SUBJECT	PAGE NO.
1.1 MAINTENANCE SCHEDULE	1-1

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 IntervalsService IntervalsService

Refer to Service ActionsService ActionsService ActionsService ActionsService ActionsService ActionsService ActionsService ActionsService 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:
 - a. always check for and complete recalls and open product programs.
 - b. 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

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	
Service Intervals								1	1				
Electrical equipment and switches	Inspect	x	x	x	x	х	х	x	x	x	x	x	
Front tire pressure and tread	Check	x	x	x	x	х	х	x	x	x	x	x	1
Front wheel spoke torque (if equipped)	Tighten	x	x			х			x			x	2, 5, 3
Front brake fluid level	Inspect	x	x	х	x	х	х	x	x	x	x	x	
DOT4 front brake fluid moisture content	Check	x	x	x	х	х	х	x	x	x	x	x	1, 2
Steering head bearings	Adjust	x		х		х		x		х		x	2
Steering head bearings	Lubricate							x					2
hrottle controls	Lubricate	x	х	х	х	х	х	x	x	х	x	x	2
Hand control switch housing screw orque	Tighten	x		x		х		x		x		х	1, 2, 4
Air cleaner filter	Inspect		x	x	x	х	х	x	x	x	x	x	3
Engine oil and filter	Replace	x	x	х	x	х	х	x	x	x	x	х	1, 3
Primary chain	Adjust	x	x	х	x	х	х	x	x	x	x	х	
ransmission lubricant	Replace	x		х		х		x		х	İ	x	3
Dil and brake lines	Inspect	x	х	х	х	х	х	x	x	х	x	x	1, 2, 6
uel lines and fittings	Inspect	x	х	х	х	х	х	x	x	х	x	x	1, 2, 6
Jpper front stabilizer link to engine pracket mounting screw	Tighten	x		x		х		x		x		x	1, 2, 4
Front isolator mounting bolt and nut	Tighten	x		x		х		x		x		x	1, 2, 4
Rear brake fluid level	Inspect	x	х	х	х	х	х	х	х	х	х	х	
OOT4 rear brake fluid moisture ontent	Check	x	x	x	х	х	х	x	x	x	x	x	1, 2
Brake system	Replace	sooner	ish brak if mois	te syste ture con	m and rottent is 3	eplace E 8% or gr	OT 4 hy eater.	ydraulic	brake f	luid eve	ry two y	ears or	2
Brake pads and discs	Inspect	x	x	x	x	х	х	x	x	x	x	x	

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

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
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COMPONENT	ACTION			l I									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	
Front axle nut	Tighten	x		x		x		x		х		x	1, 2, 4
Brake banjo bolt	Tighten	x		x		x		x		х		x	1, 2, 4
Jiffy stand	Lubricate	x	x	x	x	x	x	x	x	х	x	x	2, 3
Clutch	Adjust	x	х	х	х	х	x	x	x	х	х	х	2, 3
Brake and clutch controls	Lubricate	х	х	х	х	х	x	x	x	х	х	х	
Rear wheel spoke torque (if equipped)	Tighten	x	x			x			x			x	2, 5, 3
Rear tire pressure and tread	Check	х	x	х	х	х	x	x	x	х	х	х	1
Drive belt and sprockets	Inspect	x	x	x	x	x	x	x	x	х	x	x	2
Drive belt	Check	x	x	x	x	x	x	x	x	х	x	x	2
Rear axle nut	Tighten	х		х		х		x		х		х	1, 2, 4
Exhaust system, fasteners and shields	Inspect	x	x	x	x	x	x	x	x	х	x	x	1, 3
12 volt battery	Check			, termin CAL CO				nection	s annua	lly. Lubi	ricate te	rminals	1
Spark plugs	Replace	Re comes		park plu	gs ever	y two ye	ars or e	very 30	,000 mi	(48,000	km), wh	ichever	
Front forks	Rebuild									х			2
Fuel filter	Replace		•	Replac	e fuel fi	ter elen	nent eve	ry 1000	00 (161,	000 km.		•	2, 3
Component and system functions	Road Test	x	х	x	х	x	x	x	x	х	x	х	
NOTES			,										

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

SUBJECT	PAGE NO.
2.1 MAINTENANCE SCHEDULE	2-1

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 IntervalsService
Refer to Service ActionsService ActionsService ActionsService ActionsService ActionsService ActionsService ActionsService ActionsService 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:
 - a. always check for and complete recalls and open product programs.
 - b. 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	. Reguia			ais. Hai								
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
Service Intervals													
Electrical equipment and switches	Inspect	x	x	x	x	x	x	x	x	x	x	x	
Front tire pressure and tread	Check	x	х	х	x	х	x	x	x	х	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	х	x	x	x	x	x	x	x	x	7
Clutch cable	Lubricate	х	x	х	х	х	x	x	x	х	x	х	9
Clutch cable	Adjust	x	x	х	x	x	x	x	x	x	x	x	6, 2
Front brake fluid moisture content	Check	x	x	х	x	x	x	x	x	x	x	x	1, 2
Hand control switch housing screw torque	Tighten	x		x		x		x		x		х	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			х		х		x		х		х	
Air cleaner filter	Inspect		х	х	х	х	x	x	x	х	х	х	3
Engine oil and filter	Replace	х	x	х	х	х	x	x	x	х	х	х	1, 3
Engine coolant	Check	х	х	х	х	х	x	x	x	х	х	х	8
Engine coolant	Replace										х		2
Radiators or oil cooler	Clean	х	х	х	х	х	х	х	х	х	х	х	
Primary chaincase lubricant	Replace	x		х		х		х		х		х	3
Transmission lubricant	Replace	x				x				x			3
Dil and brake lines	Inspect	x	х	х	х	х	x	x	x	х	х	х	1, 2, 6
Fuel lines and fittings	Inspect	х	x	х	х	х	x	x	x	х	х	х	1, 2, 6
NOTES													

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

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.

						-		-			r	1	
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
Rear brake fluid level	Inspect	x	х	x	х	x	x	х	х	x	x	х	7
DOT4 rear brake fluid moisture content	Check	x	х	x	x	х	x	х	х	x	x	x	1, 2
Brake systems	Replace			e systen ture con			-		brake f	luid eve	ry two y	/ears or	2
Brake pads and discs	Inspect	x	х	х	x	x	x	х	х	х	x	х	
Front axle nut torque	Tighten	x		х		х		х		х		х	1, 2, 5
Jiffy stand	Lubricate	x	х	x	x	x	x	х	х	x	x	х	2, 3
Brake and clutch controls	Lubricate	x	х	x	x	x	x	х	х	x	x	х	2, 9
Rear wheel spoke tightness (if equipped)	Check	x	x			х			х			x	2, 3, 4
Rear tire pressure and tread	Check	x	х	x	x	x	x	х	х	x	x	х	1
Drive belt and sprockets	Inspect	x	х	x	x	x	x	х	х	x	x	х	2
Drive belt	Adjust	x	х	x	x	x	x	х	х	x	x	х	2
Rear sprocket isolators	Inspect		Inspe	ect rear	sprocke	t isolato	ors for w	ear at e	ach rea	r tire ch	ange		
Rear axle nut torque	Tighten	x		x		x		х		x		x	1, 2, 5
Exhaust system, fasteners and shields	Inspect	x	x	x	х	x	x	х	x	x	x	x	1, 3
12 volt battery	Check			termina				nection	s annua	lly. Lubi	ricate te	rminals	1
Spark plugs	Replace	Re comes		oark plu	gs ever	y two ye	ars or e	very 30	000 mi ((48,000	km), wh	ichever	
Fuel door hinge and latch	Lubricate	x	х	х	х	х	x	х	х	х	х	х	9
Front forks	Rebuild											х	2
Fuel filter	Replace			eplace f	uel filte	r elemer	nt every	100,000	mi (161	l,000 km	n)	•	2, 3
Component and system functions	Road Test	x	х	х	х	х	х	х	х	х	x	x	
NOTES											•	•	

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 own-
	er'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 Har-
	ley-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
1,600 km (1,000 mi)				
8,000 km (5,000 mi)				
16,000 km (10,000 mi)				
24,000 km (15,000 mi)				
32,000 km (20,000 mi)				
40,000 km (25,000 mi)				
48,000 km (30,000 mi)				

SERVICE MILE INTERVAL	DATE	DEALER NUMBER	TECHNICIAN NAME	TECHNICIAN SIGNATURE
56,000 km (35,000 mi)				
64,000 km (40,000 mi)				
72,000 km (45,000 mi)				
80,000 km (50,000 mi)				

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 IntervalsService
Refer to Service ActionsService ActionsService ActionsService ActionsService ActionsService ActionsService ActionsService ActionsService 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:
 - a. always check for and complete recalls and open product programs.
 - b. 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

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	
Service Intervals		I	I			<u> </u>		I				L	1
Electrical equipment and switches	Inspect	x	x	x	x	x	x	x	x	x	x	х	
Front tire pressure and tread	Check	x	х	х	x	x	x	х	x	х	x	х	1
Front brake fluid level	Inspect	x	х	х	x	x	x	х	x	х	x	х	6
Clutch cable	Lubricate	x	х	х	x	x	x	х	x	х	x	х	7
Clutch cable	Adjust	x	х	х	x	x	x	х	x	x	x	х	5, 2
DOT4 front brake fluid moisture content	Check	x	x	x	x	х	x	x	x	x	x	х	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		х	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	1		x		x			x		x		
Air cleaner filter	Inspect		x	х	х	х	x	x	x	х	х	х	3
Engine oil and filter	Replace	x	x	х	х	х	x	x	x	х	х	х	1, 3
Oil cooler	Clean	x	х	х	х	х	х	х	х	х	х	х	
Primary chaincase lubricant	Replace	x		х		х		х		х		х	3
Transmission lubricant	Replace	x	1	1	İ	x			1	x	İ		3
Oil and brake lines	Inspect	x	x	x	x	x	x	x	x	x	x	x	1, 2, 5

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

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.

Table 2-4. Regular Service Intervals: Ha	arley-Davidson Police Models
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	Table 2-4										1	1	
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
Fuel lines and fittings	Inspect	x	х	x	x	х	x	x	х	х	x	x	1, 2, 5
Rear brake fluid level	Inspect	x	х	x	х	х	x	x	х	х	x	x	6
DOT4 rear brake fluid moisture content	Check	x	х	x	х	x	x	x	х	х	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	х	x	x	x	x	x	х	х	x	x	
Front axle nut torque	Tighten	x		x		х		x		х		x	1, 2, 4
Jiffy stand	Lubricate	x	х	x	x	x	x	x	х	х	x	x	2, 3
Brake and clutch controls	Lubricate	x	х	x	x	x	x	x	х	х	x	x	2, 7
Rear tire pressure and tread	Check	x	х	x	x	x	x	x	х	х	x	x	1
Drive belt and sprockets	Inspect	x	х	x	x	x	x	x	х	х	x	x	2
Drive belt	Adjust	x	х	x	x	x	x	x	х	х	x	x	2
Rear sprocket isolators	Inspect		Inspe	ect rear	sprocke	t isolato	ors for w	/ear at e	ach rea	r tire ch	ange.		
Rear axle nut torque	Tighten	x		x		x		x		х		x	1, 2, 4
Exhaust system, fasteners and shields	Inspect	x	x	x	x	x	x	x	х	х	x	x	1, 3
12 volt battery	Check			, termina CAL COI			ean con ANT.	nection	s annua	lly. Lubr	ricate te	rminals	1
Spark plugs	Replace	Re comes	• •	park plu	gs ever	y two ye	ars or e	very 30	000 mi ((48,000	km), wh	ichever	
Fuel door hinge and latch	Lubricate	x	х	х	х	х	x	x	х	х	х	х	7
Front forks	Rebuild											х	2
Fuel filter	Replace		R	eplace f	uel filte	r elemei	nt every	100,000) mi (161	,000 km	ı)		2, 3
Component and system functions	Road Test	x	х	х	х	х	x	х	х	х	х	х	
NOTES													

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.

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 own-
	er'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 Har-
	ley-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
1,600 km (1,000 mi)				
8,000 km (5,000 mi)				
16,000 km (10,000 mi)				
24,000 km (15,000 mi)				
32,000 km (20,000 mi)				
40,000 km (25,000 mi)				
48,000 km (30,000 mi)				
56,000 km (35,000 mi)				
64,000 km (40,000 mi)				

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

CVO ULTRA MODELS (FLHTKSE)

Regular Service Intervals

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

Refer to Service ActionsService ActionsService ActionsService ActionsService ActionsService ActionsService ActionsService 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:
 - a. always check for and complete recalls and open product programs.
 - b. 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

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	
Inspect	x	х	x	x	x	x	x	x	x	x	х	
Check	х	х	х	x	х	x	x	x	x	x	х	1
Inspect	x	x	x	x	x	x	x	x	x	x	x	6
Lubricate	х	х	х	x	х	х	х	x	х	х	х	8
Adjust	x	х	х	x	х	х	х	x	х	х	х	5, 2
Check	x	x	x	x	x	x	x	x	x	x	x	1, 2
Tighten	x		x		x		x		x		x	1, 2, 4
Tighten	x		x		x		x		x		x	1, 2, 4
Tighten	x		x		x		x		x		x	1, 2, 4
Lubricate						x					x	2
Inspect	1	х	x	x	x	x	x	x	x	x	х	3
Replace	x	х	х	x	х	х	x	x	х	х	х	1, 3
Check	x	х	x	x	x	x	x	x	x	x	х	7
Replace							x					2
Clean	x	х	x	x	x	x	x	x	x	x	х	1
Replace	x		x		x		x		x		х	3
Replace	x				x				x			3
Inspect	x	х	х	x	х	х	x	x	x	х	х	1, 2, 5
Inspect	x	x	x	x	х	x	x	x	x	x	х	1, 2, 5
	Inspect Check Inspect Lubricate Adjust Check Tighten Tighten Tighten Uubricate Inspect Replace Check Replace Clean Replace Replace Replace Inspect	InspectxCheckxInspectxLubricatexAdjustxCheckxTightenxTightenxTightenxLubricate1InspectxCheckxCheckxCheckxCheckxCheckxCheckxCheckxReplacexCleanxReplacexReplacexReplacexInspectxInspectx	NameNameInspectXXXCheckXXXLubricateXXXCheckXXXCheckXXXCheckXXXCheckXXXTightenXTightenXLubricateIInspectXCheckXXXCheckXXXCheckXReplaceXCheckXXXReplaceXReplaceXReplaceXReplaceXReplaceXInspectXXX	My bool 00000 00000 00000 00000 00000 00000 	Normal SectorNo	NormalNormal NormalNormal <br< td=""><td>Normal Normal</td><td>Normal 0000 0000 0000N N 00000 00000 00000 00000 000000 000000 0000000 0000000 0000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 000000000 00000000000 000000000000 00000000000000 0000000000000000 000000000000000000000 000000000000000000000000000000000000</td><td>Normal Normal</td><td>Normal Normal OpenNormal Norm</td><td>Normal Normal Normal<</td><td>NumberNote</td></br<>	Normal Normal	Normal 0000 0000 0000N N 00000 00000 00000 00000 000000 000000 0000000 0000000 0000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 000000000 00000000000 000000000000 00000000000000 0000000000000000 000000000000000000000 000000000000000000000000000000000000	Normal Normal	Normal Normal OpenNormal Norm	Normal Normal<	NumberNote

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

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.

					,	1	-					1	
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
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	Flu:	sh brake	e systen	ns and r	eplace I	OOT 4 h	ydraulic	brake f	luid eve	ry two y	ears or	2
		sooner	if mois	ture con	tent is 3	3 percen	t or gre	ater.					
Brake pads and discs	Inspect	х	х	x	x	x	x	x	х	х	x	х	
Front axle nut torque	Tighten	x		х		x	İ	x		x		х	1, 2, 4
Jiffy stand	Lubricate	x	х	х	x	x	x	x	х	x	x	х	2, 3
Brake and clutch controls	Lubricate	x	х	x	x	x	x	x	х	x	x	х	2, 8
Rear tire pressure and tread	Check	x	х	x	x	x	x	x	х	x	x	х	1
Drive belt and sprockets	Inspect	x	x	x	x	x	x	x	х	x	x	х	2
Drive belt	Adjust	x	x	x	x	x	x	x	х	x	x	х	2
Rear sprocket isolators	Inspect	1	Inspe	ect rear	sprocke	t isolato	ors for w	vear at e	ach rea	r tire ch	ange.		
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					e and clo		nection	s annua	lly. Lubi	ricate te	rminals	1
Spark plugs	Replace	Re comes		park plu	gs ever	y two ye	ars or e	very 30	000 mi	(48,000	km), wh	ichever	
Fuel door hinge and latch	Lubricate	х	х	x	х	x	x	х	х	х	x	х	8
Front forks	Rebuild											х	2
Fuel filter	Replace	Replace fuel filter element every 100,000 mi (161,000 km).									2, 3		
Component and system functions	Road Test	x	х	x	х	х	х	х	х	х	х	х	
NOTES													

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 own-
	er'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 Har-
	ley-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
1,600 km (1,000 mi)				
8,000 km (5,000 mi)				
16,000 km (10,000 mi)				
24,000 km (15,000 mi)				
32,000 km (20,000 mi)				
40,000 km (25,000 mi)				
48,000 km (30,000 mi)				
56,000 km (35,000 mi)				
64,000 km (40,000 mi)				

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

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 IntervalsService
Refer to Service ActionsService ActionsService ActionsService ActionsService ActionsService ActionsService ActionsService ActionsService 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:
 - a. always check for and complete recalls and open product programs.
 - b. 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

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	
Service Intervals			,										
Electrical equipment and switches	Inspect	x	x	x	x	x	x	x	x	x	x	х	
Front tire pressure and tread	Check	x	х	х	х	х	х	х	х	х	x	х	1
Front brake fluid level	Inspect	x	x	х	х	х	х	х	х	х	x	х	6
Clutch cable	Lubricate	x	х	х	х	х	х	х	х	х	х	х	7
Clutch cable	Adjust	x	х	х	х	х	х	х	х	х	х	х	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						х					х	2
Air cleaner filter	Inspect			х	х	х	х	х	х	х	х	х	3
Engine oil and filter	Replace	x	х	х	х	х	х	х	х	х	х	х	1, 3
Primary chaincase lubricant	Replace	x		х		х		х		х		х	3
Transmission lubricant	Replace	x				х				х			3
Oil and brake lines	Inspect	x	х	х	х	х	х	х	х	х	х	х	1, 2, 5
Fuel lines and fittings	Inspect	x	x	x	х	х	x	x	x	x	x	х	1, 2, 5
Rear brake fluid level	Inspect	x	x	x	x	х	x	x	x	x	x	х	6
DOT4 rear brake fluid moisture content	Check	x	x	x	x	x	x	x	x	x	x	x	1, 2
NOTES													
			-										

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

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.

Brake fluid level drops as brake pads wear.

ACTION	N H	MM	MM	MXI	MA	MX	M	MX	MX	MM	MM	NOTES
	1600 H	8000 M	16000 10000	24000 15000	32000 20000	40000 25000	48000 30000	56000 35000	64000 40000	72000 45000	80000	
Replace								brake f	luid eve	ery two y	/ears or	2
Inspect	х	x	x	x	x	x	x	x	x	x	х	
Tighten	х		х		х		x		х		х	1, 2, 4
Lubricate	х	x	х	x	х	x	x	x	х	х	х	2, 3
Lubricate	х	x	х	х	х	x	x	x	х	х	х	2, 7
Check	х	x	х	x	х	x	x	x	х	х	х	1
Inspect	х	x	х	x	х	x	x	x	х	х	х	2
Adjust	х	x	х	x	х	x	x	x	х	х	х	2
Inspect		Insp	ect rear	sprocke	t isolato	ors for w	/ear at e	ach rea	r tire ch	ange	•	
Tighten	x		x		х		x		x		х	1, 2, 4
Inspect	x	x	x	x	х	x	x	x	x	x	x	1, 3
Check	heck Check battery, terminal torque and clean connections annually. Lubricate terminals with ELECTRICAL CONTACT LUBRICANT.									1		
Replace		Replace spark plugs every two years or every 30,000 mi (48,000 km), whichever comes first.									ichever	
Rebuild											х	2
Replace			eplace	uel filte	r elemer	nt every	100,000) mi (161	,000 km	n).		2, 3
Road Test	x	x	x	x	x	x	x	x	x	x	х	1
	Inspect Tighten Lubricate Check Inspect Adjust Inspect Tighten Inspect Check Replace Rebuild Replace	sooner Inspect x Tighten x Lubricate x Lubricate x Check x Inspect x Adjust x Inspect x Inspect x Check Check Check with El Replace Re comes Rebuild Replace	Replace Flush brake sooner if mois Inspect x x Tighten x x Lubricate x x Lubricate x x Lubricate x x Check x x Inspect x x Adjust x x Inspect	Replace Flush brake system sooner if moisture consistence of moisture consistence of moisture consistence of moisture consistence of moisture consistence of moisture consistence of moistence of mo	Replace Flush brake systems and r sooner if moisture content is 3 Inspect x x x Tighten x x x Lubricate x x x Lubricate x x x Check x x x Inspect x x x Check x x x Inspect x x x Adjust x x x Inspect x x x Inspect x x x Inspect x x x Inspect x x x Check battery, terminal torque with ELECTRICAL CONTACT I Replace Replace spark plugs every comes first.	Replace Flush brake systems and replace I sooner if moisture content is 3 percent is 3 percent. Inspect x x x x Tighten x x x x x Lubricate x x x x x Lubricate x x x x x Check x x x x x Inspect x x x x x Adjust x x x x x Inspect x x x x x Check battery, terminal torque and clewith ELECTRICAL CONTACT LUBRIC/ x x x Replace	Replace Flush brake systems and replace DOT 4 h sooner if moisture content is 3 percent or gre Inspect x x x x Tighten x x x x x Lubricate x x x x x x Lubricate x x x x x x Check x x x x x x Inspect x x x x x x Adjust x x x x x x Inspect x x x x x x Check battery, terminal torque and clean con with ELECTRICAL CONTACT LUBRICANT. x x x Replace Replace spark plugs every two years or e comes first. x x <	Replace Flush brake systems and replace DOT 4 hydraulic sooner if moisture content is 3 percent or greater. Inspect x x x x x x Tighten x x x x x x x Lubricate x x x x x x x x Check x x x x x x x x Inspect x x x x x x x x Lubricate x x x x x x x x x Check x x x x x x x x Adjust x x x x x x x x Inspect	Replace Flush brake systems and replace DOT 4 hydraulic brake frequence Inspect x	Replace Flush brake systems and replace DOT 4 hydraulic brake fluid every sooner if moisture content is 3 percent or greater. Inspect x x x x x x x x x Tighten x x x x x x x x x Lubricate x x x x x x x x x Check x x x x x x x x x x Inspect x x x x x x x x x x x Lubricate x	ReplaceFlush brake systems and replace DOT 4 hydraulic brake fluid every two y sooner if moisture content is 3 percent or greater.InspectxxxxxxxTightenxxxxxxxxLubricatexxxxxxxxLubricatexxxxxxxxxCheckxxxxxxxxxxInspectxxxxxxxxxxAdjustxxxxxxxxxxTightenxxxxxxxxxxInspectxxxxxxxxxxInspectxxxxxxxxxxInspectxxxxxxxxxxInspectxxxxxxxxxxCheckbattery, terminal torque and clean connections annually. Lubricate te with ELECTRICAL CONTACT LUBRICANT. </td <td>ReplaceFlush brake systems and replace DOT 4 hydraulic brake fluid every two years or sooner if moisture content is 3 percent or greater.InspectxxxxxxxxxTightenxxxxxxxxxxLubricatexxxxxxxxxxxLubricatexxxxxxxxxxxxLubricatexxxxxxxxxxxxCheckxxxxxxxxxxxxInspectxxxxxxxxxxxInspectxxxxxxxxxxxInspectxxxxxxxxInspectxxInspectInspectInspectInspect.</td>	ReplaceFlush brake systems and replace DOT 4 hydraulic brake fluid every two years or sooner if moisture content is 3 percent or greater.InspectxxxxxxxxxTightenxxxxxxxxxxLubricatexxxxxxxxxxxLubricatexxxxxxxxxxxxLubricatexxxxxxxxxxxxCheckxxxxxxxxxxxxInspectxxxxxxxxxxxInspectxxxxxxxxxxxInspectxxxxxxxxInspectxxInspectInspectInspectInspect.

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 own-
	er'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 Har-
	ley-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
1,600 km (1,000 mi)				
8,000 km (5,000 mi)				
16,000 km (10,000 mi)				
24,000 km (15,000 mi)				
32,000 km (20,000 mi)				
40,000 km (25,000 mi)				
48,000 km (30,000 mi)				
56,000 km (35,000 mi)				
64,000 km (40,000 mi)				
72,000 km (45,000 mi)				
80,000 km (50,000 mi)				

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. Service IntervalsService Refer to IntervalsService IntervalsService IntervalsService IntervalsService IntervalsService IntervalsService IntervalsService IntervalsService Intervals for table.

Refer to Service ActionsService ActionsService ActionsService ActionsService ActionsService ActionsService ActionsService 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:
 - a. always check for and complete recalls and open product programs.
 - b. 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. Reg	gular Sei	vice Int	ervals:	Harley-D	Davidso	n CVO R	Road Gli	de FLTR	XSE			
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
Service Intervals													
Electrical equipment and switches	Inspect	x	х	х	x	х	x	x	x	x	x	х	
Front tire pressure and tread	Check	x	х	х	x	х	х	х	x	х	x	х	1
Front wheel spoke tightness (if equipped)	Check	x	x			x			x			x	2, 3, 4
Front brake fluid level	Inspect	x	x	х	x	x	x	x	x	x	x	x	6
Clutch cable	Lubricate	x	x	х	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						х					х	2
Air cleaner filter	Inspect		x	х	x	х	х	х	х	х	х	х	3
Engine oil and filter	Replace	x	x	х	x	х	х	х	х	х	х	х	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	х	x	х	х	х	х	х	х	х	1, 2, 5
Rear brake fluid level	Inspect	x	х	х	х	х	х	х	х	х	х	х	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	х	х	х	х	х	х	х	х	х	х	
Front axle nut torque	Tighten	x		х		х		х		х		х	1, 2, 4
Jiffy stand	Lubricate	x	х	х	х	х	х	х	х	х	х	х	2, 3
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 torgue instructions, see Shop Practices in the service manual.

5. Check for leaks, contact or abrasion.

6. Brake fluid level drops as brake pads wear.

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
Brake and clutch controls	Lubricate	x	x	х	x	x	x	x	x	х	х	х	2, 7
Rear tire pressure and tread	Check	x	x	х	x	x	x	x	x	х	х	х	1
Rear wheel spoke tightness (if equipped)	Check	x	x			x			x			x	2, 3, 4
Drive belt and sprockets	Inspect	x	х	х	x	x	x	x	x	х	х	х	2
Drive belt	Adjust	x	х	х	х	x	x	x	x	х	х	х	2
Rear sprocket isolators	Inspect		Inspe	ect rear	sprocke	t isolato	ors for w	/ear at e	ach rea	r tire ch	ange.		
Rear axle nut torque	Tighten	x		х		x		x		х		x	1, 2, 4
Exhaust system, fasteners and shields	Inspect	x	x	x	x	х	x	x	x	x	x	х	1, 3
12 volt battery	Check			termin				nection	s annua	lly. Lub	ricate te	rminals	1
Spark plugs	Replace		Replace spark plugs every two years or every 30,000 mi (48,000 km), whichever comes first.						ichever				
Front forks	Rebuild											х	2
Fuel filter	Replace			Replace	fuel filte	r eleme	nt every	/ 100,00	mi (161	,000 km).		2, 3
Component and system functions	Road Test	x	х	х	x	x	x	x	x	х	x	х	
NOTES													

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.

Brake fluid level drops as brake pads wear.
 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 own-
	er'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 Har-
	ley-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
1,600 km (1,000 mi)				
8,000 km (5,000 mi)				
16,000 km (10,000 mi)				
24,000 km (15,000 mi)				
32,000 km (20,000 mi)				
40,000 km (25,000 mi)				
48,000 km (30,000 mi)				
56,000 km (35,000 mi)				
64,000 km (40,000 mi)				
72,000 km (45,000 mi)				
80,000 km (50,000 mi)				

SUBJECT	PAGE NO.
3.1 MAINTENANCE SCHEDULE	3-1

SOFTAIL MODELS

Regular Service Intervals

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

Refer to Service ActionsService ActionsService ActionsService ActionsService ActionsService ActionsService ActionsService 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:
 - a. always check for and complete recalls and open product programs.
 - b. 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

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	
Service Intervals													
Electrical equipment and switches	Inspect	x	x	x	x	x	x	x	x	x	x	х	
Front tire pressure and tread	Check	x	х	х	x	x	x	х	x	x	x	х	1
Front wheel spoke tightness (if equipped)	Check	x	x			х			x			x	2, 4, 3
Front brake fluid level	Inspect	x	х	х	х	х	х	х	х	х	х	х	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		х		х		x		х		х	2
Steering head bearings	Lubricate							х					2
Vindshield bushings (if applicable)	Inspect			х		x		х		х		х	
Jpper and lower switch housing screw torque	Tighten	x		x		х		x		x		x	1, 2, 5
Clutch lever handlebar clamp screw orque	Tighten	x		x		х		x		x		x	1, 2, 5
Master cylinder handlebar clamp	Tighten	x		x		x		x		x		x	1, 2, 5
Front brake handlebar clamp screw orque	Tighten	x		x		x		x		x		x	1, 2, 5
Air cleaner filter	Inspect		х	х	х	х	x	х	х	х	х	х	3
Engine oil and filter	Replace	x	х	х	х	х	x	х	х	х	х	х	1, 3
Dil cooler	Clean	x	х	х	х	х	x	х	х	х	х	х	
Primary chaincase lubricant	Replace	x		х		х		х		х		х	3, 2
Transmission lubricant	Replace	x				х				х			3, 2
Dil and brake lines	Inspect	x	х	х	х	х	х	х	х	х	х	х	1, 2, 6
Fuel lines and fittings	Inspect	x	х	х	х	х	х	х	х	х	х	х	1, 2, 6
Rear brake fluid level	Inspect	x	x	x	x	x	x	x	x	х	x	x	7

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

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.

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	
DOT4 rear brake fluid moisture content	Check	x	x	x	x	х	x	x	x	x	x	x	1, 2
Brake systems	Replace			e systen ture con					brake f	luid eve	ry two y	ears or	2
Brake pads and discs	Inspect	x	x	х	x	x	x	x	x	x	x	x	
Front axle nut torque	Tighten	x		х		x		x		х		х	1, 2, 5
Jiffy stand	Lubricate	x	x	х	х	x	x	x	x	х	x	х	2, 3
Clutch system	Adjust	x	x	х	х	x	x	x	x	х	x	х	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			х			x			х	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	х	x	x	x	х	2
Drive belt	Adjust	x	x	х	х	x	x	x	x	х	x	х	2
Rear axle nut torque	Tighten	x		х		x		x		х		х	1, 2, 5
Exhaust system, fasteners and shields	Inspect	x	x	x	х	x	x	x	x	x	x	x	1, 3
12 volt battery	Check			, termina CAL COI				nection	s annua	lly. Lubi	ricate te	rminals	1
Spark plugs	Replace	Replace spark plugs every two years or every 30,000 mi (48,000 km), whichever comes first.							ichever				
Front forks	Rebuild											х	2, 3
Fuel filter	Replace			eplace f	uel filte	r elemei	nt every	100,000) mi (161	l,000 km	ı)		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 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 own-
	er'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 Har-
	ley-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
1,600 km (1,000 mi)				
8,000 km (5,000 mi)				
16,000 km (10,000 mi)				
24,000 km (15,000 mi)				
32,000 km (20,000 mi)				
40,000 km (25,000 mi)				
48,000 km (30,000 mi)				
56,000 km (35,000 mi)				
64,000 km (40,000 mi)				

Table 3-3. Owner's Maintenance Records

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

SUBJECT	PAGE NO.
4.1 MAINTENANCE SCHEDULE	4-1

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 IntervalsService
Refer to Service ActionsService ActionsService ActionsService ActionsService ActionsService ActionsService ActionsService ActionsService 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:
 - a. always check for and complete recalls and open product programs.
 - b. 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 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
Service Intervals													
Electrical equipment and switches	Inspect	x	x	x	x	x	х	x	x	x	x	x	
Front tire pressure and tread	Check	x	x	x	х	х	х	x	х	x	x	х	1
Front brake fluid level	Inspect	x	x	х	x	х	х	x	x	х	х	x	6
Clutch cable	Lubricate	x	x	x	х	х	х	x	x	x	x	х	10
Clutch cable	Adjust	x	x	x	х	х	х	x	x	x	x	x	2
DOT4 front brake fluid moisture content	Check	x	x	x	х	х	х	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		х		x		x		x	1, 2, 4
Steering head bearings	Lubricate						х					x	2
Steering dampener	Check	x	x	x	х	х	х	x	х	x	х	х	8
Air cleaner filter	Inspect	x	x	x	х	х	х	x	x	x	x	х	3
Engine oil and filter	Replace	x	x	x	х	x	х	x	x	x	x	x	1, 3
Oil pan fastener torque	Tighten	x											4
Engine coolant	Check	x	x	x	x	x	х	x	x	x	x	x	9
Engine coolant	Replace										x		2
Radiators or oil cooler	Clean	х	х	х	х	х	х	х	х	х	х	х	
Primary chaincase lubricant	Replace	х		х		х		х		х		х	3
Transmission lubricant	Replace	х				х				х			3
Oil and brake lines	Inspect	х	х	х	х	х	х	х	х	х	x	х	1, 2, 5
Fuel lines and fittings	Inspect	х	х	х	х	х	х	х	х	х	x	х	1, 2, 5
NOTES													

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

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.

	ACTION					-			1	1	1		NOTES
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	NUTES
Rear brake fluid level	Inspect	x	x	х	x	х	x	x	x	х	х	х	6
DOT4 rear brake fluid moisture content	Check	x	x	x	x	x	x	x	x	x	x	x	1, 2
Brake system	Replace	1		ke syste ture con			-		brake f	luid eve	ry two y	ears or	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	х	x	x	x	x	x	x	x	х	1
Drive belt and sprockets	Inspect	x	x	х	x	х	х	х	х	х	х	х	2
Drive belt	Adjust	x	x	х	x	х	х	х	х	х	х	х	2
Rear sprocket isolators	Inspect					х				х			2
Rear lug nut	Tighten	x		х		х		х		х		х	1, 2, 4, 7
Rear fork pivot shaft nut	Tighten	x		х		х		x		х		х	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			, termina CAL COI				nection	s annua	lly. Lubi	ricate te	rminals	1
Spark plugs	Replace	Re comes		park plu	gs ever	y two ye	ars or e	very 30	,000 mi	(48,000	km), wh	ichever	
Fuel door hinge and latch	Lubricate	x	х	x	x	x	x	x	x	x	x	x	10
Trunk lock and latch	Lubricate	x	х	х	х	x	х	х	х	х	х	х	10
Front forks	Rebuild											х	2
Fuel filter	Replace		R	eplace f	uel filte	r elemei	nt every	100,000) mi (16 [,]	1,000 km	n)		2, 3
Reverse operation	Road Test	x	х	х	x	x	x	x	x	x	x	х	
Component and system functions	Road Test	x	х	x	x	x	x	x	x	x	x	x	
NOTES													

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 own-
	er'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 Har-
	ley-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
1,600 km (1,000 mi)				
8,000 km (5,000 mi)				
16,000 km (10,000 mi)				
24,000 km (15,000 mi)				
32,000 km (20,000 mi)				
40,000 km (25,000 mi)				
48,000 km (30,000 mi)				

	Table 4-4. Regu			vais. Ha	апеу-Da	viuson		Gliue F		GSE			
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
Engine coolant	Replace										x		2
Radiators or oil cooler	Clean	x	х	x	x	x	x	x	x	x	x	x	
Primary chaincase lubricant	Replace	x		х		x		x		х		х	3
Transmission lubricant	Replace	x				x				х			3
Oil and brake lines	Inspect	x	х	х	х	х	x	x	x	х	х	х	1, 2, 5
Fuel lines and fittings	Inspect	x	x	х	x	х	x	x	x	х	х	х	1, 2, 5
Rear brake fluid level	Inspect	x	x	х	x	х	x	x	x	х	х	х	6
DOT4 rear brake fluid moisture content	Check	x	x	x	x	x	x	x	x	x	x	x	1, 2
Brake system	Replace	1				eplace E 3 percen	-		brake f	luid eve	ry two y	ears or	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
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	1				x				х			2
Rear lug nut	Tighten	x		х		x		x		x		х	1, 2, 4, 7
Rear fork pivot shaft nut	Tighten	x		х		x		x		х		х	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					e and clo		nection	s annua	lly. Lubi	ricate te	rminals	1
Spark plugs	Replace	Re comes		oark plu	gs ever	y two ye	ars or e	very 30	,000 mi	(48,000	km), wh	ichever	
Fuel door hinge and latch	Lubricate	x	х	х	х	х	x	x	х	х	x	x	10
Trunk lock and latch	Lubricate	x	х	х	х	х	х	x	х	х	x	х	10
Front forks	Rebuild											х	2
Fuel filter	Replace			eplace f	uel filte	r elemei	nt every	100,000) mi (161	,000 km	n)		2, 3
Reverse operation	Road Test	x	х	х	x	х	x	x	х	х	x	x	1
Component and system functions	Road Test	x	х	х	х	х	х	х	х	х	x	х	
NOTES													

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 own-
	er'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 Har-
	ley-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
1,600 km (1,000 mi)				
8,000 km (5,000 mi)				
16,000 km (10,000 mi)				
24,000 km (15,000 mi)				
32,000 km (20,000 mi)				
40,000 km (25,000 mi)				
48,000 km (30,000 mi)				
56,000 km (35,000 mi)				
64,000 km (40,000 mi)				
72,000 km (45,000 mi)				
80,000 km (50,000 mi)				

SUBJECT	PAGE NO.
5.1 MAINTENANCE SCHEDULE	5-1

PAN AMERICA MODELS

Regular Service Intervals

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

Refer to Service ActionsService ActionsService ActionsService ActionsService ActionsService ActionsService ActionsService ActionsService 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:
 - a. always check for and complete recalls and open product programs.
 - b. 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

COMPONENT	ACTION			ſ									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	
Service Intervals													
Electrical equipment and switches	Inspect	x	x	x	x	x	x	x	x	x	x	x	
Front tire pressure and tread	Check	x	х	х	х	x	x	x	x	х	x	х	1
Front wheel spoke tightness (if equipped)	Check	x	x			х			x			x	2, 4, 3
Front brake fluid level	Inspect	x	х	х	x	х	x	x	х	x	х	х	7
OOT4 front brake fluid moisture content	Check	x	x	x	x	х	x	x	x	x	x	x	1, 2
Steering head bearings	Adjust	x		х		x		x		x		x	2
Steering head bearings	Lubricate						x					х	2
Clutch lever handlebar clamp screw orque	Tighten	x		x		x		x		x		x	1, 2, 5
Master cylinder handlebar clamp	Tighten	x		x		x		x		x		x	1, 2, 5
Air cleaner filter	Inspect	х	х	х	х	х	x	x	x	х	x	х	3
Engine oil and filter	Replace	х	х	х	х	х	x	x	x	х	x	х	1, 3
Coolant	Replace				eplace c	oolant e	every 30	000 mi (48000 k	m)			2
Clean radiators and oil cooler	Clean	x	х	х	x	х	х	x	х	x	х	х	
Brake system	Inspect	x	х	х	х	х	х	х	х	х	х	х	1, 2
Fuel lines and fittings	Inspect	x	х	х	x	х	х	х	х	х	х	х	1, 2
Rear brake fluid level	Inspect	x	х	х	х	х	х	х	х	х	х	х	7
DOT4 rear brake fluid moisture content	Check	x	x	x	x	x	x	x	x	x	x	x	1, 2
Brake systems	Replace			e systen ture cor					brake f	luid eve	ry two y	ears or	2
Brake pads and discs	Inspect	x	х	X	х	х	х	х	х	х	х	х	
liffy stand	Lubricate	x	x	x	x	x	x	x	x	x	x	x	2, 3

5.1 Regular Service Intervals: Harley-Davidson Pan-America Models

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.

Table 5-1. Regular Service Intervals: Harley-Davidson Pan-Am	erica Models
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	ACTION	-	1	1	1				1	1	1	1	NOTEO
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
Centerstand (if equipped)	Lubricate	x	x	x	x	х	х	x	x	x	x	x	2, 3
Clutch system	Adjust	x	x	x	x	х	х	x	x	x	x	x	2, 3
Brake and clutch controls	Lubricate	x	x	x	x	х	х	x	x	x	x	x	2, 8, 3
Rear wheel spoke tightness (if equipped)	Check	x	x			х			x			x	2, 3, 4
Rear tire pressure and tread	Check	x	x	x	x	х	х	x	x	x	x	x	1
Drive chain, sprockets and chain guide	Inspect	x	x	x	x	х	х	x	x	x	x	x	2, 3
Drive chain	Adjust		Clea	an, lubri	cate and	l adjust	drive cl	nain eve	ry 600 r	ni (1000	km)		2, 3
Exhaust system, fasteners and shields	Inspect	x	x	x	x	х	х	x	x	x	x	x	1, 3
12 volt battery	Check	eck 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.								ichever	2	
Front forks	Rebuild	Disassemble, inspect, rebuild front forks and replace fork oil every 50000 mi (80000 km)								000 mi	2		
Rear sprocket compensator	Inspect	Inspect rear sprocket isolators for wear at each rear tire change.									2, 3		
Component and system functions	Road Test	х	х	х	х	х	х	х	х	х	х	х	
NOTES					•						·		

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 5-2. Service Action Definitions

ACTION	DEFINITION
Inspect	Carefully examine component for excess
	wear, abnormality, contact, or leaks.
Check	Verify the component is within the own-
	er'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 Har-
	ley-Davidson approved product.

Table 5-2. 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 5-3.

Table 5-3. Owner's Maintenance Records

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

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:
 - a. always check for and complete recalls and open product programs.
 - b. 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.

Table 1. Regular Service Intervals: Harley-Davidson Sportster RH 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
Service Intervals		1											
Electrical equipment and switches	Inspect	x	x	x	x	x	x	x	x	x	x	x	
Front tire pressure and tread	Check	x	x	х	x	x	x	х	x	х	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	х	x	х	x	x	х	х	х	х	x	х	3
Engine oil and filter	Replace	х	x	х	x	x	х	х	х	х	х	х	1, 3
Coolant	Replace				eplace o	oolant e	every 30	000 mi (48000 ki	n)	•		2
Clean radiators and oil cooler	Clean	x	x	x	х	х	x	x	х	х	x	х	
Brake system	Inspect	x	x	x	x	x	x	x	x	х	x	x	1, 2
Fuel lines and fittings	Inspect	x	x	x	х	х	x	x	х	х	x	х	1, 2
Rear brake fluid level	Inspect	x	x	x	x	x	x	x	x	x	x	x	7
NOTES													

Service Intervals

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)

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	
DOT4 rear brake fluid moisture content	Check	x	x	x	x	x	x	x	x	x	x	x	1, 2
Brake systems	Replace			ke syste aure con					brake f	luid eve	ry two y	ears or	2
Brake pads and discs	Inspect	x	x	x	x	x	x	x	x	х	х	x	
Jiffy stand	Lubricate	x	х	x	x	x	x	х	x	х	x	х	2, 3
Centerstand (if equipped)	Lubricate	x	х	х	x	x	x	х	х	х	х	х	2, 3
Clutch system	Adjust	x	х	х	x	x	x	х	х	х	х	х	2, 3
Brake and clutch controls	Lubricate	x	х	х	x	x	x	х	х	х	х	х	2, 3, 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	х	x	х	х	х	1
Drive belt and sprockets	Inspect	x	х	х	x	x	x	х	х	х	х	х	2, 3
Drive Belt	Adjust	x	х	х	x	x	x	х	х	х	х	х	2, 3
Exhaust system, fasteners and shields	Inspect	x	x	x	х	x	х	х	x	x	x	x	1, 3
12 volt battery	Check			ry, termi AL CON				nnectior	ns annua	ally. Lub	ricate te	rminals	1
Spark plugs	Replace	comes		park plu	igs ever	y two ye	ars or e	very 10,	000 mi (16,000 k	(m), whi	chever	2
Front forks	Rebuild	Disassemble, inspect, rebuild front forks and replace fork oil every 50000 mi (80000 km)									i (80000	2	
Rear sprocket compensator	Inspect	Inspect rear sprocket isolators for wear at each rear tire change.									2, 3		
Component and system functions	Road Test												
NOTES													

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

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 2. Service Action Definitions

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

Table 2. Service Action Definitions

ACTION	DEFINITION
Replace	Replace the component at the spe-
	cified 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.

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

Table 3. Owner's Maintenance Records