

2001 XLH MODELS

SERVICE MANUAL

Part Number 99484-01

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Chassis Section 3: Engine
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5: Starter Section 6:
Drive/Transmission Section 7:
Electrical

ELECTRICAL DIAGNOSTICS

Part Number 99495-01

Section 1: Starting & Charging
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GENERAL

SERVICING A NEW MOTORCYCLE

WARNING

Always follow the listed service and maintenance recommendations, since they affect the safe operation of the motorcycle. Failure to follow service and maintenance recommendations could result in death or serious injury.

Service operations to be performed before customer delivery are specified in the applicable model year PREDELIVERY

AND SETUP MANUAL.

The performance of new motorcycle initial service is required to keep warranty in force and to ensure proper emissions systems operation.

After a new motorcycle has been driven its first 1000 miles, and at specified intervals after that, a Harley-Davidson dealer should perform the service operations listed in the Regular Maintenance Intervals table on the next pages.

SECTION	ODOMETER READING SERVICE OPERATIONS (SEE CHART CODE BELOW)	PREDELIVERY																					
		1000 MI	2500 MI	5000 MI	7500 MI	10000 MI	12500 MI	15000 MI	17500 MI	20000 MI	22500 MI	25000 MI	27500 MI	30000 MI	32500 MI	35000 MI	37500 MI	40000 MI	42500 MI	45000 MI	47500 MI	50000 MI	
2	Wheel spoke tightness	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
2	Tire pressure and inspect tire for wear/damage	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
2	Brake fluid level and condition*	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
2	Rear brake pedal height adjustment and freeplay	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
2	Rear brake linkage			IL	IL	IL	IL	IL	IL	IL	IL	IL	IL	IL	IL	IL	IL	IL	IL	IL	IL	IL	IL
2	Brake pad linings and discs for wear	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
2	Condition of rear brake caliper mounting pins and boots			IL	IL	IL	IL	IL	IL	IL	IL	IL	IL	IL	IL	IL	IL	IL	IL	IL	IL	IL	IL
2	Front fork oil								R								R						
2	Front fork bearing adjustment	I	I	I	I	I	I	IL	I	I	I	I	I	I	I	IL	I	I	I	I	I	I	I
2	Rear fork pivot bolt	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
2	Rear fork bearings*				IL			IL			IL			IL			IL			IL			IL
2	Condition of rear shock absorbers	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
2	Throttle control grip sleeve, speedometer cable	I		L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L
2	Front brake hand lever, throttle control cables, clutch control cable and hand lever	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L
2	Jiffy stand	I	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L
3	Engine mounts	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
3	Engine Oil*	I	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
3	Oil filter	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
4	Engine idle speed	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
4	Operation of throttle and enrichener controls	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
4	Air cleaner	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I

SECTION	ODOMETER READING SERVICE OPERATIONS (SEE CHART CODE BELOW)	MILEAGE																				
		10000 MI	25000 MI	50000 MI	75000 MI	100000 MI	125000 MI	150000 MI	175000 MI	200000 MI	225000 MI	250000 MI	275000 MI	300000 MI	325000 MI	350000 MI	375000 MI	400000 MI	425000 MI	450000 MI	475000 MI	500000 MI
4	Fuel valve, lines and fittings for leaks	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
4	Fuel tank filter screen			I		I		I		I		I		I		I		I		I		I
4	Air cleaner backplate EVAP butterfly valve operation (if equipped)	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
6	Primary chain		I		I		I		I		I		I		I		I		I		I	
6	Primary chaincase/transmission lubricant	R	I	R	I	R	I	R	I	R	I	R	I	R	I	R	I	R	I	R	I	R
6	Rear drive belt	I	A		I		I		I		I		I		I		I		I		I	
6	Clutch adjustment	A		A		A		A		A		A		A		A		A		A		A
7	Ignition timing and MAP sensor (1200S) or vacuum-operated electric switch (V.O.E.S.)			I		I		I		I		I		I		I		I		I		I
7	Bank Angle Sensor			I		I		I		I		I		I		I		I		I		I
7	Operation of all electrical equipment and switches	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
7	Spark plugs			I		R		I		R		I		R		I		R		I		R
7	Battery connections	T		T		T		T		T		T		T		T		T		T		T
-	All fasteners except engine head bolts	T		T		T		T		T		T		T		T		T		T		T
-	Road test	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Table Code:

A - Adjust.

I - Inspect, and if necessary, correct, adjust, clean or replace.

L - Lubricate with specified lubricant.

*Also perform prior to storage or annually R - Replace or change.

T - Tighten to proper torque.

X - Perform.



- | | | |
|-------------------------------|--------------------------------------|---------------------------|
| 1. Fuel supply valve | 6. Primary & transmission drain plug | 10. Engine oil filter |
| 2. Carburetor enrichener knob | 7. Clutch inspection cover | 11. Voltage regulator |
| 3. Battery | 8. Primary chain cover | 12. Clutch cable adjuster |
| 4. Engine oil tank drain hose | 9. Primary chain inspection plug | 13. Ignition coil |
| 5. Rear axle adjuster | | 14. Gear shift lever |

Figure 1-1. XLH 883 - Left Side View (Typical)

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|--|---|-----------------------------|
| 1. Engine oil fill plug & dipstick | 5. Ignition/light switch | 10. Electric starter motor |
| 2. Carburetor/air cleaner | 6. Fork lock brackets | 11. Rear axle adjuster |
| 3. Front brake master cylinder & reservoir | 7. Timing inspection hole plug | 12. Rear sprocket and drive |
| 4. Speedometer | 8. Ignition Module | 13. Shock absorber(s) |
| | 9. Rear brake master cylinder & reservoir | |

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