

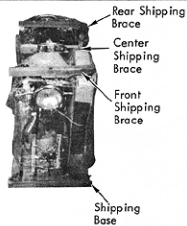
Setup Instructions

Model CB500



AMERICAN HONDA MOTOR CO., INC.
100 WEST ALONDRA BOULEVARD, GARDENA, CALIFORNIA

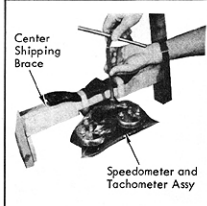
SETUP AND PREDELIVERY SERVICE MUST BE PERFORMED BY AN AUTHORIZED HONDA MOTORCYCLE DEALER. Proper setup and predelivery service is essential to the safety and reliability of the motorcycle. When a customer takes delivery of his brand new motorcycle, he expects it to be in perfect condition. There are few things that will cause greater customer dissatisfaction than poor preparation of a new motorcycle. An error or oversight made by the mechanic assembling and servicing a new unit can easily result in faulty operation, damage to the machine, or even injury to the rider.



STEP 1 - Remove the shipping crate.



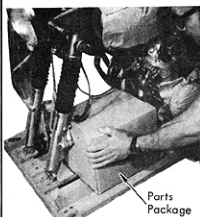
STEP 2 - Remove the front and rear shipping braces.



STEP 3 - Remove the center shipping brace. Remove the speedometer and tachometer assembly from the shipping brace.



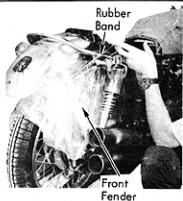
STEP 4 - Remove the rubber band securing the front wheel and remove the wheel.



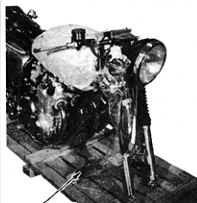
STEP 5 - Remove the parts package from under the front fork legs.



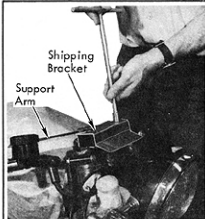
STEP 6 - Remove the seat from the rear of the unit.



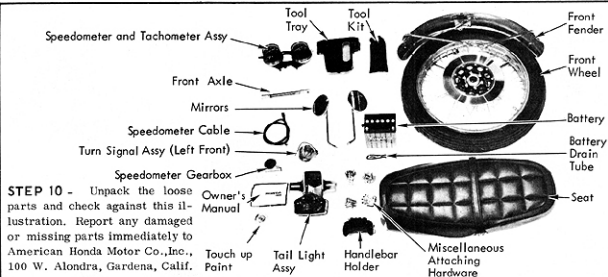
STEP 7 - Remove the rubber band securing the front fender and remove the front fender from under the rear fender.

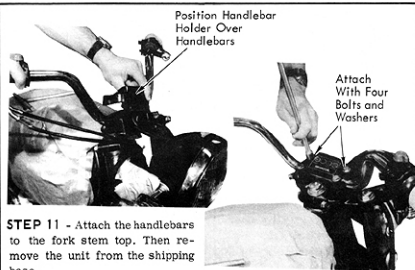


STEP 8 - Remove the wrapings from the handlebars.

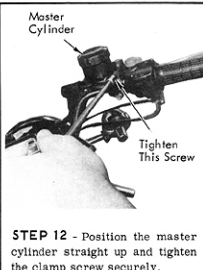


STEP 9 - Remove the front shipping bracket and the arm supporting the master cylinder.

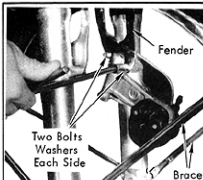




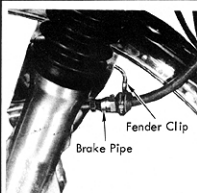
STEP 11 - Attach the handlebars to the fork stem top. Then remove the unit from the shipping base.



STEP 12 - Position the master cylinder straight up and tighten the clamp screw securely.



STEP 13 - Position the front fender between the fork legs. Attach it at the top on each side using two bolts and washers. Attach each fender brace using a bolt and washer.



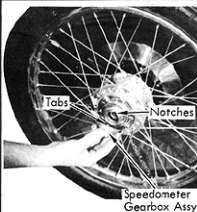
STEP 14 - Insert the brake pipe through the fender clip. Obtain a tight fit but do not use excessive force.



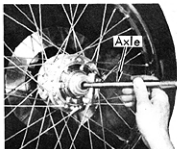
STEP 15 - Clean the front brake disc thoroughly using a good degreasing agent. Wipe with a clean cloth.



STEP 16 - Install the axle collar in the front wheel from the brake disc side.

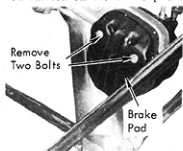


STEP 17 - Install the speedometer gearbox assembly making sure that the tabs are matched with the slots in the retainer.

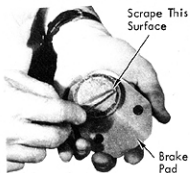


STEP 18 - Insert the front axle from the speedometer gearbox side.

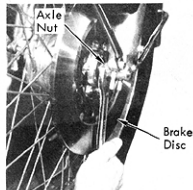
NOTE: Perform steps 19 and 20 if preservative grease from the front brake disc has accumulated on the brake pads.



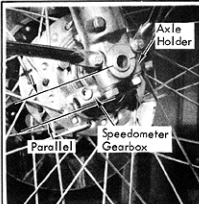
STEP 19 - Remove two hex head bolts securing the inside brake pad and remove brake pad.



STEP 20 - Scrape all preservative and residue from each brake pad. Reinstall the inside brake pad.



STEP 21 - Install the front wheel being careful to fit the brake disc between the brake pads. Then tighten the axle nut securely.



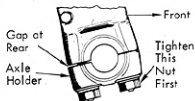
STEP 22 - Position the speedometer gearbox parallel to the axle holder mounting surface.



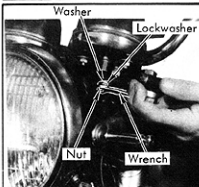
Install the axle holders on the end of each fork leg using two nuts, lockwashers, and flat washers.



The high mating surface of each axle holder should be forward.



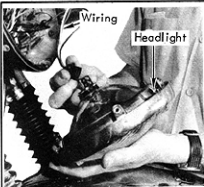
To prevent misalignment, always tighten the front axle holder nut first. Then tighten the rear nut until the axle is clamped securely in place.



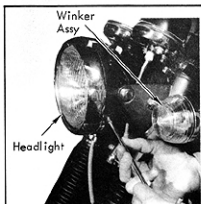
STEP 23 - Install the speedometer / tachometer assembly and attach with two nuts, lockwashers and flat washers. Attach ground wire under the left-hand nut.



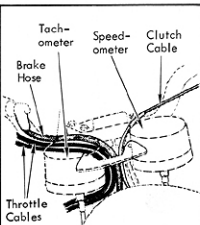
STEP 24 - Remove the headlight assembly by removing the screw from each side.



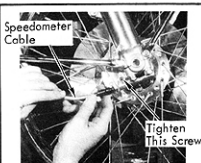
STEP 25 - Insert the left-hand turn signal wiring into the headlight housing. Connect all wiring in headlight housing. Plug terminals together (color-to-color).



STEP 26 - Attach the left-hand turn signal assembly. Then reinstall the headlight and adjust according to local regulations.



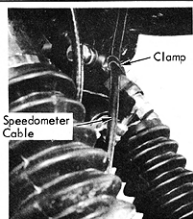
STEP 27 - Position the cables as shown above.



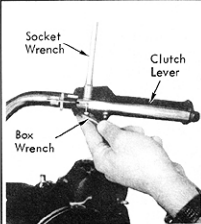
STEP 28 - Insert the speedometer cable into the speedometer gearbox with the slot in the cable seated in the flat portion of the gearbox. Secure by tightening the screw in the speedometer gearbox.



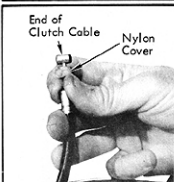
STEP 29 - Connect the speedometer cable to the speedometer. Connect the tachometer cable to the tachometer.



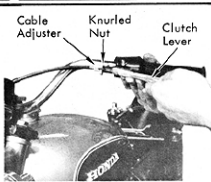
STEP 30 - Clamp the speedometer cable to the brake joint section.



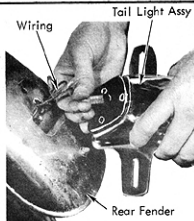
STEP 31 - Remove the bolt securing the clutch lever.



STEP 32 - Make sure that the nylon cover is over the end of the clutch cable. Insert the end of the cable into the round slot in the clutch lever.



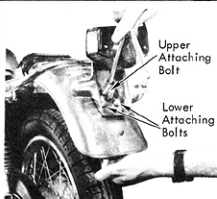
Pull the cable back through the vertical slots in knurled nut and cable adjuster. Replace clutch lever. Adjust as described in owner's manual or shop manual.



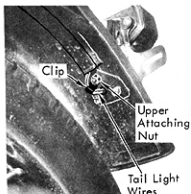
STEP 33 - Insert the tail light wiring up through the tail light assembly.



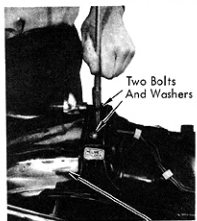
STEP 34 - Connect the tail light wires.



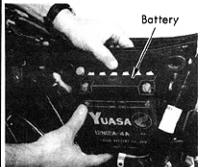
STEP 35 - Attach the tail light assembly at the two lower attachment points first. Place the wiring clip under the nut of the upper



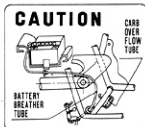
attachment bolt and secure the wiring under the clip before tightening the nut.



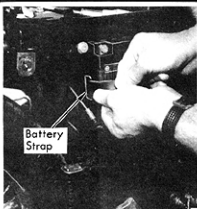
STEP 36 - Attach the rear fender using two bolts and washers.



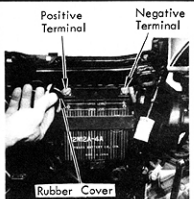
STEP 37 - Service the battery as described in the shop manual. Remove the battery cover and install the battery.



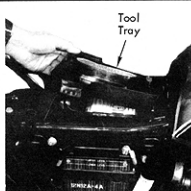
STEP 38 - Route battery vent tube as shown on the label.



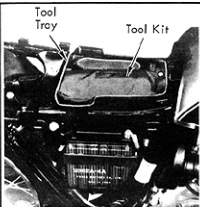
STEP 39 - Secure the battery with the battery strap.



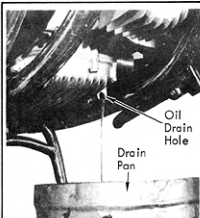
STEP 40 - Connect the battery leads and install the rubber cover over the positive terminal.



STEP 41 - Install the tool tray and snap it into place.



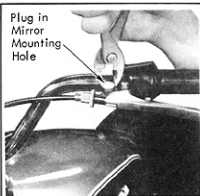
STEP 42 - Install the tool kit in the tool tray and replace the battery cover.



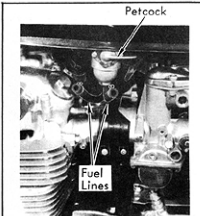
STEP 43 - Remove the drain plug and drain the oil.



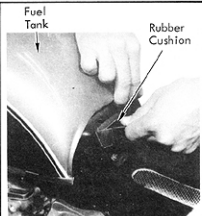
STEP 44 - Replace the drain plug and fill the crankcase with oil as described in the owner's manual or the shop manual.



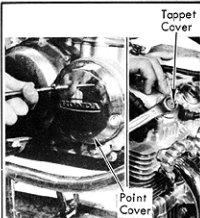
STEP 45 - Remove the plug from each side of the handlebars and install the mirrors.



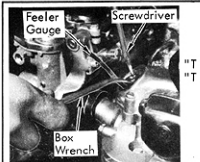
STEP 46 - Remove the two fuel lines from the petcock on the fuel tank.



STEP 47 - Release the rubber cushion and remove the fuel tank.



STEP 48 - Remove the point cover and tappet covers.

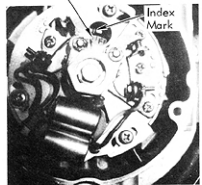


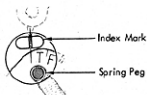
STEP 49 - Check tappet clearance. Adjust tappets, if necessary, as described in the owner's manual or the shop manual. Reinstall all tappet covers.

Intake: .002 in. (.05mm)
Exhaust: .003 in. (.08mm)

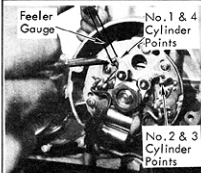
Tappet clearance is adjusted with cylinder at TDC compression stroke.

"T 1,4" Mark for No. 1 & No. 4 Cylinders
"T 2,3" Mark for No. 2 & No. 3 Cylinders



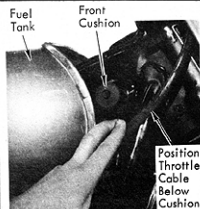


STEP 50 - Rotate the crankshaft until cylinder #1 is 15° ATDC on power stroke (index mark aligns with left edge of spring peg). Adjust cam chain tension as described in owner's manual or shop manual.

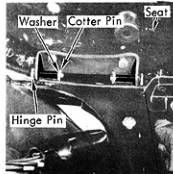


STEP 51 - Check point gap. Adjust points, if necessary, as described in the owner's manual or shop manual.

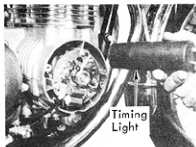
Point gap:
.012-.016 in. (.3-.4mm)



STEP 52 - Drain and flush the fuel tank. Clean the petcock fuel filter. Reinstall the fuel tank and connect the fuel lines.



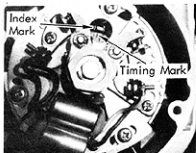
STEP 53 - Install the seat and attach it at the hinge joints with two headed pins, washers and cotter pins.



STEP 54 - Using a stroboscopic timing light, check ignition timing at idle and at full advance. Time cylinders 1 and 4, then time cylinders 2 and 3. Adjust timing, if necessary, as described in owner's manual or shop manual. Reinstall covers.

"F 1,4" mark - Initial firing position for cylinders 1 and 4
"F 2,3" mark - Initial firing position for cylinders 2 and 3

Advance Starts - 1200 RPM
Full Advance - 2500 RPM



- STEP 55** - Adjust and synchronize carburetors, using vacuum gauge set as described in the shop manual.
- STEP 56** - Fill master cylinder reservoir with DOT 3 (previous designation SAE J 1703) brake fluid, and bleed brake system as described in the owner's manual or shop manual.
- STEP 57** - Adjust front and rear brakes and check operation as described in the owner's manual or shop manual.
- STEP 58** - Adjust and lubricate drive chain as described in the owner's manual or shop manual.
[3/4 inch (19 mm) slack]
- STEP 59** - Check tire pressure: Front 26 psi; Rear 28.5 psi.

NOTE: Check all items listed on the following Pre-delivery Service Check List. Always test ride the unit to make sure that it is functioning properly.

PRE-DELIVERY SERVICE CHECK LIST

- Fill front brake master cylinder reservoir with DOT 3 (previous designation SAE J 1703) brake fluid, and bleed brake system.
- Adjust front and rear brakes, check cable routing and check operation.
- Adjust clutch, check cable routing and check operation.
- Drain oil from crankcase. Refill with recommended oil.
- Remove and inspect fuel tank, drain and flush.
- Clean petcock fuel filter.
- Adjust cam chain tension.
- Check valve clearance, adjust if necessary.
- Reinstall fuel tank, fill, turn on petcock and check for leaks.
- Install and adjust mirrors.
- Clean and check contact points and ignition timing; adjust if necessary.
- Adjust and synchronize carburetors.
- Check throttle grip free play, cable routing, and operation in all steering positions.
- Adjust and lubricate drive chain.
- Check wheel spoke tension.
- Check tire pressure: Front 26 psi; Rear 28.5 psi.
- Check operation and adjustment of front and rear suspension.

- Inspect electrical components for proper operation and adjustment:

- A. Headlight: Adjust high and low beam aim, and high beam pilot light.
- B. Tail and brake light.
- C. Stop light switches: Adjust and check operation with both front and rear brake controls.
- D. Turn signals.
- E. Horn.
- F. Starter.
- G. Instrument, flasher, oil pressure, and neutral indicator lights.

- Check security of all nuts, bolts, and other fasteners.

TEST RIDE: Check performance, handling, and operation:

- A. Transmission and clutch: Ease of shifting, clutch operation, etc.
- B. Acceleration: Smoothness, etc.
- C. Cruising: Smoothness, etc.
- D. Handling: Stability and cornering.
- E. Brakes: Smoothness and stopping power.
- F. Idling: Smoothness, throttle response, return to idle.
- G. Speedometer/Tachometer: Proper operation.
- H. Upon completion of test ride, check for fuel and oil leaks.

PARTS PACKAGE CONTENTS

The following is a list of items contained in the parts package carton packed behind the front forks:

Description	H/C	Part Number
Battery (12N12A-4A)	11314	31500-310-671
Tool set	25826	89010-323-000
Tool tray	25578	83501-323-0
Turn signal assembly, left	14573	33450-292-670
Speedometer cable assembly	25557	44830-323-000
Speedometer gear box assembly	25793	44800-323-000
Front axle	19473	44301-300-000
Front wheel collar	19310	44311-300-000
Front axle nut	19487	90305-300-000
Axle holder (2 reqd.)	25565	95014-41000
Mirror, right	25586	88110-323-004
Mirror, left	25408	88120-323-671
Taillight assembly complete:		
Taillight unit	21934	33701-300-671
Taillight wire	19200	33711-300-000
Stoplight wire	19202	33713-300-000
Taillight ground wire	19201	33712-300-003
Taillight bracket	23658	84701-300-672XW
Taillight mounting bracket pad	23659	84702-300-010
Taillight wire clamp	25496	32111-323-000
Handlebar holder assembly complete:		
Upper holder	25726	53133-323-000
Lamp socket base	25473	37576-323-000
Pilot lamp socket	25474	37577-323-000
Lamp socket set spring	25475	37579-323-000
Dash bulbs (4 reqd.)	04490	34902-259-000
Pilot lamp cord complete	25476	37581-323-000
Owner's manual	24409	CB-500
Bolt, hex 6x16 (2 reqd.) front fender	24430	92000-06016-4J
Bolt, hex, 6x25 (2 reqd.) front fender	25686	92200-06025
Bolt, hex, 6x20 (7 reqd.) front fender & taillight	05427	92000-06020
Bolt, hex, 6x28 (1 reqd.) turn signal	25689	93000-06028-02
Bolt, hex, 8x40 (4 reqd.) handlebar holder	25692	93100-08040-0B
Washer, spring 6mm (3 reqd.) front fender and taillight	05897	94111-06000
Washer, plain 6mm (7 reqd.) front fender and turn signal	05907	94101-06000
Washer, spring 8mm (4 reqd.) axle holder	05898	94111-08000
Washer, plain 8mm (4 reqd.) axle holder	05909	94101-08000
Washer, special 8mm (4 reqd.) handlebar holder	07886	90555-283-000
Washer, 18mm (3 reqd.) taillight	16645	90581-831-650
Nut, 6mm (2 reqd.) Turn signal and taillight	15606	94001-06000-0S
Nut, 8mm (4 reqd.) axle holder	11468	94030-08000