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## NOTES

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## NOTES

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## SPORTSTER MODELS

### Regular Service Intervals

Service must be performed at specified intervals to keep your Harley-Davidson motorcycle operating at peak performance. Refer to Service Intervals for table.

Refer to Service Actions for service action definitions used in the service interval table.

#### NOTE

- The use of parts and service procedures other than Harley-Davidson approved parts and service procedures may void the limited warranty. Any alterations to the emission system components, such as the intake and exhaust system, may be in violation of motor vehicle laws.

- Some countries, such as Brazil, may require all regular maintenance or additional annual (or semi-annual) regular maintenance steps to be performed to keep your limited warranty in effect and/or comply with vehicle regulations. Check with your authorized Harley-Davidson dealer as well as the motorcycle regulations in your country.
- Whenever a vehicle is in for maintenance:
  - always check for and complete recalls and open product programs.
  - always verify that the latest calibration is installed.
- After completing the final service interval, repeat the service schedule starting at the 8000 km (5000 mi) interval.

### Service Intervals

Table 1-1. Regular Service Intervals: Harley-Davidson Sportster Models

COMPONENT	ACTION	1600 KM	8000 KM	16000 KM	24000 KM	32000 KM	40000 KM	48000 KM	56000 KM	64000 KM	72000 KM	80000 KM	NOTES
		1000 MI	5000 MI	10000 MI	15000 MI	20000 MI	25000 MI	30000 MI	35000 MI	40000 MI	45000 MI	50000 MI	
<b>Service Intervals</b>													
Electrical equipment and switches	Inspect	x	x	x	x	x	x	x	x	x	x	x	
Front tire pressure and tread	Check	x	x	x	x	x	x	x	x	x	x	x	1
Front wheel spoke torque (if equipped)	Tighten	x	x			x			x			x	2, 5, 3
Front brake fluid level	Inspect	x	x	x	x	x	x	x	x	x	x	x	
DOT4 front brake fluid moisture content	Check	x	x	x	x	x	x	x	x	x	x	x	1, 2
Steering head bearings	Adjust	x		x		x		x		x		x	2
Steering head bearings	Lubricate							x					2
Throttle controls	Lubricate	x	x	x	x	x	x	x	x	x	x	x	2
Hand control switch housing screw torque	Tighten	x		x		x		x		x		x	1, 2, 4
Air cleaner filter	Inspect		x	x	x	x	x	x	x	x	x	x	3
Engine oil and filter	Replace	x	x	x	x	x	x	x	x	x	x	x	1, 3
Primary chain	Adjust	x	x	x	x	x	x	x	x	x	x	x	
Transmission lubricant	Replace	x		x		x		x		x		x	3
Oil and brake lines	Inspect	x	x	x	x	x	x	x	x	x	x	x	1, 2, 6
Fuel lines and fittings	Inspect	x	x	x	x	x	x	x	x	x	x	x	1, 2, 6
Upper front stabilizer link to engine bracket mounting screw	Tighten	x		x		x		x		x		x	1, 2, 4
Front isolator mounting bolt and nut	Tighten	x		x		x		x		x		x	1, 2, 4
Rear brake fluid level	Inspect	x	x	x	x	x	x	x	x	x	x	x	
DOT4 rear brake fluid moisture content	Check	x	x	x	x	x	x	x	x	x	x	x	1, 2
Brake system	Replace	Flush brake system and replace DOT 4 hydraulic brake fluid every two years or sooner if moisture content is 3% or greater.											2
Brake pads and discs	Inspect	x	x	x	x	x	x	x	x	x	x	x	
Front axle nut	Tighten	x		x		x		x		x		x	1, 2, 4
Brake banjo bolt	Tighten	x		x		x		x		x		x	1, 2, 4
Jiffy stand	Lubricate	x	x	x	x	x	x	x	x	x	x	x	2, 3
Clutch	Adjust	x	x	x	x	x	x	x	x	x	x	x	2, 3
Brake and clutch controls	Lubricate	x	x	x	x	x	x	x	x	x	x	x	
<b>NOTES</b>													
1. Perform annually or at specified intervals, whichever comes first.													
2. Should be performed by an authorized Harley-Davidson dealer, unless you have the proper tools, service data and are mechanically qualified.													
3. Perform maintenance more frequently in severe riding conditions. This includes extreme temperatures, dusty environments, mountainous or rough roads, long storage conditions, short runs, heavy stop/go traffic or poor fuel quality.													
4. For torque instructions, see Shop Practices in the service manual.													
5. Perform spoke tension check at 1,000 mi (2,000 km), 5,000 mi (8,000 km), 20,000 mi (32,000 km) services and every 15,000 mi (24,000 km) interval thereafter. Not all vehicles have spoked wheels. Consult appropriate topic in the service manual.													
6. Check for leaks, contact or abrasion.													

**Table 1-1. Regular Service Intervals: Harley-Davidson Sportster Models**

COMPONENT	ACTION	1600 KM	8000 KM	16000 KM	24000 KM	32000 KM	40000 KM	48000 KM	56000 KM	64000 KM	72000 KM	80000 KM	NOTES
		1000 MI	5000 MI	10000 MI	15000 MI	20000 MI	25000 MI	30000 MI	35000 MI	40000 MI	45000 MI	50000 MI	
Rear wheel spoke torque (if equipped)	Tighten	x	x			x			x			x	2, 5, 3
Rear tire pressure and tread	Check	x	x	x	x	x	x	x	x	x	x	x	1
Drive belt and sprockets	Inspect	x	x	x	x	x	x	x	x	x	x	x	2
Drive belt	Check	x	x	x	x	x	x	x	x	x	x	x	2
Rear axle nut	Tighten	x		x		x		x		x		x	1, 2, 4
Exhaust system, fasteners and shields	Inspect	x	x	x	x	x	x	x	x	x	x	x	1, 3
12 volt battery	Check	<b>Check battery, terminal torque and clean connections annually. Lubricate terminals with ELECTRICAL CONTACT LUBRICANT.</b>											1
Spark plugs	Replace	<b>Replace spark plugs every two years or every 30,000 mi (48,000 km), whichever comes first.</b>											
Front forks	Rebuild									x			2
Fuel filter	Replace	<b>Replace fuel filter element every 100000 (161,000 km).</b>											2, 3
Component and system functions	Road Test	x	x	x	x	x	x	x	x	x	x	x	

**NOTES**

1. Perform annually or at specified intervals, whichever comes first.
2. Should be performed by an authorized Harley-Davidson dealer, unless you have the proper tools, service data and are mechanically qualified.
3. Perform maintenance more frequently in severe riding conditions. This includes extreme temperatures, dusty environments, mountainous or rough roads, long storage conditions, short runs, heavy stop/go traffic or poor fuel quality.
4. For torque instructions, see Shop Practices in the service manual.
5. Perform spoke tension check at 1,000 mi (2,000 km), 5,000 mi (8,000 km), 20,000 mi (32,000 km) services and every 15,000 mi (24,000 km) interval thereafter. Not all vehicles have spoked wheels. Consult appropriate topic in the service manual.
6. Check for leaks, contact or abrasion.

**Service Actions**

**Table 1-2. Service Action Definitions**

ACTION	DEFINITION
Inspect	Carefully examine component for excess wear, abnormality, contact, or leaks.
Check	Verify the component is within the owner's manual or service manual service limits. Adjust or repair as necessary.
Lubricate	Lubricate the component as specified in the owner's or service manual with Harley-Davidson approved product.

**Table 1-2. Service Action Definitions**

ACTION	DEFINITION
Replace	Replace the component at the specified intervals.
Clean	Clean the component as specified in the owner's or service manual.
Rebuild	Rebuild the component according to the procedures in the service manual.

**Maintenance Records**

Maintain a record of this service to keep your new motorcycle limited warranty in force. Refer to Table 1-3.

**Table 1-3. Owner's Maintenance Records**

SERVICE MILE INTERVAL	DATE	DEALER NUMBER	TECHNICIAN NAME	TECHNICIAN SIGNATURE
1,000 mi (1,600 km)				
5,000 mi (8,000 km)				
10,000 mi (16,000 km)				
15,000 mi (24,000 km)				
20,000 mi (32,000 km)				
25,000 mi (40,000 km)				
30,000 mi (48,000 km)				
35,000 mi (56,000 km)				
40,000 mi (64,000 km)				
45,000 mi (72,000 km)				
50,000 mi (80,000 km)				

**SUBJECT**

2.1 MAINTENANCE SCHEDULE.....

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## NOTES

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## TOURING MODELS

### Regular Service Intervals

Service must be performed at specified intervals to keep your Harley-Davidson motorcycle operating at peak performance. Refer to Service Intervals for table.

Refer to Service Actions for service action definitions used in the service interval table.

#### NOTE

- The use of parts and service procedures other than Harley-Davidson approved parts and service procedures may void the limited warranty. Any alterations to the emission system components, such as the intake and exhaust system, may be in violation of motor vehicle laws.

- Some countries, such as Brazil, may require all regular maintenance or additional annual (or semi-annual) regular maintenance steps to be performed to keep your limited warranty in effect and/or comply with vehicle regulations. Check with your authorized Harley-Davidson dealer as well as the motorcycle regulations in your country.
- Whenever a vehicle is in for maintenance:
  - always check for and complete recalls and open product programs.
  - always verify that the latest calibration is installed.
- After completing the final service interval, repeat the service schedule starting at the 8000 km (5000 mi) interval.

### Service Intervals

Table 2-1. Regular Service Intervals: Harley-Davidson Touring Models

COMPONENT	ACTION	1600 KM	8000 KM	16000 KM	24000 KM	32000 KM	40000 KM	48000 KM	56000 KM	64000 KM	72000 KM	80000 KM	NOTES
		1000 MI	5000 MI	10000 MI	15000 MI	20000 MI	25000 MI	30000 MI	35000 MI	40000 MI	45000 MI	50000 MI	
<b>Service Intervals</b>													
Electrical equipment and switches	Inspect	x	x	x	x	x	x	x	x	x	x	x	
Front tire pressure and tread	Check	x	x	x	x	x	x	x	x	x	x	x	1
Front wheel spoke tightness (if equipped)	Check	x	x			x			x			x	2, 4, 3
Front brake fluid level	Inspect	x	x	x	x	x	x	x	x	x	x	x	7
Clutch cable	Lubricate	x	x	x	x	x	x	x	x	x	x	x	9
Clutch cable	Adjust	x	x	x	x	x	x	x	x	x	x	x	6, 2
Front brake fluid moisture content	Check	x	x	x	x	x	x	x	x	x	x	x	1, 2
Hand control switch housing screw torque	Tighten	x		x		x		x		x		x	1, 2, 5
Clutch lever handlebar clamp screw torque	Tighten	x		x		x		x		x		x	1, 2, 5
Front brake handlebar clamp screw torque	Tighten	x		x		x		x		x		x	1, 2, 5
Steering head bearings	Lubricate						x					x	2
Windshield bushings (if equipped)	Inspect			x		x		x		x		x	
Air cleaner filter	Inspect		x	x	x	x	x	x	x	x	x	x	3
Engine oil and filter	Replace	x	x	x	x	x	x	x	x	x	x	x	1, 3
Engine coolant	Check	x	x	x	x	x	x	x	x	x	x	x	8
Engine coolant	Replace										x		2
Radiators or oil cooler	Clean	x	x	x	x	x	x	x	x	x	x	x	
Primary chaincase lubricant	Replace	x		x		x		x		x		x	3
Transmission lubricant	Replace	x				x				x			3
Oil and brake lines	Inspect	x	x	x	x	x	x	x	x	x	x	x	1, 2, 6
Fuel lines and fittings	Inspect	x	x	x	x	x	x	x	x	x	x	x	1, 2, 6
Rear brake fluid level	Inspect	x	x	x	x	x	x	x	x	x	x	x	7
DOT4 rear brake fluid moisture content	Check	x	x	x	x	x	x	x	x	x	x	x	1, 2
Brake systems	Replace	<b>Flush brake systems and replace DOT 4 hydraulic brake fluid every two years or sooner if moisture content is 3 percent or greater.</b>											2
Brake pads and discs	Inspect	x	x	x	x	x	x	x	x	x	x	x	
<b>NOTES</b>													
1. Perform annually or at specified intervals, whichever comes first.													
2. Should be performed by an authorized Harley-Davidson dealer, unless you have the proper tools, service data and are mechanically qualified.													
3. Perform maintenance more frequently in severe riding conditions. This includes extreme temperatures, dusty environments, mountainous or rough roads, long storage conditions, short runs, heavy stop/go traffic or poor fuel quality.													
4. Perform spoke tension check at 1,000 mi (2,000 km), 5,000 mi (8,000 km), 20,000 mi (32,000 km) services and every 15,000 mi (24,000 km) interval thereafter. Not all vehicles have spoked wheels. Consult appropriate topic in the service manual.													
5. For torque instructions, see Shop Practices in the service manual.													
6. Check for leaks, contact or abrasion.													
7. Brake fluid level drops as brake pads wear.													
8. Check coolant freeze point and inspect for leaks.													
9. Use HARLEY LUBE.													

**Table 2-1. Regular Service Intervals: Harley-Davidson Touring Models**

COMPONENT	ACTION	1600 KM	8000 KM	16000 KM	24000 KM	32000 KM	40000 KM	48000 KM	56000 KM	64000 KM	72000 KM	80000 KM	NOTES
		1000 MI	5000 MI	10000 MI	15000 MI	20000 MI	25000 MI	30000 MI	35000 MI	40000 MI	45000 MI	50000 MI	
Front axle nut torque	Tighten	x		x		x		x		x		x	1, 2, 5
Jiffy stand	Lubricate	x	x	x	x	x	x	x	x	x	x	x	2, 3
Brake and clutch controls	Lubricate	x	x	x	x	x	x	x	x	x	x	x	2, 9
Rear wheel spoke tightness (if equipped)	Check	x	x			x			x			x	2, 3, 4
Rear tire pressure and tread	Check	x	x	x	x	x	x	x	x	x	x	x	1
Drive belt and sprockets	Inspect	x	x	x	x	x	x	x	x	x	x	x	2
Drive belt	Adjust	x	x	x	x	x	x	x	x	x	x	x	2
Rear sprocket isolators	Inspect	Inspect rear sprocket isolators for wear at each rear tire change.											
Rear axle nut torque	Tighten	x		x		x		x		x		x	1, 2, 5
Exhaust system, fasteners and shields	Inspect	x	x	x	x	x	x	x	x	x	x	x	1, 3
12 volt battery	Check	Check battery, terminal torque and clean connections annually. Lubricate terminals with ELECTRICAL CONTACT LUBRICANT.											
Spark plugs	Replace	Replace spark plugs every two years or every 30,000 mi (48,000 km), whichever comes first.											
Fuel door hinge and latch	Lubricate	x	x	x	x	x	x	x	x	x	x	x	9
Front forks	Rebuild											x	2
Fuel filter	Replace	Replace fuel filter element every 100,000 mi (161,000 km).											
Component and system functions	Road Test	x	x	x	x	x	x	x	x	x	x	x	

**NOTES**

1. Perform annually or at specified intervals, whichever comes first.
2. Should be performed by an authorized Harley-Davidson dealer, unless you have the proper tools, service data and are mechanically qualified.
3. Perform maintenance more frequently in severe riding conditions. This includes extreme temperatures, dusty environments, mountainous or rough roads, long storage conditions, short runs, heavy stop/go traffic or poor fuel quality.
4. Perform spoke tension check at 1,000 mi (2,000 km), 5,000 mi (8,000 km), 20,000 mi (32,000 km) services and every 15,000 mi (24,000 km) interval thereafter. Not all vehicles have spoked wheels. Consult appropriate topic in the service manual.
5. For torque instructions, see Shop Practices in the service manual.
6. Check for leaks, contact or abrasion.
7. Brake fluid level drops as brake pads wear.
8. Check coolant freeze point and inspect for leaks.
9. Use HARLEY LUBE.

**Service Actions**

**Table 2-2. Service Action Definitions**

ACTION	DEFINITION
Inspect	Carefully examine component for excess wear, abnormality, contact, or leaks.
Check	Verify the component is within the owner's manual or service manual service limits. Adjust or repair as necessary.
Lubricate	Lubricate the component as specified in the owner's or service manual with Harley-Davidson approved product.

**Table 2-2. Service Action Definitions**

ACTION	DEFINITION
Replace	Replace the component at the specified intervals.
Clean	Clean the component as specified in the owner's or service manual.
Rebuild	Rebuild the component according to the procedures in the service manual.

**Maintenance Records**

Maintain a record of this service to keep your new motorcycle limited warranty in force. Refer to Table 2-3.

**Table 2-3. Owner's Maintenance Records**

SERVICE MILE INTERVAL	DATE	DEALER NUMBER	TECHNICIAN NAME	TECHNICIAN SIGNATURE
1,000 mi (1,600 km)				
5,000 mi (8,000 km)				
10,000 mi (16,000 km)				
15,000 mi (24,000 km)				
20,000 mi (32,000 km)				
25,000 mi (40,000 km)				
30,000 mi (48,000 km)				
35,000 mi (56,000 km)				
40,000 mi (64,000 km)				
45,000 mi (72,000 km)				
50,000 mi (80,000 km)				

# POLICE MODELS

## Regular Service Intervals

Service must be performed at specified intervals to keep your Harley-Davidson motorcycle operating at peak performance. Refer to Service Intervals for table.

Refer to Service Actions for service action definitions used in the service interval table.

### NOTE

- The use of parts and service procedures other than Harley-Davidson approved parts and service procedures may void the limited warranty. Any alterations to the emission system components, such as the intake and exhaust system, may be in violation of motor vehicle laws.

- Some countries, such as Brazil, may require all regular maintenance or additional annual (or semi-annual) regular maintenance steps to be performed to keep your limited warranty in effect and/or comply with vehicle regulations. Check with your authorized Harley-Davidson dealer as well as the motorcycle regulations in your country.
- Whenever a vehicle is in for maintenance:
  - always check for and complete recalls and open product programs.
  - always verify that the latest calibration is installed.
- After completing the final service interval, repeat the service schedule starting at the 8000 km (5000 mi) interval.

## Service Intervals

Table 2-4. Regular Service Intervals: Harley-Davidson Police Models

COMPONENT	ACTION	1600 KM	8000 KM	16000 KM	24000 KM	32000 KM	40000 KM	48000 KM	56000 KM	64000 KM	72000 KM	80000 KM	NOTES
		1000 MI	5000 MI	10000 MI	15000 MI	20000 MI	25000 MI	30000 MI	35000 MI	40000 MI	45000 MI	50000 MI	
<b>Service Intervals</b>													
Electrical equipment and switches	Inspect	x	x	x	x	x	x	x	x	x	x	x	
Front tire pressure and tread	Check	x	x	x	x	x	x	x	x	x	x	x	1
Front brake fluid level	Inspect	x	x	x	x	x	x	x	x	x	x	x	6
Clutch cable	Lubricate	x	x	x	x	x	x	x	x	x	x	x	7
Clutch cable	Adjust	x	x	x	x	x	x	x	x	x	x	x	5, 2
DOT4 front brake fluid moisture content	Check	x	x	x	x	x	x	x	x	x	x	x	1, 2
Hand control switch housing screw torque	Tighten	x		x		x		x		x		x	1, 2, 4
Clutch lever handlebar clamp screw torque	Tighten	x		x		x		x		x		x	1, 2, 4
Front brake handlebar clamp screw torque	Tighten	x		x		x		x		x		x	1, 2, 4
Steering head bearings	Lubricate						x					x	2
Windshield bushings (if equipped)	Inspect			x		x			x		x		
Air cleaner filter	Inspect		x	x	x	x	x	x	x	x	x	x	3
Engine oil and filter	Replace	x	x	x	x	x	x	x	x	x	x	x	1, 3
Oil cooler	Clean	x	x	x	x	x	x	x	x	x	x	x	
Primary chaincase lubricant	Replace	x		x		x		x		x		x	3
Transmission lubricant	Replace	x				x				x			3
Oil and brake lines	Inspect	x	x	x	x	x	x	x	x	x	x	x	1, 2, 5
Fuel lines and fittings	Inspect	x	x	x	x	x	x	x	x	x	x	x	1, 2, 5
Rear brake fluid level	Inspect	x	x	x	x	x	x	x	x	x	x	x	6
DOT4 rear brake fluid moisture content	Check	x	x	x	x	x	x	x	x	x	x	x	1, 2
Brake systems	Replace	Flush brake systems and replace DOT 4 hydraulic brake fluid every two years or sooner if moisture content is 3 percent or greater.											2
Brake pads and discs	Inspect	x	x	x	x	x	x	x	x	x	x	x	
Front axle nut torque	Tighten	x		x		x		x		x		x	1, 2, 4
Jiffy stand	Lubricate	x	x	x	x	x	x	x	x	x	x	x	2, 3
Brake and clutch controls	Lubricate	x	x	x	x	x	x	x	x	x	x	x	2, 7
Rear tire pressure and tread	Check	x	x	x	x	x	x	x	x	x	x	x	1
Drive belt and sprockets	Inspect	x	x	x	x	x	x	x	x	x	x	x	2
Drive belt	Adjust	x	x	x	x	x	x	x	x	x	x	x	2
Rear sprocket isolators	Inspect	Inspect rear sprocket isolators for wear at each rear tire change.											
Rear axle nut torque	Tighten	x		x		x		x		x		x	1, 2, 4
<b>NOTES</b>													
1. Perform annually or at specified intervals, whichever comes first.													
2. Should be performed by an authorized Harley-Davidson dealer, unless you have the proper tools, service data and are mechanically qualified.													
3. Perform maintenance more frequently in severe riding conditions. This includes extreme temperatures, dusty environments, mountainous or rough roads, long storage conditions, short runs, heavy stop/go traffic or poor fuel quality.													
4. For torque instructions, see Shop Practices in the service manual.													
5. Check for leaks, contact or abrasion.													
6. Brake fluid level drops as brake pads wear.													
7. Use HARLEY LUBE.													

Table 2-4. Regular Service Intervals: Harley-Davidson Police Models

COMPONENT	ACTION													NOTES
		1600 KM 1000 MI	8000 KM 5000 MI	16000 KM 10000 MI	24000 KM 15000 MI	32000 KM 20000 MI	40000 KM 25000 MI	48000 KM 30000 MI	56000 KM 35000 MI	64000 KM 40000 MI	72000 KM 45000 MI	80000 KM 50000 MI		
Exhaust system, fasteners and shields	Inspect	x	x	x	x	x	x	x	x	x	x	x	x	1, 3
12 volt battery	Check	Check battery, terminal torque and clean connections annually. Lubricate terminals with ELECTRICAL CONTACT LUBRICANT.												1
Spark plugs	Replace	Replace spark plugs every two years or every 30,000 mi (48,000 km), whichever comes first.												
Fuel door hinge and latch	Lubricate	x	x	x	x	x	x	x	x	x	x	x	x	7
Front forks	Rebuild												x	2
Fuel filter	Replace	Replace fuel filter element every 100,000 mi (161,000 km).												2, 3
Component and system functions	Road Test	x	x	x	x	x	x	x	x	x	x	x	x	

**NOTES**

1. Perform annually or at specified intervals, whichever comes first.
2. Should be performed by an authorized Harley-Davidson dealer, unless you have the proper tools, service data and are mechanically qualified.
3. Perform maintenance more frequently in severe riding conditions. This includes extreme temperatures, dusty environments, mountainous or rough roads, long storage conditions, short runs, heavy stop/go traffic or poor fuel quality.
4. For torque instructions, see Shop Practices in the service manual.
5. Check for leaks, contact or abrasion.
6. Brake fluid level drops as brake pads wear.
7. Use HARLEY LUBE.

**Service Actions**

Table 2-5. Service Action Definitions

ACTION	DEFINITION
Inspect	Carefully examine component for excess wear, abnormality, contact, or leaks.
Check	Verify the component is within the owner's manual or service manual service limits. Adjust or repair as necessary.
Lubricate	Lubricate the component as specified in the owner's or service manual with Harley-Davidson approved product.

Table 2-5. Service Action Definitions

ACTION	DEFINITION
Replace	Replace the component at the specified intervals.
Clean	Clean the component as specified in the owner's or service manual.
Rebuild	Rebuild the component according to the procedures in the service manual.

**Maintenance Records**

Maintain a record of this service to keep your new motorcycle limited warranty in force. Refer to Table 2-6.

Table 2-6. Owner's Maintenance Records

SERVICE MILE INTERVAL	DATE	DEALER NUMBER	TECHNICIAN NAME	TECHNICIAN SIGNATURE
1,000 mi (1,600 km)				
5,000 mi (8,000 km)				
10,000 mi (16,000 km)				
15,000 mi (24,000 km)				
20,000 mi (32,000 km)				
25,000 mi (40,000 km)				
30,000 mi (48,000 km)				
35,000 mi (56,000 km)				
40,000 mi (64,000 km)				
45,000 mi (72,000 km)				
50,000 mi (80,000 km)				

**CVO ROAD GLIDE ULTRA MODELS (FLTRKSE)**

**NOTE**

- The use of parts and service procedures other than Harley-Davidson approved parts and service procedures may void the limited warranty. Any alterations to the emission system components, such as the intake and exhaust system, may be in violation of motor vehicle laws.
- Some countries, such as Brazil, may require all regular maintenance or additional annual (or semi-annual) regular maintenance steps to be performed to keep your limited warranty in effect and/or comply with vehicle regulations. Check with your authorized Harley-Davidson dealer as well as the motorcycle regulations in your country.

**Regular Service Intervals**

Service must be performed at specified intervals to keep your Harley-Davidson motorcycle operating at peak performance. Refer to Service Intervals for table.

Refer to Service Actions for service action definitions used in the service interval table.

- Whenever a vehicle is in for maintenance:
  - always check for and complete recalls and open product programs.
  - always verify that the latest calibration is installed.

- After completing the final service interval, repeat the service schedule starting at the 8000 km (5000 mi) interval.

## Service Intervals

Table 2-7. Regular Service Intervals: Harley-Davidson CVO Limited FLTRKSE

COMPONENT	ACTION	1600 KM	8000 KM	16000 KM	24000 KM	32000 KM	40000 KM	48000 KM	56000 KM	64000 KM	72000 KM	80000 KM	NOTES
		1000 MI	5000 MI	10000 MI	15000 MI	20000 MI	25000 MI	30000 MI	35000 MI	40000 MI	45000 MI	50000 MI	
<b>Service Intervals</b>													
Electrical equipment and switches	Inspect	x	x	x	x	x	x	x	x	x	x	x	
Front tire pressure and tread	Check	x	x	x	x	x	x	x	x	x	x	x	1
Front brake fluid level	Inspect	x	x	x	x	x	x	x	x	x	x	x	6
Clutch cable	Lubricate	x	x	x	x	x	x	x	x	x	x	x	8
Clutch cable	Adjust	x	x	x	x	x	x	x	x	x	x	x	5, 2
DOT4 Front brake fluid moisture content	Check	x	x	x	x	x	x	x	x	x	x	x	1, 2
Hand control switch housing screw torque	Tighten	x		x		x		x		x		x	1, 2, 4
Clutch lever handlebar clamp screw torque	Tighten	x		x		x		x		x		x	1, 2, 4
Front brake handlebar clamp screw torque	Tighten	x		x		x		x		x		x	1, 2, 4
Steering head bearings	Lubricate						x					x	2
Air cleaner filter	Inspect		x	x	x	x	x	x	x	x	x	x	3
Engine oil and filter	Replace	x	x	x	x	x	x	x	x	x	x	x	1, 3
Engine coolant	Check	x	x	x	x	x	x	x	x	x	x	x	7
Engine coolant	Replace							x					2
Radiators	Clean	x	x	x	x	x	x	x	x	x	x	x	
Primary chaincase lubricant	Replace	x		x		x		x		x		x	3
Transmission lubricant	Replace	x				x				x			3
Oil and brake lines	Inspect	x	x	x	x	x	x	x	x	x	x	x	1, 2, 5
Fuel lines and fittings	Inspect	x	x	x	x	x	x	x	x	x	x	x	1, 2, 5
Rear brake fluid level	Inspect	x	x	x	x	x	x	x	x	x	x	x	6
DOT4 rear brake fluid moisture content	Check	x	x	x	x	x	x	x	x	x	x	x	1, 2
Brake systems	Replace	<b>Flush brake systems and replace DOT 4 hydraulic brake fluid every two years or sooner if moisture content is 3 percent or greater.</b>											2
Brake pads and discs	Inspect	x	x	x	x	x	x	x	x	x	x	x	
Front axle nut torque	Tighten	x		x		x		x		x		x	1, 2, 4
Jiffy stand	Lubricate	x	x	x	x	x	x	x	x	x	x	x	2, 3
Brake and clutch controls	Lubricate	x	x	x	x	x	x	x	x	x	x	x	2, 8
Rear tire pressure and tread	Check	x	x	x	x	x	x	x	x	x	x	x	1
Drive belt and sprockets	Inspect	x	x	x	x	x	x	x	x	x	x	x	2
Drive belt	Adjust	x	x	x	x	x	x	x	x	x	x	x	2
Rear sprocket isolators	Inspect	<b>Inspect rear sprocket isolators for wear at each rear tire change.</b>											
Rear axle nut torque	Tighten	x		x		x		x		x		x	1, 2, 4
Exhaust system, fasteners and shields	Inspect	x	x	x	x	x	x	x	x	x	x	x	1, 3
12 volt battery	Check	<b>Check battery, terminal torque and clean connections annually. Lubricate terminals with ELECTRICAL CONTACT LUBRICANT.</b>											1
Spark plugs	Replace	<b>Replace spark plugs every two years or every 30,000 mi (48,000 km), whichever comes first.</b>											
Fuel door hinge and latch	Lubricate	x	x	x	x	x	x	x	x	x	x	x	8
Front forks	Rebuild											x	2
Fuel filter	Replace	<b>Replace fuel filter element every 100,000 mi (161,000 km).</b>											2, 3
Component and system functions	Road Test	x	x	x	x	x	x	x	x	x	x	x	
<b>NOTES</b>													
1. Perform annually or at specified intervals, whichever comes first.													
2. Should be performed by an authorized Harley-Davidson dealer, unless you have the proper tools, service data and are mechanically qualified.													
3. Perform maintenance more frequently in severe riding conditions. This includes extreme temperatures, dusty environments, mountainous or rough roads, long storage conditions, short runs, heavy stop/go traffic or poor fuel quality.													
4. For torque instructions, see Shop Practices in the service manual.													
5. Check for leaks, contact or abrasion.													
6. Brake fluid level drops as brake pads wear.													
7. Check coolant freeze point and inspect for leaks.													
8. Use HARLEY LUBE.													

## Service Actions

**Table 2-8. Service Action Definitions**

ACTION	DEFINITION
Inspect	Carefully examine component for excess wear, abnormality, contact, or leaks.
Check	Verify the component is within the owner's manual or service manual service limits. Adjust or repair as necessary.
Lubricate	Lubricate the component as specified in the owner's or service manual with Harley-Davidson approved product.

**Table 2-8. Service Action Definitions**

ACTION	DEFINITION
Replace	Replace the component at the specified intervals.
Clean	Clean the component as specified in the owner's or service manual.
Rebuild	Rebuild the component according to the procedures in the service manual.

## Maintenance Records

Maintain a record of this service to keep your new motorcycle limited warranty in force. Refer to Table 2-9.

**Table 2-9. Owner's Maintenance Records**

SERVICE MILE INTERVAL	DATE	DEALER NUMBER	TECHNICIAN NAME	TECHNICIAN SIGNATURE
1,000 mi (1,600 km)				
5,000 mi (8,000 km)				
10,000 mi (16,000 km)				
15,000 mi (24,000 km)				
20,000 mi (32,000 km)				
25,000 mi (40,000 km)				
30,000 mi (48,000 km)				
35,000 mi (56,000 km)				
40,000 mi (64,000 km)				
45,000 mi (72,000 km)				
50,000 mi (80,000 km)				

## CVO STREET GLIDE MODELS (FLHXSE)

### Regular Service Intervals

Service must be performed at specified intervals to keep your Harley-Davidson motorcycle operating at peak performance. Refer to Service Intervals for table.

Refer to Service Actions for service action definitions used in the service interval table.

#### NOTE

- The use of parts and service procedures other than Harley-Davidson approved parts and service procedures may void the limited warranty. Any alterations to the emission system components, such as the intake and exhaust system, may be in violation of motor vehicle laws.

- Some countries, such as Brazil, may require all regular maintenance or additional annual (or semi-annual) regular maintenance steps to be performed to keep your limited warranty in effect and/or comply with vehicle regulations. Check with your authorized Harley-Davidson dealer as well as the motorcycle regulations in your country.
- Whenever a vehicle is in for maintenance:
  - always check for and complete recalls and open product programs.
  - always verify that the latest calibration is installed.
- After completing the final service interval, repeat the service schedule starting at the 8000 km (5000 mi) interval.

## Service Intervals

**Table 2-10. Regular Service Intervals: Harley-Davidson CVO Street Glide FLHXSE**

COMPONENT	ACTION	1600 KM	8000 KM	16000 KM	24000 KM	32000 KM	40000 KM	48000 KM	56000 KM	64000 KM	72000 KM	80000 KM	NOTES
		1000 MI	5000 MI	10000 MI	15000 MI	20000 MI	25000 MI	30000 MI	35000 MI	40000 MI	45000 MI	50000 MI	
<b>Service Intervals</b>													
Electrical equipment and switches	Inspect	x	x	x	x	x	x	x	x	x	x	x	
Front tire pressure and tread	Check	x	x	x	x	x	x	x	x	x	x	x	1
Front brake fluid level	Inspect	x	x	x	x	x	x	x	x	x	x	x	6
Clutch cable	Lubricate	x	x	x	x	x	x	x	x	x	x	x	7
Clutch cable	Adjust	x	x	x	x	x	x	x	x	x	x	x	5, 2
<b>NOTES</b>													
1. Perform annually or at specified intervals, whichever comes first.													
2. Should be performed by an authorized Harley-Davidson dealer, unless you have the proper tools, service data and are mechanically qualified.													
3. Perform maintenance more frequently in severe riding conditions. This includes extreme temperatures, dusty environments, mountainous or rough roads, long storage conditions, short runs, heavy stop/go traffic or poor fuel quality.													
4. For torque instructions, see Shop Practices in the service manual.													
5. Check for leaks, contact or abrasion.													
6. Brake fluid level drops as brake pads wear.													
7. Use HARLEY LUBE.													

**Table 2-10. Regular Service Intervals: Harley-Davidson CVO Street Glide FLHXSE**

COMPONENT	ACTION	1600 KM	8000 KM	16000 KM	24000 KM	32000 KM	40000 KM	48000 KM	56000 KM	64000 KM	72000 KM	80000 KM	NOTES
		1000 MI	5000 MI	10000 MI	15000 MI	20000 MI	25000 MI	30000 MI	35000 MI	40000 MI	45000 MI	50000 MI	
DOT4 front brake fluid moisture content	Check	x	x	x	x	x	x	x	x	x	x	x	1, 2
Hand control switch housing screw torque	Tighten	x		x		x		x		x		x	1, 2, 4
Clutch lever handlebar clamp screw torque	Tighten	x		x		x		x		x		x	1, 2, 4
Front brake handlebar clamp screw torque	Tighten	x		x		x		x		x		x	1, 2, 4
Steering head bearings	Lubricate						x					x	2
Air cleaner filter	Inspect		x	x	x	x	x	x	x	x	x	x	3
Engine oil and filter	Replace	x	x	x	x	x	x	x	x	x	x	x	1, 3
Primary chaincase lubricant	Replace	x		x		x		x		x		x	3
Transmission lubricant	Replace	x				x				x			3
Oil and brake lines	Inspect	x	x	x	x	x	x	x	x	x	x	x	1, 2, 5
Fuel lines and fittings	Inspect	x	x	x	x	x	x	x	x	x	x	x	1, 2, 5
Rear brake fluid level	Inspect	x	x	x	x	x	x	x	x	x	x	x	6
DOT4 rear brake fluid moisture content	Check	x	x	x	x	x	x	x	x	x	x	x	1, 2
Brake systems	Replace	Flush brake systems and replace DOT 4 hydraulic brake fluid every two years or sooner if moisture content is 3 percent or greater.											2
Brake pads and discs	Inspect	x	x	x	x	x	x	x	x	x	x	x	
Front axle nut torque	Tighten	x		x		x		x		x		x	1, 2, 4
Jiffy stand	Lubricate	x	x	x	x	x	x	x	x	x	x	x	2, 3
Brake and clutch controls	Lubricate	x	x	x	x	x	x	x	x	x	x	x	2, 7
Rear tire pressure and tread	Check	x	x	x	x	x	x	x	x	x	x	x	1
Drive belt and sprockets	Inspect	x	x	x	x	x	x	x	x	x	x	x	2
Drive belt	Adjust	x	x	x	x	x	x	x	x	x	x	x	2
Rear sprocket isolators	Inspect	Inspect rear sprocket isolators for wear at each rear tire change.											
Rear axle nut torque	Tighten	x		x		x		x		x		x	1, 2, 4
Exhaust system, fasteners and shields	Inspect	x	x	x	x	x	x	x	x	x	x	x	1, 3
12 volt battery	Check	Check battery, terminal torque and clean connections annually. Lubricate terminals with ELECTRICAL CONTACT LUBRICANT.											1
Spark plugs	Replace	Replace spark plugs every two years or every 30,000 mi (48,000 km), whichever comes first.											
Front forks	Rebuild											x	2
Fuel filter	Replace	Replace fuel filter element every 100,000 mi (161,000 km).											2, 3
Component and system functions	Road Test	x	x	x	x	x	x	x	x	x	x	x	

**NOTES**

1. Perform annually or at specified intervals, whichever comes first.
2. Should be performed by an authorized Harley-Davidson dealer, unless you have the proper tools, service data and are mechanically qualified.
3. Perform maintenance more frequently in severe riding conditions. This includes extreme temperatures, dusty environments, mountainous or rough roads, long storage conditions, short runs, heavy stop/go traffic or poor fuel quality.
4. For torque instructions, see Shop Practices in the service manual.
5. Check for leaks, contact or abrasion.
6. Brake fluid level drops as brake pads wear.
7. Use HARLEY LUBE.

**Service Actions**

**Table 2-11. Service Action Definitions**

ACTION	DEFINITION
Inspect	Carefully examine component for excess wear, abnormality, contact, or leaks.
Check	Verify the component is within the owner's manual or service manual service limits. Adjust or repair as necessary.
Lubricate	Lubricate the component as specified in the owner's or service manual with Harley-Davidson approved product.

**Table 2-11. Service Action Definitions**

ACTION	DEFINITION
Replace	Replace the component at the specified intervals.
Clean	Clean the component as specified in the owner's or service manual.
Rebuild	Rebuild the component according to the procedures in the service manual.

**Maintenance Records**

Maintain a record of this service to keep your new motorcycle limited warranty in force. Refer to Table 2-12.

**Table 2-12. Owner's Maintenance Records**

SERVICE MILE INTERVAL	DATE	DEALER NUMBER	TECHNICIAN NAME	TECHNICIAN SIGNATURE
1,000 mi (1,600 km)				
5,000 mi (8,000 km)				
10,000 mi (16,000 km)				
15,000 mi (24,000 km)				
20,000 mi (32,000 km)				
25,000 mi (40,000 km)				
30,000 mi (48,000 km)				
35,000 mi (56,000 km)				
40,000 mi (64,000 km)				
45,000 mi (72,000 km)				
50,000 mi (80,000 km)				

**CVO ROAD GLIDE MODELS (FLTRXSE)**

**Regular Service Intervals**

Service must be performed at specified intervals to keep your Harley-Davidson motorcycle operating at peak performance. Refer to Service Intervals for table.

Refer to Service Actions for service action definitions used in the service interval table.

**NOTE**

- The use of parts and service procedures other than Harley-Davidson approved parts and service procedures may void the limited warranty. Any alterations to the emission system components, such as the intake and exhaust system, may be in violation of motor vehicle laws.

- Some countries, such as Brazil, may require all regular maintenance or additional annual (or semi-annual) regular maintenance steps to be performed to keep your limited warranty in effect and/or comply with vehicle regulations. Check with your authorized Harley-Davidson dealer as well as the motorcycle regulations in your country.
- Whenever a vehicle is in for maintenance:
  - always check for and complete recalls and open product programs.
  - always verify that the latest calibration is installed.
- After completing the final service interval, repeat the service schedule starting at the 8000 km (5000 mi) interval.

**Service Intervals**

**Table 2-13. Regular Service Intervals: Harley-Davidson CVO Road Glide FLTRXSE**

COMPONENT	ACTION	1600 KM	8000 KM	16000 KM	24000 KM	32000 KM	40000 KM	48000 KM	56000 KM	64000 KM	72000 KM	80000 KM	NOTES
		1000 MI	5000 MI	10000 MI	15000 MI	20000 MI	25000 MI	30000 MI	35000 MI	40000 MI	45000 MI	50000 MI	
<b>Service Intervals</b>													
Electrical equipment and switches	Inspect	x	x	x	x	x	x	x	x	x	x	x	
Front tire pressure and tread	Check	x	x	x	x	x	x	x	x	x	x	x	1
Front wheel spoke tightness (if equipped)	Check	x	x			x			x			x	2, 3, 4
Front brake fluid level	Inspect	x	x	x	x	x	x	x	x	x	x	x	6
Clutch cable	Lubricate	x	x	x	x	x	x	x	x	x	x	x	7
Clutch cable	Adjust	x	x	x	x	x	x	x	x	x	x	x	5, 2
DOT4 front brake fluid moisture content	Check	x	x	x	x	x	x	x	x	x	x	x	1, 2
Hand control switch housing screw torque	Tighten	x		x		x		x		x		x	1, 2, 4
Clutch lever handlebar clamp screw torque	Tighten	x		x		x		x		x		x	1, 2, 4
Front brake handlebar clamp screw torque	Tighten	x		x		x		x		x		x	1, 2, 4
Steering head bearings	Lubricate						x					x	2
Air cleaner filter	Inspect		x	x	x	x	x	x	x	x	x	x	3
Engine oil and filter	Replace	x	x	x	x	x	x	x	x	x	x	x	1, 3
Primary chaincase lubricant	Replace	x		x		x		x		x		x	3
<b>NOTES</b>													
1. Perform annually or at specified intervals, whichever comes first.													
2. Should be performed by an authorized Harley-Davidson dealer, unless you have the proper tools, service data and are mechanically qualified.													
3. Perform maintenance more frequently in severe riding conditions. This includes extreme temperatures, dusty environments, mountainous or rough roads, long storage conditions, short runs, heavy stop/go traffic or poor fuel quality.													
4. For torque instructions, see Shop Practices in the service manual.													
5. Check for leaks, contact or abrasion.													
6. Brake fluid level drops as brake pads wear.													
7. Use HARLEY LUBE.													



**Table 2-13. Regular Service Intervals: Harley-Davidson CVO Road Glide FLTRXSE**

COMPONENT	ACTION	1600 KM	8000 KM	16000 KM	24000 KM	32000 KM	40000 KM	48000 KM	56000 KM	64000 KM	72000 KM	80000 KM	NOTES
		1000 MI	5000 MI	10000 MI	15000 MI	20000 MI	25000 MI	30000 MI	35000 MI	40000 MI	45000 MI	50000 MI	
Transmission lubricant	Replace	x				x				x			3
Oil and brake lines	Inspect	x	x	x	x	x	x	x	x	x	x	x	1, 2, 5
Fuel lines and fittings	Inspect	x	x	x	x	x	x	x	x	x	x	x	1, 2, 5
Rear brake fluid level	Inspect	x	x	x	x	x	x	x	x	x	x	x	6
DOT4 rear brake fluid moisture content	Check	x	x	x	x	x	x	x	x	x	x	x	1, 2
Brake systems	Replace	Flush brake systems and replace DOT 4 hydraulic brake fluid every two years or sooner if moisture content is 3 percent or greater.											2
Brake pads and discs	Inspect	x	x	x	x	x	x	x	x	x	x	x	
Front axle nut torque	Tighten	x		x		x		x		x		x	1, 2, 4
Jiffy stand	Lubricate	x	x	x	x	x	x	x	x	x	x	x	2, 3
Brake and clutch controls	Lubricate	x	x	x	x	x	x	x	x	x	x	x	2, 7
Rear tire pressure and tread	Check	x	x	x	x	x	x	x	x	x	x	x	1
Rear wheel spoke tightness (if equipped)	Check	x	x			x			x			x	2, 3, 4
Drive belt and sprockets	Inspect	x	x	x	x	x	x	x	x	x	x	x	2
Drive belt	Adjust	x	x	x	x	x	x	x	x	x	x	x	2
Rear sprocket isolators	Inspect	Inspect rear sprocket isolators for wear at each rear tire change.											
Rear axle nut torque	Tighten	x		x		x		x		x		x	1, 2, 4
Exhaust system, fasteners and shields	Inspect	x	x	x	x	x	x	x	x	x	x	x	1, 3
12 volt battery	Check	Check battery, terminal torque and clean connections annually. Lubricate terminals with ELECTRICAL CONTACT LUBRICANT.											1
Spark plugs	Replace	Replace spark plugs every two years or every 30,000 mi (48,000 km), whichever comes first.											
Front forks	Rebuild											x	2
Fuel filter	Replace	Replace fuel filter element every 100,00 mi (161,000 km).											2, 3
Component and system functions	Road Test	x	x	x	x	x	x	x	x	x	x	x	

**NOTES**

1. Perform annually or at specified intervals, whichever comes first.
2. Should be performed by an authorized Harley-Davidson dealer, unless you have the proper tools, service data and are mechanically qualified.
3. Perform maintenance more frequently in severe riding conditions. This includes extreme temperatures, dusty environments, mountainous or rough roads, long storage conditions, short runs, heavy stop/go traffic or poor fuel quality.
4. For torque instructions, see Shop Practices in the service manual.
5. Check for leaks, contact or abrasion.
6. Brake fluid level drops as brake pads wear.
7. Use HARLEY LUBE.

**Service Actions**

**Table 2-14. Service Action Definitions**

ACTION	DEFINITION
Inspect	Carefully examine component for excess wear, abnormality, contact, or leaks.
Check	Verify the component is within the owner's manual or service manual service limits. Adjust or repair as necessary.
Lubricate	Lubricate the component as specified in the owner's or service manual with Harley-Davidson approved product.

**Table 2-14. Service Action Definitions**

ACTION	DEFINITION
Replace	Replace the component at the specified intervals.
Clean	Clean the component as specified in the owner's or service manual.
Rebuild	Rebuild the component according to the procedures in the service manual.

**Maintenance Records**

Maintain a record of this service to keep your new motorcycle limited warranty in force. Refer to Table 2-15.

**Table 2-15. Owner's Maintenance Records**

SERVICE MILE INTERVAL	DATE	DEALER NUMBER	TECHNICIAN NAME	TECHNICIAN SIGNATURE
1,000 mi (1,600 km)				
5,000 mi (8,000 km)				
10,000 mi (16,000 km)				
15,000 mi (24,000 km)				
20,000 mi (32,000 km)				
25,000 mi (40,000 km)				
30,000 mi (48,000 km)				
35,000 mi (56,000 km)				
40,000 mi (64,000 km)				

**Table 2-15. Owner's Maintenance Records**

<b>SERVICE MILE INTERVAL</b>	<b>DATE</b>	<b>DEALER NUMBER</b>	<b>TECHNICIAN NAME</b>	<b>TECHNICIAN SIGNATURE</b>
45,000 mi (72,000 km)				
50,000 mi (80,000 km)				

**SUBJECT**

3.1 MAINTENANCE SCHEDULE.....

**PAGE NO.**

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## NOTES

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## SOFTAIL MODELS

### Regular Service Intervals

Service must be performed at specified intervals to keep your Harley-Davidson motorcycle operating at peak performance. Refer to Service Intervals for table.

Refer to Service Actions for service action definitions used in the service interval table.

#### NOTE

- The use of parts and service procedures other than Harley-Davidson approved parts and service procedures may void the limited warranty. Any alterations to the emission system components, such as the intake and exhaust system, may be in violation of motor vehicle laws.

- Some countries, such as Brazil, may require all regular maintenance or additional annual (or semi-annual) regular maintenance steps to be performed to keep your limited warranty in effect and/or comply with vehicle regulations. Check with your authorized Harley-Davidson dealer as well as the motorcycle regulations in your country.
- Whenever a vehicle is in for maintenance:
  - always check for and complete recalls and open product programs.
  - always verify that the latest calibration is installed.
- After completing the final service interval, repeat the service schedule starting at the 8000 km (5000 mi) interval.

### Service Intervals

Table 3-1. Regular Service Intervals: Harley-Davidson Softail Models

COMPONENT	ACTION	1600 KM	8000 KM	16000 KM	24000 KM	32000 KM	40000 KM	48000 KM	56000 KM	64000 KM	72000 KM	80000 KM	NOTES
		1000 MI	5000 MI	10000 MI	15000 MI	20000 MI	25000 MI	30000 MI	35000 MI	40000 MI	45000 MI	50000 MI	
<b>Service Intervals</b>													
Electrical equipment and switches	Inspect	x	x	x	x	x	x	x	x	x	x	x	
Front tire pressure and tread	Check	x	x	x	x	x	x	x	x	x	x	x	1
Front wheel spoke tightness (if equipped)	Check	x	x			x			x			x	2, 4, 3
Front brake fluid level	Inspect	x	x	x	x	x	x	x	x	x	x	x	7
DOT4 front brake fluid moisture content	Check	x	x	x	x	x	x	x	x	x	x	x	1, 2
Steering head bearings	Adjust	x		x		x		x		x		x	2
Steering head bearings	Lubricate							x					2
Windshield bushings (if applicable)	Inspect			x		x		x		x		x	
Upper and lower switch housing screw torque	Tighten	x		x		x		x		x		x	1, 2, 5
Clutch lever handlebar clamp screw torque	Tighten	x		x		x		x		x		x	1, 2, 5
Master cylinder handlebar clamp screw torque	Tighten	x		x		x		x		x		x	1, 2, 5
Front brake handlebar clamp screw torque	Tighten	x		x		x		x		x		x	1, 2, 5
Air cleaner filter	Inspect		x	x	x	x	x	x	x	x	x	x	3
Engine oil and filter	Replace	x	x	x	x	x	x	x	x	x	x	x	1, 3
Oil cooler	Clean	x	x	x	x	x	x	x	x	x	x	x	
Primary chaincase lubricant	Replace	x		x		x		x		x		x	3, 2
Transmission lubricant	Replace	x				x				x			3, 2
Oil and brake lines	Inspect	x	x	x	x	x	x	x	x	x	x	x	1, 2, 6
Fuel lines and fittings	Inspect	x	x	x	x	x	x	x	x	x	x	x	1, 2, 6
Rear brake fluid level	Inspect	x	x	x	x	x	x	x	x	x	x	x	7
DOT4 rear brake fluid moisture content	Check	x	x	x	x	x	x	x	x	x	x	x	1, 2
Brake systems	Replace	<b>Flush brake systems and replace DOT 4 hydraulic brake fluid every two years or sooner if moisture content is 3 percent or greater.</b>											2
Brake pads and discs	Inspect	x	x	x	x	x	x	x	x	x	x	x	
Front axle nut torque	Tighten	x		x		x		x		x		x	1, 2, 5
<b>NOTES</b>													
1. Perform annually or at specified intervals, whichever comes first.													
2. Should be performed by an authorized Harley-Davidson dealer, unless you have the proper tools, service data and are mechanically qualified.													
3. Perform maintenance more frequently in severe riding conditions. This includes extreme temperatures, dusty environments, mountainous or rough roads, long storage conditions, short runs, heavy stop/go traffic or poor fuel quality.													
4. Perform spoke tension check at 1,000 mi (2,000 km), 5,000 mi (8,000 km), 20,000 mi (32,000 km) services and every 15,000 mi (24,000 km) interval thereafter. Not all vehicles have spoked wheels. Consult appropriate topic in the service manual.													
5. For torque instructions, see Shop Practices in the service manual.													
6. Check for leaks, contact or abrasion.													
7. Brake fluid level drops as brake pads wear.													
8. Use HARLEY LUBE.													

**Table 3-1. Regular Service Intervals: Harley-Davidson Softail Models**

COMPONENT	ACTION	1600 KM	8000 KM	16000 KM	24000 KM	32000 KM	40000 KM	48000 KM	56000 KM	64000 KM	72000 KM	80000 KM	NOTES
		1000 MI	5000 MI	10000 MI	15000 MI	20000 MI	25000 MI	30000 MI	35000 MI	40000 MI	45000 MI	50000 MI	
Jiffy stand	Lubricate	x	x	x	x	x	x	x	x	x	x	x	2, 3
Clutch system	Adjust	x	x	x	x	x	x	x	x	x	x	x	2, 3
Brake and clutch controls	Lubricate	x	x	x	x	x	x	x	x	x	x	x	2, 8
Rear wheel spoke tightness (if equipped)	Check	x	x			x			x			x	2, 3, 4
Rear tire pressure and tread	Check	x	x	x	x	x	x	x	x	x	x	x	1
Drive belt and sprockets	Inspect	x	x	x	x	x	x	x	x	x	x	x	2
Drive belt	Adjust	x	x	x	x	x	x	x	x	x	x	x	2
Rear axle nut torque	Tighten	x		x		x		x		x		x	1, 2, 5
Exhaust system, fasteners and shields	Inspect	x	x	x	x	x	x	x	x	x	x	x	1, 3
12 volt battery	Check	<b>Check battery, terminal torque and clean connections annually. Lubricate terminals with ELECTRICAL CONTACT LUBRICANT.</b>											1
Spark plugs	Replace	<b>Replace spark plugs every two years or every 30,000 mi (48,000 km), whichever comes first.</b>											
Front forks	Rebuild											x	2, 3
Fuel filter	Replace	<b>Replace fuel filter element every 100,000 mi (161,000 km).</b>											2, 3
Component and system functions	Road Test	x	x	x	x	x	x	x	x	x	x	x	
<b>NOTES</b>													
1. Perform annually or at specified intervals, whichever comes first. 2. Should be performed by an authorized Harley-Davidson dealer, unless you have the proper tools, service data and are mechanically qualified. 3. Perform maintenance more frequently in severe riding conditions. This includes extreme temperatures, dusty environments, mountainous or rough roads, long storage conditions, short runs, heavy stop/go traffic or poor fuel quality. 4. Perform spoke tension check at 1,000 mi (2,000 km), 5,000 mi (8,000 km), 20,000 mi (32,000 km) services and every 15,000 mi (24,000 km) interval thereafter. Not all vehicles have spoked wheels. Consult appropriate topic in the service manual. 5. For torque instructions, see Shop Practices in the service manual. 6. Check for leaks, contact or abrasion. 7. Brake fluid level drops as brake pads wear. 8. Use HARLEY LUBE.													

**Service Actions**

**Table 3-2. Service Action Definitions**

ACTION	DEFINITION
Inspect	Carefully examine component for excess wear, abnormality, contact, or leaks.
Check	Verify the component is within the owner's manual or service manual service limits. Adjust or repair as necessary.
Lubricate	Lubricate the component as specified in the owner's or service manual with Harley-Davidson approved product.

**Table 3-2. Service Action Definitions**

ACTION	DEFINITION
Replace	Replace the component at the specified intervals.
Clean	Clean the component as specified in the owner's or service manual.
Rebuild	Rebuild the component according to the procedures in the service manual.

**Maintenance Records**

Maintain a record of this service to keep your new motorcycle limited warranty in force. Refer to Table 3-3.

**Table 3-3. Owner's Maintenance Records**

SERVICE MILE INTERVAL	DATE	DEALER NUMBER	TECHNICIAN NAME	TECHNICIAN SIGNATURE
1,000 mi (1,600 km)				
5,000 mi (8,000 km)				
10,000 mi (16,000 km)				
15,000 mi (24,000 km)				
20,000 mi (32,000 km)				
25,000 mi (40,000 km)				
30,000 mi (48,000 km)				
35,000 mi (56,000 km)				
40,000 mi (64,000 km)				
45,000 mi (72,000 km)				
50,000 mi (80,000 km)				

**SUBJECT**

4.1 MAINTENANCE SCHEDULE.....

**PAGE NO.**

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## NOTES

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## TRIKE MODELS

### Regular Service Intervals

Service must be performed at specified intervals to keep your Harley-Davidson motorcycle operating at peak performance. Refer to Service Intervals for table.

Refer to Service Actions for service action definitions used in the service interval table.

#### NOTE

- The use of parts and service procedures other than Harley-Davidson approved parts and service procedures may void the limited warranty. Any alterations to the emission system components, such as the intake and exhaust system, may be in violation of motor vehicle laws.

- Some countries, such as Brazil, may require all regular maintenance or additional annual (or semi-annual) regular maintenance steps to be performed to keep your limited warranty in effect and/or comply with vehicle regulations. Check with your authorized Harley-Davidson dealer as well as the motorcycle regulations in your country.
- Whenever a vehicle is in for maintenance:
  - always check for and complete recalls and open product programs.
  - always verify that the latest calibration is installed.
- After completing the final service interval, repeat the service schedule starting at the 8000 km (5000 mi) interval.

### Service Intervals

Table 4-1. Regular Service Intervals: Harley-Davidson Trike Models

COMPONENT	ACTION	1600 KM	8000 KM	16000 KM	24000 KM	32000 KM	40000 KM	48000 KM	56000 KM	64000 KM	72000 KM	80000 KM	NOTES
		1000 MI	5000 MI	10000 MI	15000 MI	20000 MI	25000 MI	30000 MI	35000 MI	40000 MI	45000 MI	50000 MI	
<b>Service Intervals</b>													
Electrical equipment and switches	Inspect	x	x	x	x	x	x	x	x	x	x	x	
Front tire pressure and tread	Check	x	x	x	x	x	x	x	x	x	x	x	1
Front brake fluid level	Inspect	x	x	x	x	x	x	x	x	x	x	x	6
Clutch cable	Lubricate	x	x	x	x	x	x	x	x	x	x	x	10
Clutch cable	Adjust	x	x	x	x	x	x	x	x	x	x	x	2
DOT4 front brake fluid moisture content	Check	x	x	x	x	x	x	x	x	x	x	x	1, 2
Hand control switch housing screw torque	Tighten	x		x		x		x		x		x	1, 2, 4
Clutch lever handlebar clamp screw torque	Tighten	x		x		x		x		x		x	1, 2, 4
Front brake handlebar clamp screw torque	Tighten	x		x		x		x		x		x	1, 2, 4
Steering head bearings	Lubricate						x					x	2
Steering dampener	Check	x	x	x	x	x	x	x	x	x	x	x	8
Air cleaner filter	Inspect	x	x	x	x	x	x	x	x	x	x	x	3
Engine oil and filter	Replace	x	x	x	x	x	x	x	x	x	x	x	1, 3
Oil pan fastener torque	Tighten	x											4
Engine coolant	Check	x	x	x	x	x	x	x	x	x	x	x	9
Engine coolant	Replace										x		2
Radiators or oil cooler	Clean	x	x	x	x	x	x	x	x	x	x	x	
Primary chaincase lubricant	Replace	x		x		x		x		x		x	3
Transmission lubricant	Replace	x				x				x			3
Oil and brake lines	Inspect	x	x	x	x	x	x	x	x	x	x	x	1, 2, 5
Fuel lines and fittings	Inspect	x	x	x	x	x	x	x	x	x	x	x	1, 2, 5
Rear brake fluid level	Inspect	x	x	x	x	x	x	x	x	x	x	x	6
DOT4 rear brake fluid moisture content	Check	x	x	x	x	x	x	x	x	x	x	x	1, 2
Brake system	Replace	____ Flush brake system and replace DOT 4 hydraulic brake fluid every two years or sooner if moisture content is 3 percent or greater.											2
Brake pads and discs	Inspect	x	x	x	x	x	x	x	x	x	x	x	
<b>NOTES</b>													
1. Perform annually or at specified intervals, whichever comes first.													
2. Should be performed by an authorized Harley-Davidson dealer, unless you have the proper tools, service data and are mechanically qualified.													
3. Perform maintenance more frequently in severe riding conditions. This includes extreme temperatures, dusty environments, mountainous or rough roads, long storage conditions, short runs, heavy stop/go traffic or poor fuel quality.													
4. For torque instructions, see Shop Practices in the service manual.													
5. Check for leaks, contact or abrasion.													
6. Brake fluid level drops as brake pads wear.													
7. Always check lug nut torque within 500-1,000 mi (800-1,600 km) after wheel installation.													
8. Check for leaks, smooth damper action and mounting fastener torque.													
9. Check coolant freeze point and inspect for leaks.													
10. Use HARLEY LUBE.													

**Table 4-1. Regular Service Intervals: Harley-Davidson Trike Models**

COMPONENT	ACTION	1600 KM	8000 KM	16000 KM	24000 KM	32000 KM	40000 KM	48000 KM	56000 KM	64000 KM	72000 KM	80000 KM	NOTES
		1000 MI	5000 MI	10000 MI	15000 MI	20000 MI	25000 MI	30000 MI	35000 MI	40000 MI	45000 MI	50000 MI	
Brake and clutch controls	Lubricate	x	x	x	x	x	x	x	x	x	x	x	2, 10
Parking brake	Adjust	x	x	x	x	x	x	x	x	x	x	x	2
Rear tire pressure and tread	Check	x	x	x	x	x	x	x	x	x	x	x	1
Drive belt and sprockets	Inspect	x	x	x	x	x	x	x	x	x	x	x	2
Drive belt	Adjust	x	x	x	x	x	x	x	x	x	x	x	2
Rear sprocket isolators	Inspect					x				x			2
Rear lug nut	Tighten	x		x		x		x		x		x	1, 2, 4, 7
Rear fork pivot shaft nut	Tighten	x		x		x		x		x		x	1, 2, 4
Exhaust system, fasteners and shields	Inspect	x	x	x	x	x	x	x	x	x	x	x	1, 3
12 volt battery	Check	<b>Check battery, terminal torque and clean connections annually. Lubricate terminals with ELECTRICAL CONTACT LUBRICANT.</b>											1
Spark plugs	Replace	<b>Replace spark plugs every two years or every 30,000 mi (48,000 km), whichever comes first.</b>											
Fuel door hinge and latch	Lubricate	x	x	x	x	x	x	x	x	x	x	x	10
Trunk lock and latch	Lubricate	x	x	x	x	x	x	x	x	x	x	x	10
Front forks	Rebuild											x	2
Fuel filter	Replace	<b>Replace fuel filter element every 100,000 mi (161,000 km).</b>											2, 3
Reverse operation	Road Test	x	x	x	x	x	x	x	x	x	x	x	
Component and system functions	Road Test	x	x	x	x	x	x	x	x	x	x	x	

**NOTES**

1. Perform annually or at specified intervals, whichever comes first.
2. Should be performed by an authorized Harley-Davidson dealer, unless you have the proper tools, service data and are mechanically qualified.
3. Perform maintenance more frequently in severe riding conditions. This includes extreme temperatures, dusty environments, mountainous or rough roads, long storage conditions, short runs, heavy stop/go traffic or poor fuel quality.
4. For torque instructions, see Shop Practices in the service manual.
5. Check for leaks, contact or abrasion.
6. Brake fluid level drops as brake pads wear.
7. Always check lug nut torque within 500-1,000 mi (800-1,600 km) after wheel installation.
8. Check for leaks, smooth damper action and mounting fastener torque.
9. Check coolant freeze point and inspect for leaks.
10. Use HARLEY LUBE.

**Service Actions**

**Table 4-2. Service Action Definitions**

ACTION	DEFINITION
Inspect	Carefully examine component for excess wear, abnormality, contact, or leaks.
Check	Verify the component is within the owner's manual or service manual service limits. Adjust or repair as necessary.
Lubricate	Lubricate the component as specified in the owner's or service manual with Harley-Davidson approved product.

**Table 4-2. Service Action Definitions**

ACTION	DEFINITION
Replace	Replace the component at the specified intervals.
Clean	Clean the component as specified in the owner's or service manual.
Rebuild	Rebuild the component according to the procedures in the service manual.

**Maintenance Records**

Maintain a record of this service to keep your new motorcycle limited warranty in force. Refer to Table 4-3.

**Table 4-3. Owner's Maintenance Records**

SERVICE MILE INTERVAL	DATE	DEALER NUMBER	TECHNICIAN NAME	TECHNICIAN SIGNATURE
1,000 mi (1,600 km)				
5,000 mi (8,000 km)				
10,000 mi (16,000 km)				
15,000 mi (24,000 km)				
20,000 mi (32,000 km)				
25,000 mi (40,000 km)				
30,000 mi (48,000 km)				
35,000 mi (56,000 km)				
40,000 mi (64,000 km)				
45,000 mi (72,000 km)				
50,000 mi (80,000 km)				

## CVO TRIKE MODELS (FLHTCUTGSE)

### Regular Service Intervals

Service must be performed at specified intervals to keep your Harley-Davidson motorcycle operating at peak performance. Refer to Service Intervals for table.

Refer to Service Actions for service action definitions used in the service interval table.

#### NOTE

- The use of parts and service procedures other than Harley-Davidson approved parts and service procedures may void the limited warranty. Any alterations to the emission system components, such as the intake and exhaust system, may be in violation of motor vehicle laws.

- Some countries, such as Brazil, may require all regular maintenance or additional annual (or semi-annual) regular maintenance steps to be performed to keep your limited warranty in effect and/or comply with vehicle regulations. Check with your authorized Harley-Davidson dealer as well as the motorcycle regulations in your country.
- Whenever a vehicle is in for maintenance:
  - always check for and complete recalls and open product programs.
  - always verify that the latest calibration is installed.
- After completing the final service interval, repeat the service schedule starting at the 8000 km (5000 mi) interval.

### Service Intervals

Table 4-4. Regular Service Intervals: Harley-Davidson CVO Tri Glide FLHTCUTGSE

COMPONENT	ACTION	1600 KM	8000 KM	16000 KM	24000 KM	32000 KM	40000 KM	48000 KM	56000 KM	64000 KM	72000 KM	80000 KM	NOTES
		1000 MI	5000 MI	10000 MI	15000 MI	20000 MI	25000 MI	30000 MI	35000 MI	40000 MI	45000 MI	50000 MI	
<b>Service Intervals</b>													
Electrical equipment and switches	Inspect	x	x	x	x	x	x	x	x	x	x	x	
Front tire pressure and tread	Check	x	x	x	x	x	x	x	x	x	x	x	1
Front brake fluid level	Inspect	x	x	x	x	x	x	x	x	x	x	x	6
Clutch cable	Lubricate	x	x	x	x	x	x	x	x	x	x	x	10
Clutch cable	Adjust	x	x	x	x	x	x	x	x	x	x	x	2
DOT4 front brake fluid moisture content	Check	x	x	x	x	x	x	x	x	x	x	x	1, 2
Hand control switch housing screw torque	Tighten	x		x		x		x		x		x	1, 2, 4
Clutch lever handlebar clamp screw torque	Tighten	x		x		x		x		x		x	1, 2, 4
Front brake handlebar clamp screw torque	Tighten	x		x		x		x		x		x	1, 2, 4
Steering head bearings	Lubricate						x					x	2
Steering dampener	Check	x	x	x	x	x	x	x	x	x	x	x	8
Air cleaner filter	Inspect		x	x	x	x	x	x	x	x	x	x	3
Engine oil and filter	Replace	x	x	x	x	x	x	x	x	x	x	x	1, 3
Oil pan fastener torque	Tighten	x											4
Engine coolant	Check	x	x	x	x	x	x	x	x	x	x	x	9
Engine coolant	Replace										x		2
Radiators or oil cooler	Clean	x	x	x	x	x	x	x	x	x	x	x	
Primary chaincase lubricant	Replace	x		x		x		x		x		x	3
Transmission lubricant	Replace	x				x				x			3
Oil and brake lines	Inspect	x	x	x	x	x	x	x	x	x	x	x	1, 2, 5
Fuel lines and fittings	Inspect	x	x	x	x	x	x	x	x	x	x	x	1, 2, 5
Rear brake fluid level	Inspect	x	x	x	x	x	x	x	x	x	x	x	6
DOT4 rear brake fluid moisture content	Check	x	x	x	x	x	x	x	x	x	x	x	1, 2
Brake system	Replace	Flush brake system and replace DOT 4 hydraulic brake fluid every two years or sooner if moisture content is 3 percent or greater.											2
Brake pads and discs	Inspect	x	x	x	x	x	x	x	x	x	x	x	
Brake and clutch controls	Lubricate	x	x	x	x	x	x	x	x	x	x	x	2, 10
Parking brake	Adjust	x	x	x	x	x	x	x	x	x	x	x	2
Rear tire pressure and tread	Check	x	x	x	x	x	x	x	x	x	x	x	1
<b>NOTES</b>													
1. Perform annually or at specified intervals, whichever comes first.													
2. Should be performed by an authorized Harley-Davidson dealer, unless you have the proper tools, service data and are mechanically qualified.													
3. Perform maintenance more frequently in severe riding conditions. This includes extreme temperatures, dusty environments, mountainous or rough roads, long storage conditions, short runs, heavy stop/go traffic or poor fuel quality.													
4. For torque instructions, see Shop Practices in the service manual.													
5. Check for leaks, contact or abrasion.													
6. Brake fluid level drops as brake pads wear.													
7. Always check lug nut torque within 500-1,000 mi (800-1,600 km) after wheel installation.													
8. Check for leaks, smooth damper action and mounting fastener torque.													
9. Check coolant freeze point and inspect for leaks.													
10. Use HARLEY LUBE.													

**Table 4-4. Regular Service Intervals: Harley-Davidson CVO Tri Glide FLHTCUTGSE**

COMPONENT	ACTION	1600 KM	8000 KM	16000 KM	24000 KM	32000 KM	40000 KM	48000 KM	56000 KM	64000 KM	72000 KM	80000 KM	NOTES
		1000 MI	5000 MI	10000 MI	15000 MI	20000 MI	25000 MI	30000 MI	35000 MI	40000 MI	45000 MI	50000 MI	
Drive belt and sprockets	Inspect	x	x	x	x	x	x	x	x	x	x	x	2
Drive belt	Adjust	x	x	x	x	x	x	x	x	x	x	x	2
Rear sprocket isolators	Inspect					x				x			2
Rear lug nut	Tighten	x		x		x		x		x		x	1, 2, 4, 7
Rear fork pivot shaft nut	Tighten	x		x		x		x		x		x	1, 2, 4
Exhaust system, fasteners and shields	Inspect	x	x	x	x	x	x	x	x	x	x	x	1, 3
12 volt battery	Check	<b>Check battery, terminal torque and clean connections annually. Lubricate terminals with ELECTRICAL CONTACT LUBRICANT.</b>											1
Spark plugs	Replace	<b>Replace spark plugs every two years or every 30,000 mi (48,000 km), whichever comes first.</b>											
Fuel door hinge and latch	Lubricate	x	x	x	x	x	x	x	x	x	x	x	10
Trunk lock and latch	Lubricate	x	x	x	x	x	x	x	x	x	x	x	10
Front forks	Rebuild											x	2
Fuel filter	Replace	<b>Replace fuel filter element every 100,000 mi (161,000 km).</b>											2, 3
Reverse operation	Road Test	x	x	x	x	x	x	x	x	x	x	x	
Component and system functions	Road Test	x	x	x	x	x	x	x	x	x	x	x	

**NOTES**

1. Perform annually or at specified intervals, whichever comes first.
2. Should be performed by an authorized Harley-Davidson dealer, unless you have the proper tools, service data and are mechanically qualified.
3. Perform maintenance more frequently in severe riding conditions. This includes extreme temperatures, dusty environments, mountainous or rough roads, long storage conditions, short runs, heavy stop/go traffic or poor fuel quality.
4. For torque instructions, see Shop Practices in the service manual.
5. Check for leaks, contact or abrasion.
6. Brake fluid level drops as brake pads wear.
7. Always check lug nut torque within 500-1,000 mi (800-1,600 km) after wheel installation.
8. Check for leaks, smooth damper action and mounting fastener torque.
9. Check coolant freeze point and inspect for leaks.
10. Use HARLEY LUBE.

**Service Actions**

**Table 4-5. Service Action Definitions**

ACTION	DEFINITION
Inspect	Carefully examine component for excess wear, abnormality, contact, or leaks.
Check	Verify the component is within the owner's manual or service manual service limits. Adjust or repair as necessary.
Lubricate	Lubricate the component as specified in the owner's or service manual with Harley-Davidson approved product.

**Table 4-5. Service Action Definitions**

ACTION	DEFINITION
Replace	Replace the component at the specified intervals.
Clean	Clean the component as specified in the owner's or service manual.
Rebuild	Rebuild the component according to the procedures in the service manual.

**Maintenance Records**

Maintain a record of this service to keep your new motorcycle limited warranty in force. Refer to Table 4-6.

**Table 4-6. Owner's Maintenance Records**

SERVICE MILE INTERVAL	DATE	DEALER NUMBER	TECHNICIAN NAME	TECHNICIAN SIGNATURE
1,000 mi (1,600 km)				
5,000 mi (8,000 km)				
10,000 mi (16,000 km)				
15,000 mi (24,000 km)				
20,000 mi (32,000 km)				
25,000 mi (40,000 km)				
30,000 mi (48,000 km)				
35,000 mi (56,000 km)				
40,000 mi (64,000 km)				
45,000 mi (72,000 km)				
50,000 mi (80,000 km)				

**SUBJECT**

5.1 MAINTENANCE SCHEDULE.....

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## NOTES

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## LIVEWIRE MODEL

### Regular Service Intervals

Service must be performed at specified intervals to keep your Harley-Davidson motorcycle operating at peak performance. Refer to Service Intervals for table.

Refer to Service Actions for service action definitions used in the service interval table.

#### NOTE

- The use of parts and service procedures other than Harley-Davidson approved parts and service procedures may void the limited warranty. Any alterations to the emission system components, such as the intake and exhaust system, may be in violation of motor vehicle laws.

- Some countries, such as Brazil, may require all regular maintenance or additional annual (or semi-annual) regular maintenance steps to be performed to keep your limited warranty in effect and/or comply with vehicle regulations. Check with your authorized Harley-Davidson dealer as well as the motorcycle regulations in your country.
- Whenever a vehicle is in for maintenance:
  - always check for and complete recalls and open product programs.
  - always verify that the latest calibration is installed.
- After completing the final service interval, repeat the service schedule starting at the 8000 km (5000 mi) interval.

### Service Intervals

Table 5-1. Regular Service Intervals: LiveWire ONE Models

COMPONENT	ACTION	1600 KM	8000 KM	16000 KM	24000 KM	32000 KM	40000 KM	48000 KM	56000 KM	64000 KM	72000 KM	80000 KM	NOTES
		1000 MI	5000 MI	10000 MI	15000 MI	20000 MI	25000 MI	30000 MI	35000 MI	40000 MI	45000 MI	50000 MI	
<b>Service Intervals</b>													
Electrical equipment and switches	Inspect	x	x	x	x	x	x	x	x	x	x	x	
Front tire pressure and tread	Check	x	x	x	x	x	x	x	x	x	x	x	1
Front brake fluid level	Check	x	x	x	x	x	x	x	x	x	x	x	
DOT4 front brake fluid moisture content	Check	x	x	x	x	x	x	x	x	x	x	x	
Hand control switch housing screw torque	Check	x		x		x		x		x		x	1, 5, 3
Master cylinder and left side handlebar clamp screw torque	Check	x		x		x		x		x		x	1, 5, 3
Steering head bearings	Adjust	x		x		x		x		x		x	
Steering head bearings	Lubricate							x					5
Coolant system	Inspect	x	x	x	x	x	x	x	x	x	x	x	
Coolant system freeze point	Check	x	x	x	x	x	x	x	x	x	x	x	
Coolant	Replace											x	5
Radiator fins	Clean	x	x	x	x	x	x	x	x	x	x	x	
Transmission lubricant	Replace	x				x				x			2
High voltage cables	Inspect	x	x	x	x	x	x	x	x	x	x	x	5
Rear brake fluid level	Check	x	x	x	x	x	x	x	x	x	x	x	
DOT4 rear brake fluid moisture content	Check	x	x	x	x	x	x	x	x	x	x	x	
Brake system fluid	Replace	<b>Flush brake system and replace DOT 4 hydraulic brake fluid every two years or sooner if moisture content is 3% or greater.</b>											5
Brake system	Inspect	x	x	x	x	x	x	x	x	x	x	x	1, 5
Brake pads and discs	Inspect	x	x	x	x	x	x	x	x	x	x	x	
Front axle nut torque	Check	x		x		x		x		x		x	1, 5, 3
Jiffy stand	Lubricate	x	x	x	x	x	x	x	x	x	x	x	5, 2
Brake controls	Lubricate	x	x	x	x	x	x	x	x	x	x	x	
Rear tire pressure and tread	Check	x	x	x	x	x	x	x	x	x	x	x	1
Drive belt and sprockets	Inspect	x	x	x	x	x	x	x	x	x	x	x	5
Drive belt tension	Check	x	x	x	x	x	x	x	x	x	x	x	5
Rear axle torque	Check	x		x		x		x		x		x	1, 5, 3
12 volt battery	Inspect	x	x	x	x	x	x	x	x	x	x	x	4
Front forks	Rebuild											x	5
Road test to verify component and system functions	Road Test	x	x	x	x	x	x	x	x	x	x	x	

#### NOTES

- Perform annually or at specified intervals, whichever comes first.
- Perform maintenance more frequently in severe riding conditions. This includes extreme temperatures, dusty environments, mountainous or rough roads, long storage conditions, short runs, heavy stop/go traffic or poor fuel quality.
- For torque instructions, see Shop Practices in the service manual.
- Check battery, terminal torque and clean connections annually. Lubricate terminals with ELECTRICAL CONTACT LUBRICANT.
- Should be performed by an authorized LiveWire dealer, unless you have the proper tools, service data and are mechanically qualified.

## Service Actions

**Table 5-2. Service Action Definitions**

<b>ACTION</b>	<b>DEFINITION</b>
Inspect	Carefully examine component for excess wear, abnormality, contact, or leaks.
Check	Verify the component is within the owner's manual or service manual service limits. Adjust or repair as necessary.
Lubricate	Lubricate the component as specified in the owner's or service manual with Harley-Davidson approved product.

**Table 5-2. Service Action Definitions**

<b>ACTION</b>	<b>DEFINITION</b>
Replace	Replace the component at the specified intervals.
Clean	Clean the component as specified in the owner's or service manual.
Rebuild	Rebuild the component according to the procedures in the service manual.

## Maintenance Records

Maintain a record of this service to keep your new motorcycle limited warranty in force. Refer to Table 5-3.

**Table 5-3. Owner's Maintenance Records**

<b>SERVICE MILE INTERVAL</b>	<b>DATE</b>	<b>DEALER NUMBER</b>	<b>TECHNICIAN NAME</b>	<b>TECHNICIAN SIGNATURE</b>
1,000 mi (1,600 km)				
5,000 mi (8,000 km)				
10,000 mi (16,000 km)				
15,000 mi (24,000 km)				
20,000 mi (32,000 km)				
25,000 mi (40,000 km)				
30,000 mi (48,000 km)				
35,000 mi (56,000 km)				
40,000 mi (64,000 km)				
45,000 mi (72,000 km)				
50,000 mi (80,000 km)				



**SUBJECT**

6.1 MAINTENANCE SCHEDULE.....

**PAGE NO.**

6-1

## NOTES

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## PAN AMERICA MODELS

### Regular Service Intervals

Service must be performed at specified intervals to keep your Harley-Davidson motorcycle operating at peak performance. Refer to Service Intervals for table.

Refer to Service Actions for service action definitions used in the service interval table.

#### NOTE

- The use of parts and service procedures other than Harley-Davidson approved parts and service procedures may void the limited warranty. Any alterations to the emission system components, such as the intake and exhaust system, may be in violation of motor vehicle laws.

- Some countries, such as Brazil, may require all regular maintenance or additional annual (or semi-annual) regular maintenance steps to be performed to keep your limited warranty in effect and/or comply with vehicle regulations. Check with your authorized Harley-Davidson dealer as well as the motorcycle regulations in your country.
- Whenever a vehicle is in for maintenance:
  - always check for and complete recalls and open product programs.
  - always verify that the latest calibration is installed.
- After completing the final service interval, repeat the service schedule starting at the 8000 km (5000 mi) interval.

### Service Intervals

Table 6-1. Regular Service Intervals: Harley-Davidson Pan-America Models

COMPONENT	ACTION	1600 KM	1000 MI	8000 KM	5000 MI	16000 KM	10000 MI	24000 KM	15000 MI	32000 KM	20000 MI	40000 KM	25000 MI	48000 KM	30000 MI	56000 KM	35000 MI	64000 KM	40000 MI	72000 KM	45000 MI	80000 KM	50000 MI	NOTES
<b>Service Intervals</b>																								
Electrical equipment and switches	Inspect	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
Front tire pressure and tread	Check	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	1
Front wheel spoke tightness (if equipped)	Check	x	x							x						x							x	2, 4, 3
Front brake fluid level	Inspect	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	7
DOT4 front brake fluid moisture content	Check	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	1, 2
Steering head bearings	Adjust	x				x				x				x									x	2
Steering head bearings	Lubricate											x											x	2
Clutch lever handlebar clamp screw torque	Tighten	x				x				x				x									x	1, 2, 5
Master cylinder handlebar clamp screw torque	Tighten	x				x				x				x									x	1, 2, 5
Air cleaner filter	Inspect	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	3
Engine oil and filter	Replace	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	1, 3
Coolant	Replace	Replace coolant every 30000 mi (48000 km)																				2		
Clean radiators and oil cooler	Clean	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
Brake system	Inspect	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	1, 2
Fuel lines and fittings	Inspect	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	1, 2
Rear brake fluid level	Inspect	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	7
DOT4 rear brake fluid moisture content	Check	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	1, 2
Brake systems	Replace	Flush brake systems and replace DOT 4 hydraulic brake fluid every two years or sooner if moisture content is 3 percent or greater.																				2		
Brake pads and discs	Inspect	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
Jiffy stand	Lubricate	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	2, 3
Centerstand (if equipped)	Lubricate	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	2, 3
Clutch system	Adjust	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	2, 3
Brake and clutch controls	Lubricate	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	2, 8, 3
Rear wheel spoke tightness (if equipped)	Check	x	x							x						x							x	2, 3, 4
Rear tire pressure and tread	Check	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	1
<b>NOTES</b>																								
1. Perform annually or at specified intervals, whichever comes first.																								
2. Should be performed by an authorized Harley-Davidson dealer, unless you have the proper tools, service data and are mechanically qualified.																								
3. Perform maintenance more frequently in severe riding conditions. This includes extreme temperatures, dusty environments, mountainous or rough roads, long storage conditions, short runs, heavy stop/go traffic or poor fuel quality.																								
4. Perform spoke tension check at 1,000 mi (2,000 km), 5,000 mi (8,000 km), 20,000 mi (32,000 km) services and every 15,000 mi (24,000 km) interval thereafter. Not all vehicles have spoked wheels. Consult appropriate topic in the service manual.																								
5. For torque instructions, see Shop Practices in the service manual.																								
6. Check for leaks, contact or abrasion.																								
7. Brake fluid level drops as brake pads wear.																								
8. Use HARLEY LUBE.																								

**Table 6-1. Regular Service Intervals: Harley-Davidson Pan-America Models**

COMPONENT	ACTION	1600 KM	8000 KM	16000 KM	24000 KM	32000 KM	40000 KM	48000 KM	56000 KM	64000 KM	72000 KM	80000 KM	NOTES
		1000 MI	5000 MI	10000 MI	15000 MI	20000 MI	25000 MI	30000 MI	35000 MI	40000 MI	45000 MI	50000 MI	
Drive chain, sprockets and chain guide	Inspect	x	x	x	x	x	x	x	x	x	x	x	2, 3
Drive chain	Adjust	Clean, lubricate and adjust drive chain every 600 mi (1000 km)											2, 3
Exhaust system, fasteners and shields	Inspect	x	x	x	x	x	x	x	x	x	x	x	1, 3
12 volt battery	Check	Check battery, terminal torque and clean connections annually. Lubricate terminals with ELECTRICAL CONTACT LUBRICANT.											1
Spark plugs	Replace	Replace spark plugs every two years or every 10,000 mi (16,000 km), whichever comes first.											2
Front forks	Rebuild	Disassemble, inspect, rebuild front forks and replace fork oil every 50000 mi (80000 km)											2
Rear sprocket compensator	Inspect	Inspect rear sprocket isolators for wear at each rear tire change.											2, 3
Component and system functions	Road Test	x	x	x	x	x	x	x	x	x	x	x	

**NOTES**

1. Perform annually or at specified intervals, whichever comes first.
2. Should be performed by an authorized Harley-Davidson dealer, unless you have the proper tools, service data and are mechanically qualified.
3. Perform maintenance more frequently in severe riding conditions. This includes extreme temperatures, dusty environments, mountainous or rough roads, long storage conditions, short runs, heavy stop/go traffic or poor fuel quality.
4. Perform spoke tension check at 1,000 mi (2,000 km), 5,000 mi (8,000 km), 20,000 mi (32,000 km) services and every 15,000 mi (24,000 km) interval thereafter. Not all vehicles have spoked wheels. Consult appropriate topic in the service manual.
5. For torque instructions, see Shop Practices in the service manual.
6. Check for leaks, contact or abrasion.
7. Brake fluid level drops as brake pads wear.
8. Use HARLEY LUBE.

**Service Actions**

**Table 6-2. Service Action Definitions**

ACTION	DEFINITION
Inspect	Carefully examine component for excess wear, abnormality, contact, or leaks.
Check	Verify the component is within the owner's manual or service manual service limits. Adjust or repair as necessary.
Lubricate	Lubricate the component as specified in the owner's or service manual with Harley-Davidson approved product.

**Table 6-2. Service Action Definitions**

ACTION	DEFINITION
Replace	Replace the component at the specified intervals.
Clean	Clean the component as specified in the owner's or service manual.
Rebuild	Rebuild the component according to the procedures in the service manual.

**Maintenance Records**

Maintain a record of this service to keep your new motorcycle limited warranty in force. Refer to Table 6-3.

**Table 6-3. Owner's Maintenance Records**

SERVICE MILE INTERVAL	DATE	DEALER NUMBER	TECHNICIAN NAME	TECHNICIAN SIGNATURE
1,000 mi (1,600 km)				
5,000 mi (8,000 km)				
10,000 mi (16,000 km)				
15,000 mi (24,000 km)				
20,000 mi (32,000 km)				
25,000 mi (40,000 km)				
30,000 mi (48,000 km)				
35,000 mi (56,000 km)				
40,000 mi (64,000 km)				
45,000 mi (72,000 km)				
50,000 mi (80,000 km)				

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## NOTES

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## SPORTSTER RH MODELS

### Regular Service Intervals

Service must be performed at specified intervals to keep your Harley-Davidson motorcycle operating at peak performance. Refer to Service Intervals for table.

Refer to Service Actions for service action definitions used in the service interval table.

#### NOTE

- The use of parts and service procedures other than Harley-Davidson approved parts and service procedures may void the limited warranty. Any alterations to the emission system components, such as the intake and exhaust system, may be in violation of motor vehicle laws.

- Some countries, such as Brazil, may require all regular maintenance or additional annual (or semi-annual) regular maintenance steps to be performed to keep your limited warranty in effect and/or comply with vehicle regulations. Check with your authorized Harley-Davidson dealer as well as the motorcycle regulations in your country.
- Whenever a vehicle is in for maintenance:
  - always check for and complete recalls and open product programs.
  - always verify that the latest calibration is installed.
- After completing the final service interval, repeat the service schedule starting at the 8000 km (5000 mi) interval.

### Service Intervals

Table 7-1. Regular Service Intervals: Harley-Davidson Sportster RH Models

COMPONENT	ACTION	1600 KM	8000 KM	16000 KM	24000 KM	32000 KM	40000 KM	48000 KM	56000 KM	64000 KM	72000 KM	80000 KM	NOTES
		1000 MI	5000 MI	10000 MI	15000 MI	20000 MI	25000 MI	30000 MI	35000 MI	40000 MI	45000 MI	50000 MI	
<b>Service Intervals</b>													
Electrical equipment and switches	Inspect	x	x	x	x	x	x	x	x	x	x	x	
Front tire pressure and tread	Check	x	x	x	x	x	x	x	x	x	x	x	1
Front wheel spoke tightness (if equipped)	Check	x	x			x			x			x	2, 4, 3
Front brake fluid level	Inspect	x	x	x	x	x	x	x	x	x	x	x	7
DOT4 front brake fluid moisture content	Check	x	x	x	x	x	x	x	x	x	x	x	1, 2
Steering head bearings	Adjust	x		x		x		x		x		x	2
Steering head bearings	Lubricate						x					x	2
Clutch lever handlebar clamp screw torque	Tighten	x		x		x		x		x		x	1, 2, 5
Master cylinder handlebar clamp screw torque	Tighten	x		x		x		x		x		x	1, 2, 5
Air cleaner filter	Inspect	x	x	x	x	x	x	x	x	x	x	x	3
Engine oil and filter	Replace	x	x	x	x	x	x	x	x	x	x	x	1, 3
Coolant	Replace	Replace coolant every 30000 mi (48000 km)											2
Clean radiators and oil cooler	Clean	x	x	x	x	x	x	x	x	x	x	x	
Brake system	Inspect	x	x	x	x	x	x	x	x	x	x	x	1, 2
Fuel lines and fittings	Inspect	x	x	x	x	x	x	x	x	x	x	x	1, 2
Rear brake fluid level	Inspect	x	x	x	x	x	x	x	x	x	x	x	7
DOT4 rear brake fluid moisture content	Check	x	x	x	x	x	x	x	x	x	x	x	1, 2
Brake systems	Replace	Flush brake systems and replace DOT 4 hydraulic brake fluid every two years or sooner if moisture content is 3 percent or greater.											2
Brake pads and discs	Inspect	x	x	x	x	x	x	x	x	x	x	x	
Jiffy stand	Lubricate	x	x	x	x	x	x	x	x	x	x	x	2, 3
Centerstand (if equipped)	Lubricate	x	x	x	x	x	x	x	x	x	x	x	2, 3
Clutch system	Adjust	x	x	x	x	x	x	x	x	x	x	x	2, 3
Brake and clutch controls	Lubricate	x	x	x	x	x	x	x	x	x	x	x	2, 3, 8
Rear wheel spoke tightness (if equipped)	Check	x	x			x			x			x	2, 3, 4
<b>NOTES</b>													
1. Perform annually or at specified intervals, whichever comes first.													
2. Should be performed by an authorized Harley-Davidson dealer, unless you have the proper tools, service data and are mechanically qualified.													
3. Perform maintenance more frequently in severe riding conditions. This includes extreme temperatures, dusty environments, mountainous or rough roads, long storage conditions, short runs, heavy stop/go traffic or poor fuel quality.													
4. Perform spoke tension check at 1,000 mi (2,000 km), 5,000 mi (8,000 km), 20,000 mi (32,000 km) services and every 15,000 mi (24,000 km) interval thereafter. Not all vehicles have spoked wheels. Consult appropriate topic in the service manual.													
5. For torque instructions, see Shop Practices in the service manual.													
6. Check for leaks, contact or abrasion.													
7. Brake fluid level drops as brake pads wear.													
8. Use HARLEY LUBE.													
9. Disassemble, lubricate and inspect every 25000 mi (40000 km)													

**Table 7-1. Regular Service Intervals: Harley-Davidson Sportster RH Models**

COMPONENT	ACTION	1600 KM	8000 KM	16000 KM	24000 KM	32000 KM	40000 KM	48000 KM	56000 KM	64000 KM	72000 KM	80000 KM	NOTES
		1000 MI	5000 MI	10000 MI	15000 MI	20000 MI	25000 MI	30000 MI	35000 MI	40000 MI	45000 MI	50000 MI	
Rear tire pressure and tread	Check	x	x	x	x	x	x	x	x	x	x	x	1
Drive belt and sprockets	Inspect	x	x	x	x	x	x	x	x	x	x	x	2, 3
Drive Belt	Adjust	x	x	x	x	x	x	x	x	x	x	x	2, 3
Exhaust system, fasteners and shields	Inspect	x	x	x	x	x	x	x	x	x	x	x	1, 3
12 volt battery	Check	<b>Check battery, terminal torque and clean connections annually. Lubricate terminals with ELECTRICAL CONTACT LUBRICANT.</b>											1
Spark plugs	Replace	<b>Replace spark plugs every two years or every 10,000 mi (16,000 km), whichever comes first.</b>											2
Front forks	Rebuild	<b>Disassemble, inspect, rebuild front forks and replace fork oil every 50000 mi (80000 km)</b>											2
Rear sprocket compensator	Inspect	<b>Inspect rear sprocket isolators for wear at each rear tire change.</b>											2, 3
Component and system functions	Road Test	x	x	x	x	x	x	x	x	x	x	x	

**NOTES**

1. Perform annually or at specified intervals, whichever comes first.
2. Should be performed by an authorized Harley-Davidson dealer, unless you have the proper tools, service data and are mechanically qualified.
3. Perform maintenance more frequently in severe riding conditions. This includes extreme temperatures, dusty environments, mountainous or rough roads, long storage conditions, short runs, heavy stop/go traffic or poor fuel quality.
4. Perform spoke tension check at 1,000 mi (2,000 km), 5,000 mi (8,000 km), 20,000 mi (32,000 km) services and every 15,000 mi (24,000 km) interval thereafter. Not all vehicles have spoked wheels. Consult appropriate topic in the service manual.
5. For torque instructions, see Shop Practices in the service manual.
6. Check for leaks, contact or abrasion.
7. Brake fluid level drops as brake pads wear.
8. Use HARLEY LUBE.
9. Disassemble, lubricate and inspect every 25000 mi (40000 km)

**Service Actions**

**Table 7-2. Service Action Definitions**

ACTION	DEFINITION
Inspect	Carefully examine component for excess wear, abnormality, contact, or leaks.
Check	Verify the component is within the owner's manual or service manual service limits. Adjust or repair as necessary.
Lubricate	Lubricate the component as specified in the owner's or service manual with Harley-Davidson approved product.

**Table 7-2. Service Action Definitions**

ACTION	DEFINITION
Replace	Replace the component at the specified intervals.
Clean	Clean the component as specified in the owner's or service manual.
Rebuild	Rebuild the component according to the procedures in the service manual.

**Maintenance Records**

Maintain a record of this service to keep your new motorcycle limited warranty in force. Refer to Table 7-3.

**Table 7-3. Owner's Maintenance Records**

SERVICE MILE INTERVAL	DATE	DEALER NUMBER	TECHNICIAN NAME	TECHNICIAN SIGNATURE
1,000 mi (1,600 km)				
5,000 mi (8,000 km)				
10,000 mi (16,000 km)				
15,000 mi (24,000 km)				
20,000 mi (32,000 km)				
25,000 mi (40,000 km)				
30,000 mi (48,000 km)				
35,000 mi (56,000 km)				
40,000 mi (64,000 km)				
45,000 mi (72,000 km)				
50,000 mi (80,000 km)				