil: XR Models
Fork cap to retainer nut: XR models	150-195 in-lbs	17-22 Nm	1.22 FRONT FORK OIL, Changing Fork Oil: XR Models
Fork cap to retainer nut: XR models	150-195 in-lbs	17-22 Nm	1.22 FRONT FORK OIL, Changing Fork Oil: XR Models
Fork slider tube cap	22-58 ft-lbs	29.9-78.7 Nm	1.22 FRONT FORK OIL, Changing Fork Oil: XL Models
Fork slider tube cap	22-58 ft-lbs	29.9-78.7 Nm	1.22 FRONT FORK OIL, Changing Fork Oil: XL Models
Fork stem pinch screw	30-35 ft-lbs	40.7-47.5 Nm	1.19 STEERING HEAD BEARINGS, Adjustment
Front fork lower bracket pinch screw	30-35 ft-lbs	40.7-47.5 Nm	1.19 STEERING HEAD BEARINGS, Adjustment
Front fork oil drain screw	13-17 in-lbs	1.5-2.0 Nm	1.22 FRONT FORK OIL, Changing Fork Oil: XL Models
Front master cylinder cover screw	9-17 in-lbs	1.0-2.0 Nm	1.10 BRAKE PADS AND DISCS: XR MODELS, Brake Pad Replacement: Front
Front master cylinder reservoir cover screw	9-17 in-lbs	1.0-2.0 Nm	1.4 MAINTENANCE SCHEDULE, General
Fuel pump module mounting screw	40-45 in-lbs	4.5-5.1 Nm	1.4 MAINTENANCE SCHEDULE, General
Fuel pump module mounting screw	40-45 in-lbs	4.5-5.1 Nm	1.29 FUEL SUPPLY FILTER, Installation
Handlebar clamp screw	108-132 in-lbs	12.2-14.9 Nm	1.4 MAINTENANCE SCHEDULE, General
Handlebar switch housing screw	35-45 in-lbs	4.0-5.1 Nm	1.4 MAINTENANCE SCHEDULE, General
Handlebar switch housing screw	35-45 in-lbs	4.0-5.1 Nm	1.27 THROTTLE CONTROL, Cable Inspection and Lubrication
Headlamp Allen head capscrew	30-35 ft-lbs	40.7-47.5 Nm	1.31 HEADLAMP ALIGNMENT, Headlamp Adjustment: Sportster Models
Headlamp clamp nut	120-240 in-lbs	14-27 Nm	1.31 HEADLAMP ALIGNMENT, Headlamp Adjustment: Sportster Models
Inner fork nut, right: XR models	69-83 ft-lbs	93-113 Nm	1.22 FRONT FORK OIL, Changing Fork Oil: XR Models/Hand tighten. Then tighten to torque.
Primary chaincase drain plug	14-30 ft-lbs	19.0-40.7 Nm	1.4 MAINTENANCE SCHEDULE, General
Primary chaincase drain plug	14-30 ft-lbs	19.0-40.7 Nm	1.14 TRANSMISSION LUBRICANT, Transmission Lubrication: Sportster Models/Apply LOCTITE THREADLOCKER 565 (white).
Primary chain inspection cover	84-120 in-lbs	9.5-13.6 Nm	1.12 PRIMARY CHAIN, Adjustment
Primary chain inspection cover screw	84-120 in-lbs	9.5-13.6 Nm	1.4 MAINTENANCE SCHEDULE, General
Primary chain lock nut	20-25 ft-lbs	27.1-33.9 Nm	1.12 PRIMARY CHAIN, Adjustment
Rider footrest support bracket mounting screw	45-50 ft-lbs	61-68 Nm	1.13 CLUTCH, Adjustment
Rider footrest support bracket mounting screw	45-50 ft-lbs	61-68 Nm	1.14 TRANSMISSION LUBRICANT, Transmission Lubrication: Sportster Models
Shift linkage pivot bolt	10-15 ft-lbs	13.6-20.3 Nm	1.13 CLUTCH, Adjustment

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