Welcome to the Harley-Davidson Motorcycling Family! This supplement has been prepared to acquaint you with your motorcycle. This supplement should be used with the 1991 Owner's Manual, part no. 99466-91. If information desired is not in this supplement, use the information given for the FXRS in the 1991 Owner's Manual, part no. 99466-91.

PATENT NOTICE
Harley-Davidson products are manufactured under one or more of the following patents: U.S. Patents 2986162, 2987934, 2998809, 3116089, 3144631, 3144860, 3226994, 3229792, 3434887, 3559773, 3673359, 3709317, Des. 225, 626.

To the best knowledge of Harley-Davidson Inc., the material contained herein is accurate as of the date this publication was approved for printing. Harley-Davidson Inc., reserves the right to change specifications, equipment, or designs at any time without notice and without incurring obligation.

HARLEY-DAVIDSON INC.

CMI-.5M-9/95

IMPORTANT NOTICE!
Statements in this manual preceded by the following words are of special significance:

WARNING
Means there is the possibility of injury to yourself or others.

CAUTION
Means there is a possibility of damage to the vehicle.

NOTE
Other information of particular importance has been placed in italic type.

We recommend you take special notice of these items.

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IDENTIFICATION

VEHICLE IDENTIFICATION NUMBER (V.I.N.)

The full 17 digit Vehicle Identification Number (V.I.N.) is stamped on the right downtube socket of the steering head and on a label located on the right front frame downtube. An abbreviated V.I.N. is stamped on the left side crankcase at the base of the rear cylinder.

NOTE
Always give the full 17 digit Vehicle Identification Number when ordering parts or making any inquiry about your motorcycle.

```
Model Designation
   Engine Type
      Varies - 1 thru 8
          Model Year - 1991
              Sequential Number

1  HD 1  GB  L  4  *  M  Y  010000

*Varies - can be 0 thru 9 or X
```

Sample V.I.N. as it appears on the steering head - 1HD1GBL41MY010000
Sample abbreviated V.I.N. as it appears on the engine - GBLM010000
1. Clutch handlever
2. Gear shifter
3. Footrest(s)
4. Speedometer drive
5. Headlamp
6. Front turn signal & running lamp
7. Rear turn signal lamp
8. Jiffy stand
9. Shock absorber
10. Carburetor choke knob
11. Engine oil filter
12. Primary chain cover
13. Rear axle adjuster
14. Rear sprocket and drive
15. Timing inspection hole plug
16. Voltage regulator
17. Ignition coil
18. Fuel gauge
19. Fuel supply valve
20. Primary chain inspection cover
21. Clutch inspection cover
22. Primary drain plug
23. Clutch cable adjuster
24. Engine Oil tank drain (under transmission)
25. Electrical enclosure (contains ignition module, circuit breakers and starter relay)
26. Speedometer & tachometer

FXDB -STURGIS - Left Side View
1. Front brake handlever
2. Rear brake pedal
3. Throttle control grip
4. Footrest(s)
5. Front turn signal & running lamp
6. Rear turn signal lamp
7. Tail/stop lamp
8. Fuel Filler cap
9. Carburetor/air cleaner
10. Front brake master cylinder & reservoir
11. Rear brake master cylinder & reservoir
12. Engine oil fill plug & dipstick
13. Electric starter motor
14. Rear axle Adjuster
15. Shock absorber
16. Battery
17. Transmission fill plug
18. Transmission drain plug (under transmission)
19. Horn
20. Ignition/light switch

FXDB - STURGIS - Right Side View
SPECIFICATIONS

STOPPING DISTANCE

Description of vehicle: Harley-Davidson 1991 FXDB-STURGIS.

Required by Federal Consumer Information Regulations.

Notice: The information presented represents results obtainable by skilled drivers under controlled road and vehicle conditions. The information may not be correct under other conditions.

These figures indicate braking performance that can be met or exceeded by the vehicle to which it applies, without locking the wheels, under different conditions of loading.

| Fully Operational | 1. LIGHT LOAD       | 2. MAXIMUM LOAD     |
|                  |                      |                    |
| Front and Rear   | 143                  | 153                |
| Service Brakes   |                      |                    |

Stopping Distance in Feet from 60 MPH

1. Light Load Vehicle Weight .......................... includes 200 lb. driver - no accessories
2. Maximum loaded Vehicle Weight ..................... includes 300 lb. driver and passenger plus full accessory load.
DIMENSIONS (IN.)

<table>
<thead>
<tr>
<th>FXDB-STURGIS</th>
<th>(Inches)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Wheel Base</td>
<td>65.50</td>
<td></td>
</tr>
<tr>
<td>Overall Length</td>
<td>94.00</td>
<td></td>
</tr>
<tr>
<td>Overall Width</td>
<td>28.50</td>
<td></td>
</tr>
<tr>
<td>Road Clearance</td>
<td>5.62</td>
<td></td>
</tr>
<tr>
<td>Overall Height</td>
<td>47.50</td>
<td></td>
</tr>
<tr>
<td>Saddle Height</td>
<td>26.62</td>
<td></td>
</tr>
</tbody>
</table>

WEIGHT (LBS.)

<table>
<thead>
<tr>
<th>FXDB-STURGIS</th>
<th>(Pounds)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>DRY WEIGHT (as shipped from factory)</td>
<td>598</td>
<td></td>
</tr>
<tr>
<td>GVWR</td>
<td>1085</td>
<td></td>
</tr>
<tr>
<td>GAWR - Front</td>
<td>390</td>
<td></td>
</tr>
<tr>
<td>GAWR - Rear</td>
<td>695</td>
<td></td>
</tr>
</tbody>
</table>

NOTE

Gross Vehicle Weight Rating (GVWR) (maximum allowable loaded vehicle weight) and corresponding Gross Axle Weight Ratings (GAWR) are given on a label located on the right front down tube.

CAPACITIES (U.S.)

<table>
<thead>
<tr>
<th>FXDB-STURGIS</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel Tank (Gallons)</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>4.9</td>
</tr>
<tr>
<td>Reserve</td>
<td>1.1</td>
</tr>
<tr>
<td>Oil Tank (Quarts)</td>
<td></td>
</tr>
<tr>
<td>w/filter</td>
<td>3.0</td>
</tr>
<tr>
<td>Transmission (Ounces)</td>
<td>20</td>
</tr>
<tr>
<td>Front Fork - Each</td>
<td></td>
</tr>
<tr>
<td>(Ounces, wet)</td>
<td>9.2</td>
</tr>
<tr>
<td>Primary Chaincase</td>
<td></td>
</tr>
<tr>
<td>(Ounces)</td>
<td>30-36</td>
</tr>
</tbody>
</table>
CONTROLS AND INDICATORS

FRONT FORK LOCK

See Figure 1. The fork lock is located in the steering head and has a circular keyway. To lock fork, turn handlebar full left, insert key and turn key clockwise. To unlock, turn key counterclockwise.

NOTE

One key fits both the fork lock and the ignition/light switch.

TURN SIGNAL CANCELER

Refer to the 1991 Owner’s Manual for instructions on operating turn and hazard lights.

NOTE

The yellow "TURN" indicator will not flash when hazard lights (4-ways) are flashing.

Figure 1. Fork Lock
IGNITION/LIGHT SWITCH

See Figure 2. The ignition/light switch is located on the right side between the upper end of the shock absorber and the battery. The switch has three positions as shown on the face plate. Push the key in and turn it all the way clockwise to activate ignition and lights.

CAUTION

Always remove key when switch is in "LOCK" position. The key could drop from switch and possibly become lost.

Figure 2. Ignition/Light Switch
OIL FILTER

See Figure 3. The oil filter is located ahead of the engine. Refer to the "1991 Owner's Manual" for filter removal and installation instructions.

Figure 3. Oil Filter Location
BATTERY

See Figures 2 and 4. The battery is located on the right side of the motorcycle above the starter. To service or remove battery perform the following:

WARNING

Batteries produce explosive gas at all times especially when being charged. Keep cigarettes, open flame and sparks away from battery at all times. Ventilate area when charging battery. Always protect hands. Protect eyes with shield or goggles when working near a battery or acid. KEEP BATTERIES AND ACID OUT OF REACH OF CHILDREN!

1. Remove seat and loosen battery case bolts shown in Figure 2.

2. See Figure 4. Lower battery by loosening bolt (1). Disconnect wires from horn. The battery cover may now be removed to allow adding distilled water or removing the battery.

WARNING

To avoid accidental start-up of vehicle and possible personal injury, disconnect the battery cables (negative cable first).

3. After the cables are removed the battery may be removed. Reverse removal instructions to install battery.

Figure 4. Top View Of Battery

1. Bolt
2. Positive battery terminal
3. Negative battery terminal
4. Positive battery cable
5. Negative battery cable
6. Main circuit breaker lead
ENGINE OIL DIPSTICK

See Figure 5. The engine oil filler cap and attached dipstick are located in front of the transmission. The engine oil level must be checked with the motorcycle on a level surface and resting on the side stand. Make sure cap and dipstick are pushed all the way in when checking oil level.

NOTE

Oil must not be added until the level drops to the “ADD QUART” mark. At oil and filter change, fill with 3 quarts of oil. Oil level will be above “FULL HOT” mark until engine is run and filter is filled. Start and idle engine for 1 minute. Stop engine and check that oil level is now at “FULL COLD” level. Level will vary between “FULL COLD” and “FULL HOT” as operating temperature changes. DO NOT TOP OFF; i.e., DON'T FILL TO "FULL HOT" LEVEL with engine cold.

CAUTION

Do not put transmission oil in engine or engine oil in the transmission.

Figure 5. Engine Oil Filler Cap and Dipstick
ENGINE AND TRANSMISSION OIL DRAIN PLUGS

See Figure 6. The front plug (nearest engine) is the engine oil drain plug. The other plug is the transmission oil drain plug.

CAUTION

Make certain you remove the correct plug when draining lubricants.
REAR BRAKE MASTER CYLINDER RESERVOIR

See Figure 7. The rear master cylinder reservoir is integral with the master cylinder and has a sight glass for checking fluid level. If sight glass is "dark", fluid level is correct. If sight glass is "light", fluid is low. Clean master cylinder cover before removing, add DOT-5 brake fluid to within 1/8 in. of top of reservoir. Refer to the "1991 Owner's Manual" for instructions on proper brake care.

Figure 7. Rear Brake Master Cylinder Reservoir
IGNITION COIL, MODULE, STARTER RELAY AND CIRCUIT BREAKERS

See Figure 8. The ignition coil is mounted below the seat on the left side. The ignition module, starter relay and circuit breakers are mounted inside the electrical enclosure.

JIFFY STAND

WARNING
This vehicle is equipped with a jiffy stand that "locks" when placed in the full forward (down) position and the vehicle weight is rested on it. Without vehicle weight resting on the jiffy stand any movement of the vehicle could cause the jiffy stand to retract slightly from the full forward position. If the jiffy stand is not in the full forward (lock) position when the vehicle weight is rested on it, the vehicle could fall over causing possible injury and/or vehicle damage.

Figure 8. Ignition Coil and Electrical Enclosure
See Figure 9. Clean and lubricate the jiffy stand at 500 and 2500 miles and every 2500 miles thereafter. If service is on muddy or dusty roads, clean and lubricate at shorter intervals. Clean and lubricate as follows:

1. Raise motorcycle so front wheel is 1-2 in. above floor and support with blocks under frame.

2. Inspect top of stop plate (1). If covered with dirt, wipe dirt off with a shop towel and spray stop plate and mating surface with Loctite® aerosol anti-seize.

3. Move jiffy stand leg (2) forward and back to "work" anti-seize into mating parts.

**NOTE**

If stop plate (1) is covered with mud/grime, remove bolt (3), lockwasher (4), washer (5) and stop plate (1). Clean stop plate and mating surface on pivot block. Spray Loctite® aerosol anti-seize on shaft of jiffy stand leg while moving leg back and forth and downward. Assemble the stop plate (1) so it engages the flats on the shaft of the jiffy stand leg (2) and secure with washer (5), lockwasher (4) and bolt (3). Tighten bolt (3) to 19 ft-lbs torque. Also spray anti-seize on pin (7) to lubricate the mating surface between pin and pivot block. Check that jiffy stand operates correctly before using.

1. Stop plate
2. Jiffy stand leg
3. Bolt
4. Lock washer
5. Washer
6. Pivot block
7. Pin
8. Frame

Figure 9. Jiffy Stand