



2009 Sportster Models Service Manual

99484-09

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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.

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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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