

# SERVICE BULLETIN

M-904

May 31, 1985



## PRE-DELIVERY INSPECTIONS 883cc 4-SPEED

This bulletin and the 1985 Motorcycle Set-Up Manual, Part No. 99947-85, Section I (Pre-Delivery Inspections, All 1985 Models) and Section II (Pre-Delivery Inspections 1000cc 4-speed) provides pre-delivery and setup information for the 1986 XLH 883cc motorcycle. Read all information completely and thoroughly before you begin.

When uncrating the XLH 883cc, locate separately packaged items:

- Clutch lever
- Horn
- Fuel tank mounting screw
- Spacer
- Throttle cable guide
- Mirror
- Battery vent tube
- Brake lever

When removing banding rings from the fuel tank front mounting, retain the washer and nut removed from the shipping screw.

When mounting the brake handlever, use Loctite ANTI-SEIZE to lightly coat the reaction pin of the front brake handlever.

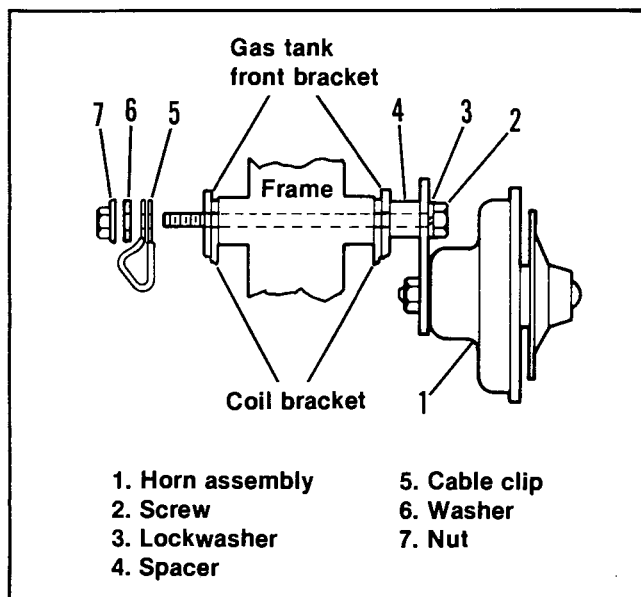


Figure 1. Horn Mounting

Assembly of the brake handlever is simplified by using a piece of string or wire to hold push rod stationary while aligning reaction pin.

See Figure 1. Mount the horn, spacer, and throttle cable clip as shown. Use mounting screw supplied separate from the vehicle to install horn. Secure with washer and nut removed from shipping screw at the fuel tank front mounting.

Check that horn bracket does not contact fuel tank or coil and that coil does not contact frame.

Tighten nut to 19 ft-lbs torque.

Connect the yellow wire to the horn.

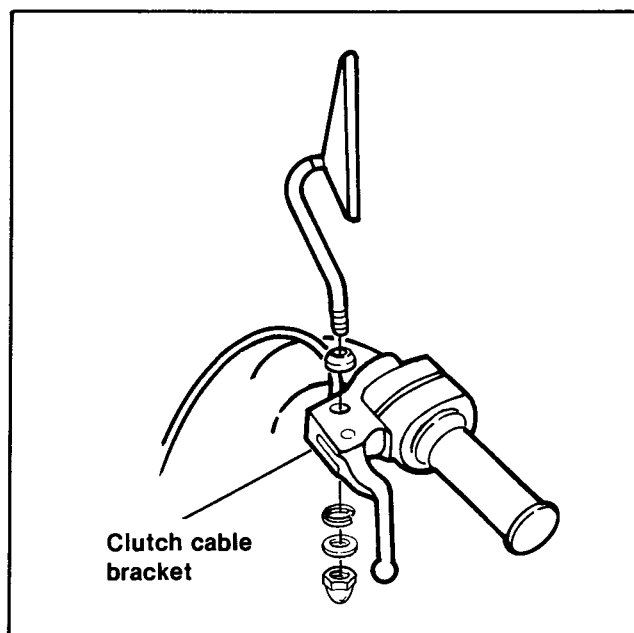


Figure 2. Mirror Mounting to Clutch Lever Bracket

See Figure 2. Install the mirror to the clutch lever bracket as shown. Adjust mirror for rear view.

ROUTING:	SERVICE MANAGER	SALES MANAGER	PARTS MANAGER	CHIEF MECHANIC	MECHANIC NO. 1	MECHANIC NO. 2	MECHANIC NO. 3	MECHANIC NO. 4	RETURN THIS TO:
INITIAL HERE									

Bench charge battery at the recommended charging rate for 12 hours or until specific gravity is 1.270-1.280 for three successive hourly readings.

See Figure 3. Check that speedometer, brake, and clutch cable routings are as shown.

RECOMMENDED CHARGING RATE			
PART NO.	VOLT	CAPACITY (AMP HOUR)	BENCH CHARGE (AMP)
65991-82*	12	19	1.5

\* Low maintenance

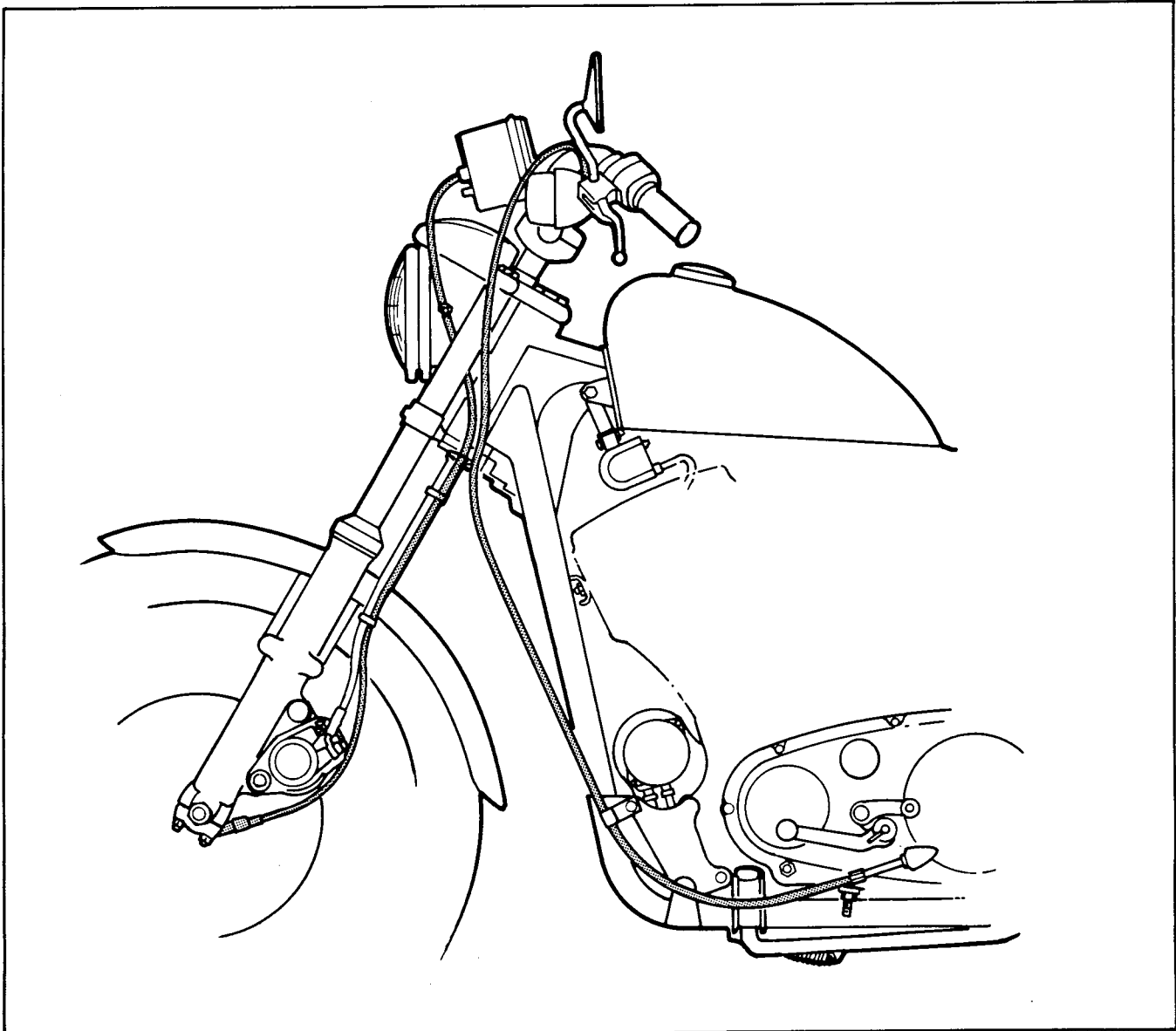


Figure 3. XLH 883cc Cable Routings — Left Side

See Figure 4. Check that throttle cables are routed as shown.

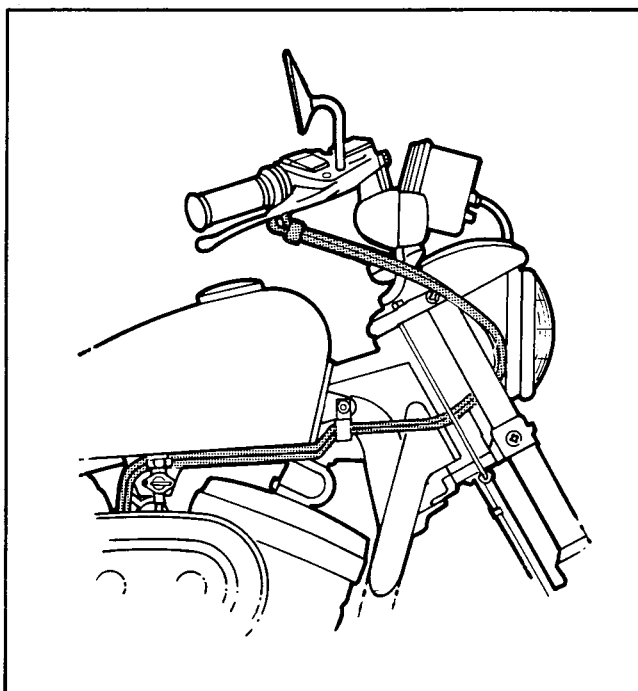


Figure 4. XLH 883cc Routing Throttle Cables

#### CAUTION

If air cleaner backplate removal is necessary, refer to the special instructions under AIR CLEANER in Section 4 of the MODEL XLH 883cc SERVICE INFORMATION MANUAL.

New spark plug torque is 11-18 ft. lbs. using an 11/16 in. spark plug socket.

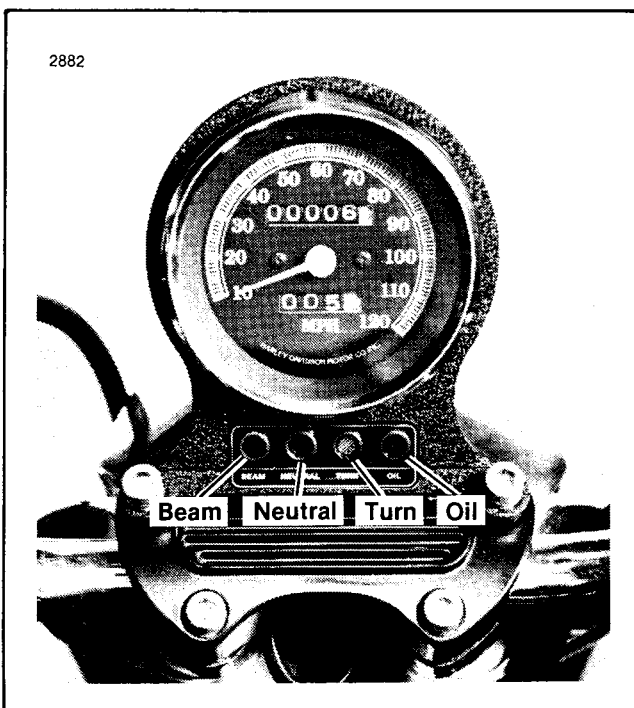
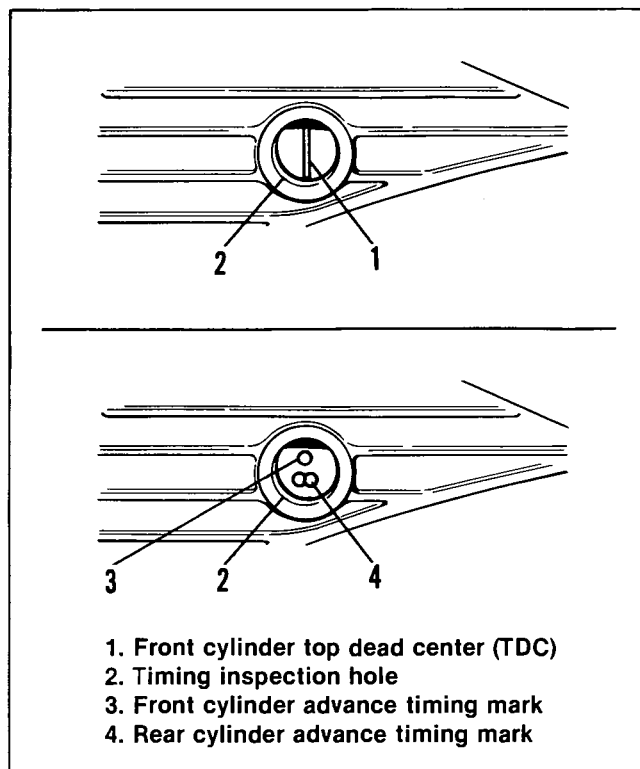


Figure 5. Indicator Lights — XLH 883cc

See Figure 5. Check the operation of four indicator lights. Blue BEAM light is on when high beam headlamp filament is operating. Green NEUTRAL light is on when transmission is in neutral. Yellow TURN indicator flashes when either turn signal is activated. Check operation of Red OIL indicator light.



1. Front cylinder top dead center (TDC)
2. Timing inspection hole
3. Front cylinder advance timing mark
4. Rear cylinder advance timing mark

Figure 6. Ignition Timing Mark

Complete timing information is in the 1986 XLH 883cc PRELIMINARY SERVICE INFORMATION, Section 7.

#### WARNING

When checking advance timing, always check V.O.E.S. operation. Failure to do so may result in running engine with too much spark advance, and may cause extreme engine knock and engine failure.

See Figure 6. The lazy  $\infty$  indicates rear cylinder advanced timing.

#### IGNITION TIMING — SPARK OCCURENCE

Idle	V.O.E.S.	
	Connected	Disconnected
Fast 1750 RPM	40° BTDC*	Approx. 17° BTDC
Normal 950 RPM	30° BTDC	Approx. 8° BTDC

\* Timing set condition



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