

## GENERAL

Perform the required maintenance at each regular service interval. Refer to Table 2-1.

Table 2-1. Regular Service Intervals: 2015 Harley-Davidson Street Models

ITEM SERVICED	PROCEDURE	1000 MI 1600 KM	5000 MI 8000 KM	10000 MI 16000 KM	15000 MI 24000 KM	20000 MI 32000 KM	25000 MI 40000 KM	30000 MI 48000 KM	35000 MI 56000 KM	40000 MI 64000 KM	45000 MI 72000 KM	50000 MI 80000 KM	NOTES
Engine oil and filter	Replace	X	X	X	X	X	X	X	X	X	X	X	1
Front tire	Check pressure, inspect tread	X	X	X	X	X	X	X	X	X	X	X	1
Front brake pads and discs	Check for wear	X	X	X	X	X	X	X	X	X	X	X	
Front brake caliper	Inspect and lubricate pins and bushings	X	X	X	X	X	X	X	X	X	X	X	2
Front brake system	Check for leaks, contact or abrasion	X	X	X	X	X	X	X	X	X	X	X	1
	Repair as necessary	X	X	X	X	X	X	X	X	X	X	X	2
Front brake fluid	Check level in sight glass	X	X	X	X	X	X	X	X	X	X	X	
	Flush and replace fluid	Flush system and replace DOT 4 hydraulic brake fluid every two years											2
Throttle cables	Check and adjust	X	X	X	X	X	X	X	X	X	X	X	2
	Lubricate	X	X	X	X	X	X	X	X	X	X	X	2
Brake and clutch controls	Check and adjust	X	X	X	X	X	X	X	X	X	X	X	2
	Lubricate	X	X	X	X	X	X	X	X	X	X	X	2
Front fork	Rebuild and replace fork oil											X	2
Steering head bearings	Adjust	X				X				X			2
	Lubricate					X				X			2
Radiator	Clean	X	X	X	X	X	X	X	X	X	X	X	
Cooling system	Check for leaks and check clamps for tightness	X	X	X	X	X	X	X	X	X	X	X	
	Check coolant level	X	X	X	X	X	X	X	X	X	X	X	
	Check coolant freeze point	X	X	X	X	X	X	X	X	X	X	X	2
	Replace coolant	Replace fluid every 48,000 km (30,000 mi)											2
Fuel lines and fittings	Check for leaks, contact or abrasion	X	X	X	X	X	X	X	X	X	X	X	1
	Repair as necessary	X	X	X	X	X	X	X	X	X	X	X	2
Jiffy stand	Check and lubricate	X	X	X	X	X	X	X	X	X	X	X	2, 3
Shift and brake levers	Clean and lubricate, inspect for wear					X				X			2
Rear fork bearing	Inspect					X				X			2
Drive belt and sprockets	Inspect, adjust belt	X	X	X	X	X	X	X	X	X	X	X	2
Rear tire	Check pressure, inspect tread	X	X	X	X	X	X	X	X	X	X	X	1
Rear shock absorber bushings	Inspect for wear and cracks					X				X			2
Rear brake pads and disc	Check for wear	X	X	X	X	X	X	X	X	X	X	X	1

Table 2-1. Regular Service Intervals: 2015 Harley-Davidson Street Models

ITEM SERVICED	PROCEDURE	1000 MI 1600 KM	5000 MI 8000 KM	10000 MI 16000 KM	15000 MI 24000 KM	20000 MI 32000 KM	25000 MI 40000 KM	30000 MI 48000 KM	35000 MI 56000 KM	40000 MI 64000 KM	45000 MI 72000 KM	50000 MI 80000 KM	NOTES
Rear brake system	Check for leaks, contact or abrasion	X	X	X	X	X	X	X	X	X	X	X	1
	Repair as necessary	X	X	X	X	X	X	X	X	X	X	X	2
Rear brake caliper	Inspect and lubricate pins and bushings	X	X	X	X	X	X	X	X	X	X	X	2
Rear brake fluid	Check level in sight glass	X	X	X	X	X	X	X	X	X	X	X	
	Flush and replace fluid	Flush system and replace DOT 4 hydraulic brake fluid every two years											2
Exhaust system	Check for leaks, cracks and loose or missing fasteners or exhaust shields	X	X	X	X	X	X	X	X	X	X	X	1, 3
	Repair as necessary	X	X	X	X	X	X	X	X	X	X	X	2
Air cleaner filter	Inspect, service as required	X	X	X	X	X	X	X	X	X	X	X	3
Fuel cap lock	Lubricate	X	X	X	X	X	X	X	X	X	X	X	3
Valve lash	Inspect, adjust if necessary				X			X			X		2, 4
Battery	Check and clean	Check battery, terminal torque and clean connections annually.											1
Spark plugs	Replace	Replace every two years or every 48,000 km (30,000 mi), whichever comes first.											
Electrical equipment and switches	Check operation	X	X	X	X	X	X	X	X	X	X	X	
Road test	Verify component and system functions	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 (such as extreme temperatures, dusty environments, mountainous or rough roads, long storage conditions, short runs, heavy stop/go traffic or poor fuel quality). 4. Could vary with frequency of operation and riding style.												



## FUEL

Always use a good quality unleaded gasoline. Octane ratings are usually found on the pump. Refer to Table 2-2.

### ⚠ WARNING

Avoid spills. Slowly remove filler cap. Do not fill above bottom of filler neck insert, leaving air space for fuel expansion. Secure filler cap after refueling. Gasoline is extremely flammable and highly explosive, which could result in death or serious injury. (00028a)

### ⚠ WARNING

Use care when refueling. Pressurized air in fuel tank can force gasoline to escape through filler tube. Gasoline is extremely flammable and highly explosive, which could result in death or serious injury. (00029a)

Modern service station pumps dispense a high flow of gasoline into a motorcycle fuel tank making air entrapment and pressurization a possibility.

Table 2-2. Minimum Octane Ratings

SPECIFICATION	RATING
Pump Octane (R+M)/2	87 (91 RON)

## GASOLINE BLENDS

Harley-Davidson motorcycles are designed to get the best performance and efficiency using unleaded gasoline. Most gasoline is blended with alcohol and/or ether to create oxygenated blends. The type and amount of alcohol or ether added to the fuel is important.

### NOTICE

Do not use gasoline that contains methanol. Doing so can result in fuel system component failure, engine damage and/or equipment malfunction. (00148a)

- Gasoline/METHYL TERTIARY BUTYL ETHER (MTBE) blends are a mixture of gasoline and as much as 15 percent MTBE. Gasoline/MTBE blends use in your motorcycle is approved.
- ETHANOL fuel is a mixture of ethanol (grain alcohol) and unleaded gasoline and can have an impact on fuel mileage. Fuels with an ethanol content of up to 10 percent may be used in your motorcycle without affecting vehicle performance. U.S. EPA regulations currently indicate that fuels with 15 percent ethanol (E15) are restricted from use in motorcycles at the time of this publication. Some motorcycles are calibrated to operate with higher ethanol concentrations to meet the fuel standards in certain countries.
- REFORMULATED OR OXYGENATED GASOLINES (RFG) describes gasoline blends that are specifically

designed to burn cleaner than other types of gasoline. This results in fewer tailpipe emissions. They are also formulated to evaporate less when filling the tank. Reformulated gasolines use additives to oxygenate the gas. Your motorcycle will run normally using this type of fuel. Harley-Davidson recommends using it whenever possible as an aid to cleaner air in our environment.

- Do not use racing fuel or fuel containing methanol. Use of these fuels will damage the fuel system.
- Using fuel additives other than those approved for use by Harley-Davidson may damage the engine, fuel system and other components.

Some gasoline blends might adversely affect starting, performance or fuel efficiency. If any of these problems are experienced, try a different brand of gasoline or gasoline with a higher octane blend.

## ENGINE LUBRICATION

### ⚠ CAUTION

Prolonged or repeated contact with used motor oil may be harmful to skin and could cause skin cancer. Promptly wash affected areas with soap and water. (00358b)

### ⚠ CAUTION

If engine oil is swallowed, do not induce vomiting. Contact a physician immediately. In case of contact with eyes, immediately flush with water. Contact a physician if irritation persists. (00357d)

### NOTICE

Do not switch lubricant brands indiscriminately because some lubricants interact chemically when mixed. Use of inferior lubricants can damage the engine. (00184a)

Engine oil is a major factor in the performance and service life of the engine. Always use the proper grade of oil for the lowest temperature expected before the next scheduled oil change. Refer to Table 2-3.

This motorcycle was originally equipped with GENUINE HARLEY-DAVIDSON H-D 360 MOTORCYCLE OIL 20W50. H-D 360 is the preferred oil under normal operating conditions. If operation under extreme cold or heat are expected, refer to Table 2-3 for alternative choices.

If necessary and H-D 360 is not available, add oil certified for diesel engines. Acceptable designations include: CH-4, CI-4 and CJ-4. The preferred viscosities, in descending order are: 20W50, 15W40 and 10W40.

At the first opportunity, see an authorized dealer to change back to 100 percent Harley-Davidson oil.

Table 2-3. Recommended Engine Oils

TYPE	VISCOSITY	RATING	LOWEST AMBIENT TEMPERATURE	COLD WEATHER STARTS BELOW 10 °C (50 °F)
Screamin' Eagle SYN3 Full Synthetic Motorcycle Lubricant	SAE 20W50	HD 360	Above -1 °C (30 °F)	Excellent
Genuine Harley-Davidson H-D 360 Motorcycle Oil	SAE 20W50	HD 360	Above 4 °C (40 °F)	Good
Genuine Harley-Davidson H-D 360 Motorcycle Oil	SAE 10W40	HD 360	Below 4 °C (40 °F)	Excellent

## WINTER LUBRICATION

Change engine oil often in colder climates. If motorcycle is frequently used for trips less than 24 km (15 mi), in ambient temperatures below 16 °C (60 °F), reduce oil change intervals to 2400 km (1500 mi).

### NOTE

*The further below freezing the temperature drops, the shorter the oil change interval should be.*

Water vapor is a normal by-product of combustion in any engine. During cold weather operation, some water vapor

condenses to liquid form on the cool metal surfaces inside the engine. In freezing weather this water will become slush or ice. Over time, accumulated slush or ice may block the oil lines and cause engine damage.

If the engine is run frequently and allowed to thoroughly warm up, most of this water will become vapor again and will be blown out through the crankcase breather.

If the engine is not run frequently and not allowed to thoroughly warm up, this water will accumulate, mix with the engine oil and form a sludge that is harmful to the engine.



## CHECK ENGINE OIL LEVEL

### Cold Check

1. Set vehicle upright.
2. See Figure 2-1. Remove dipstick (1) and wipe clean.
3. Insert the dipstick and tighten.
4. Remove the dipstick. Verify that there is oil on the dipstick.
5. If oil is not visible, add only enough oil to bring the level to the bottom of the dipstick.

### Hot Check

#### NOTICE

Do not allow hot oil level to fall below Add/Fill mark on dipstick. Doing so can result in equipment damage and/or equipment malfunction. (00189a)

#### NOTICE

Do not overfill oil. Doing so can result in oil carryover to the air cleaner leading to equipment damage and/or equipment malfunction. (00190b)

1. Run motorcycle until engine is at normal operating temperature.
2. Set vehicle upright.
3. See Figure 2-1. Remove dipstick (1) and wipe clean.
4. Insert the dipstick and tighten.
5. Remove the dipstick. Verify that the oil level is within the "X" mark on the dipstick.
6. If oil level is below the "X" mark, add only enough oil to bring the level to the mark.

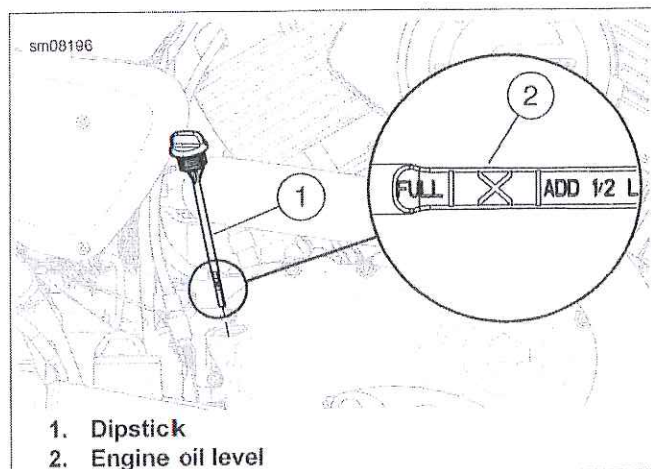


Figure 2-1. Engine Oil Level

## CHANGE OIL AND OIL FILTER

PART NUMBER	TOOL NAME
HD-51453	OIL FILTER WRENCH

FASTENER	TORQUE VALUE	
Engine oil drain plug	20.0-25.0 Nm	15-18 ft-lbs

### WARNING

Be sure that no lubricants or fluids get on tires, wheels or brakes when changing fluid. Traction can be adversely affected, which could result in loss of control of the motorcycle and death or serious injury. (00047d)

1. See Figure 2-2. Drain engine oil.
  - a. Run motorcycle until engine is at normal operating temperature.
  - b. Turn off engine.
  - c. Loosen dipstick.
  - d. Remove the engine oil drain plug. Discard O-ring.
  - e. Allow oil to drain completely.
2. Remove radiator shroud. See 7.11 RADIATOR
3. See Figure 2-3. Remove and discard oil filter.
  - a. Remove the oil filter using OIL FILTER WRENCH (Part No. HD-51453).
  - b. Discard filter.
  - c. Clean the oil filter mount flange of any old gasket material.

#### NOTE

Do NOT use oil filter wrench for installation.

4. Install new oil filter.
  - a. Lubricate gasket of new oil filter with clean engine oil.
  - b. Install new oil filter. Hand-tighten oil filter one-half to three-quarters of a turn after gasket initially contacts the filter mounting surface.
5. Install engine oil drain plug and new O-ring. Tighten to 20.0-25.0 Nm (15-18 ft-lbs).

#### NOTICE

Do not overfill oil. Doing so can result in oil carryover to the air cleaner leading to equipment damage and/or equipment malfunction. (00190b)

6. Add new engine oil.
  - a. Initially add 2.4 liters (2.5 quarts) of engine oil.
  - b. Perform engine oil level cold check.
  - c. Start engine and check for oil leaks around drain plug and oil filter.

7. Install radiator shroud. See 7.11 RADIATOR
8. Perform engine oil level hot check.

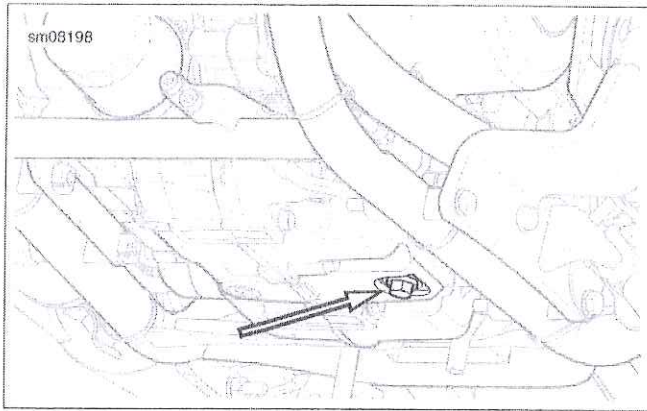


Figure 2-2. Engine Oil Drain Plug

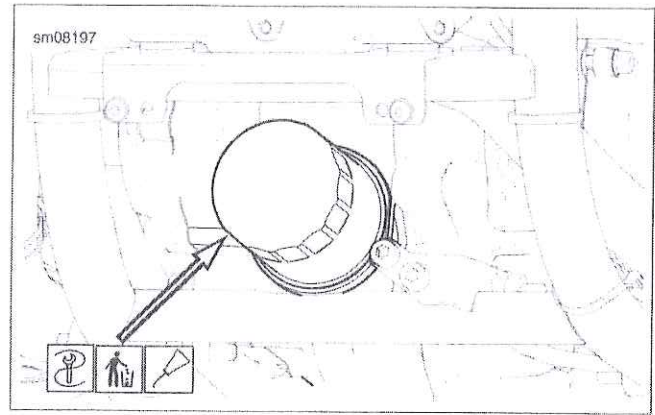


Figure 2-3. Engine Oil Filter