

HONCHO 4 WHEEL DRIVE LIMITED WARRANTY

Adventure Vehicles, Inc. guarantees each new vehicle to be free of defects in workmanship and/or material at the time of shipment from the factory. No warranty of any kind is made with respect to second-hand products, or with respect to new products which, after shipment from the factory, have been altered, repaired or treated in any manner whatsoever. The factory will repair or replace, at its option, to the original user any part or parts found to be defective in workmanship or material upon examination at the factory in Monroe, Louisiana at which time our examination shall disclose to our satisfaction to have been thus defective. The warranty period shall not exceed ninety (90) days from first use with the exception of power train components consisting of the Engine, Transaxle, Battery and Tires, which are covered by separate warranty.

All Claims must be brought, in writing, to the attention of Adventure Vehicles, Inc. within thirty (30) days after discovery that goods or parts fail to perform as warranted.

This warranty shall not apply to:

- (A) Chains, Sprockets, and Belts due to the wear characteristics.
- (B) Failures due to normal wear, accident, misuse, abuse, or negligence.
- (C) The use of this vehicle in competitive racing or commercial or rental voids any warranty stated or implied.
- (D) The cost of transportation charges and/or the cost of labor involved in servicing or replacing parts of components.

The foregoing warranty IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED, IMPLIED OR STATUTORY (INCLUDING, BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PURPOSE) and of any other obligations and/or liabilities on the part of Adventure Vehicles, Inc. and Adventure Vehicles, Inc. neither assumes nor authorizes any other person, natural or corporate, to assume for it any other obligation or liability in connection with or with respect to any engine or parts. Adventure Vehicles, Inc. shall in no event be liable for any consequential, incidental or special damages nor for the improper selection of an engine or part for a particular application.

Adventure Vehicles, Inc. reserves the right to change or improve the design of any vehicles without assuming any obligations to modify any vehicle previously manufactured.

To make claim under this warranty, contact the authorized dealer from whom the vehicle was purchased. Vehicles or parts shipped to the factory for our inspection must show model and serial number. A WARRANTY CARD MUST BE ON FILE PRIOR TO ANY WARRANTY CLAIMS BEING RECEIVED.



MADE IN
U.S.A.

HONCHO

4 WHEEL DRIVE ATV

Manufactured by

ADVENTURE VEHICLES, INC.

114 Melvyn Drive

Monroe, LA 71203

Phone 318—343-3886



OWNER'S MANUAL

THINK SAFETY FIRST

ADVENTURE VEHICLES, INC. welcomes you as a proud owner of an AMERICAN made off-road vehicle, the **HONCHO**. Your **HONCHO** was built to the highest standards in the industry.

Your vehicle is only as safe as its operator; **carelessness or error on the part of the operator can result in injury**. Please follow these instructions on the safe operation of your vehicle. Be certain that anyone using your vehicle is familiar with them.

1. Your vehicle is designed for off-road use only.
2. The **HONCHO** is designed as an operator only vehicle.
3. ALWAYS wear a helmet, eye protection, and protective clothing while riding.
4. DO NOT allow anyone to operate your vehicle without proper supervision and instruction, especially MINORS.
5. All persons should operate the **HONCHO** on level, unobstructed terrain until completely familiar with its handling characteristics.
6. Improper use of this vehicle can result in damage to operator and/or vehicle.
7. Making a pre-ride inspection before operation, may prevent an accident or equipment damage.
8. Know how to stop the bike and engine instantly.
9. Know the controls and how they operate.
10. Make sure the throttle is working free before starting.
11. Stop the engine whenever you get off your vehicle.
12. DO NOT fill gas tank while engine is hot or running.
13. Know the terrain where you are riding. Use caution when operating in unknown terrain. Snow, water, and grass can hide stumps, logs, & holes.
14. Ride cautiously when riding in rough areas and use moderate speeds.
15. Avoid quick turns.
16. DO NOT go over the crest of a hill at excessive speeds or attempt to "jump" the vehicle.
17. DO NOT enter an area you cannot get out of. (A slick surface incline is much easier to descend than climb.)
18. DO NOT operate the vehicle where it is required to float.
19. Never attempt to operate the vehicle from anywhere other than the driver's seat.
20. Modification or removal of original equipment may render the vehicle unsafe.
21. Be a good citizen by obeying local and state off-road riding laws. Always obtain permission before riding on private property.

**THESE VEHICLES ARE NOT DESIGNED FOR USE ON IRREGULAR
OR HILLY TERRAIN. OPERATION IN SUCH AREAS
MAY RESULT IN INJURY TO THE OPERATOR!**

Please read this manual carefully.

HAPPY RIDING!

PRE-RIDE INSPECTION

Inspect your **HONCHO** daily before operation.* If the inspection is not performed, serious damage to the **HONCHO** is possible or an accident may result.

1. Check fuel lever, fuel line, and tank for leaks.
2. Check brakes. See Maintenance for adjustments. DO NOT operate if brakes fail to work properly.
3. Check throttle for easy opening and closing. DO NOT operate if throttle is sticking. See Maintenance for adjustments.
4. Check tire condition and pressure.
5. Check ignition switch for proper function.
6. Check drive chains. See Maintenance for proper chain tension, adjustment, and lubrication.
7. Check nuts, bolts and fasteners. Tighten where necessary.

CORRECT ANY DISCREPANCIES BEFORE YOU RIDE. Contact your dealer for assistance if you cannot correct the problem.

*Normal maintenance service and replacement of service items are the responsibility of the owner.

OPERATION

1. **BRAKE CONTROL:** The hand brake is located on the left handlebar and is operated by squeezing toward the handlebar.
2. **THROTTLE CONTROL:** This control is located on the right handlebar and is operated by pulling the lever toward the handlebar.
3. **IGNITION CUT OFF:** Turn key to left to stop engine.
4. **CHOKE CONTROL:** Pull the choke before starting the engine. Allow the engine to warm up for approximately 30 seconds, then push the choke control in to run.

TO START ENGINE

1. Check and make sure that all throttle, carburetor and governor linkage is working freely before starting.
2. Check to make sure that the throttle is in idle position.
3. Pull the choke control to choke position. Do not choke if restarting a warm engine.
4. Turn the key to the right to start engine. If battery fails, the electric start engine can be started by using the recoil rope.
5. When engine starts, push choke control in gradually as the engine warms up.

**CAUTION: PULLING THE THROTTLE WHILE STARTING THE MOTOR
MAY CAUSE THE MACHINE TO MOVE RAPIDLY.**

TO STOP ENGINE

1. Turn key to left to stop engine.
2. If engine fails to turn off by the above procedure, pull choke fully to kill engine.

TO CHANGE GEARS

Vehicle must be at a DEAD STOP before attempting to change gears. DO NOT ATTEMPT TO CHANGE GEARS WHILE VEHICLE IS MOVING OR WHILE ENGINE IS AT HIGH RPM'S. This may result in damage to the trans-axle.

1. Shift lever is located under right rear fender.
2. Lever positions are as follows: 1) Down is Forward; 2) Mid-way is Neutral; 3) Up is Reverse.

MAINTENANCE

NORMAL MAINTENANCE SERVICE AND REPLACEMENT OF SERVICE ITEMS ARE THE RESPONSIBILITY OF THE OWNER.

1. FRONT END MAINTENANCE: The U-joints need to be greased every 50 hours of operation or more often as needed in severe applications.
2. BEARINGS: All bearings are pre-lubricated and sealed requiring no lubrication.
3. TRANSAXLE: Check oil level annually in transaxle. The transaxle for the **HONCHO** holds approximately 16 oz. of 90 wt. oil.
4. OIL: Check engine oil level after every 2 hours of operation. (See Engine manual for oil change schedule.) **DO NOT OPERATE WITH DIRTY OIL OR LOW OIL AS DAMAGE MAY RESULT.**
5. AIR CLEANER: Replace paper air cleaner element every 10 hours under normal conditions or more frequently (even daily) under extreme conditions. (See Engine manual.)
6. CABLES: It is important to keep control cables well lubricated. Cables should be oiled at the first signs of rough and jerky movement of controls. Use a light oil like LPS 25 or WD-40. If lubricant does not correct the problem, check for "kinks" in the cable and replace. **DO NOT OPERATE VEHICLE IF CONTROLS DO NOT OPERATE PROPERLY! IF YOU ARE UNABLE TO CORRECT THE PROBLEM, CONTACT YOUR DEALER FOR ASSISTANCE.**
7. TIRES: Check tire pressure periodically. Recommended tire pressure is 2 lbs. Maximum pressure is 5 lbs. All tires should have the same air pressure.
8. NUTS: Check all nuts for tightness after first 5 hours of operation, then every 25 hours.
9. DRIVE BELT: Do not use belt dressing. If belt is slipping, check to see if belt is wet or worn.

10. BATTERY: If battery is wet, check water level every 25 hours. If a battery needs charging use a 2 amp. charger. When vehicle has not been used for more than 21 days, charge battery before use. Instructions for DRY Battery: Use 12.65 Gravity Acid. CHARGE at 4 amps. or less until the charge voltage reaches 16 volts and the gravity is 12.50-12.65. **DAMAGE MAY RESULT TO THE BATTERY IF INSTRUCTIONS ARE NOT FOLLOWED.**

11. TORQUE CONVERTERS:
SEE DIAGRAMS FOR WEAR ITEMS.

12. BRAKES: Brakes should be adjusted as needed.

- A. The adjusting screw is located on the brake lever on the left handlebar. Adjust the screw out to tighten the cable. If all adjustment has been made and the brakes are not secure, do Step B.
- B. Adjust the screw in until it stops. The brake must be adjusted at the brake band located on the transaxle. Loosen the jam bolt that holds the inner cable. Pull the slack out of the inner cable so that the brake band measures .0025 from the brake drum. While holding pressure on the inner cable, retighten the jam bolt to secure the cable in place. Then repeat Step A if necessary.

NOTE: Replace the brake band when the brake lining is less than $\frac{1}{16}$ " thick.

DO NOT OPERATE VEHICLE IF BRAKES DO NOT OPERATE PROPERLY! IF YOU ARE UNABLE TO CORRECT THE PROBLEM, CONTACT YOUR DEALER FOR ASSISTANCE.

13. CHAINS: The life of the chains (and sprockets) depends on the care and maintenance they receive.

- A. The PRIMARY Drive Chain is located on the lower right hand side and is the shorter and larger (#60HT) of the two chains.

The Primary Drive Chain should have no more than $\frac{3}{8}$ " of travel in the top of the chain. To tighten the chain, loosen the $\frac{5}{8}$ " bolt that travels through the idler sprocket. Tighten the $\frac{1}{4}$ " nut as it draws the idler sprocket down on the chain, then retighten the $\frac{5}{8}$ " bolt.

- B. The SECONDARY Drive Chain is located under the engine and is the longer and smaller (#50NP) of the two chains.

The Secondary Drive Chain should have no more than 1" of travel in the top of the chain. To tighten the chain, loosen the $\frac{5}{8}$ " bolt that travels through the idler sprocket. Tighten the $\frac{1}{4}$ " nut as it draws the idler sprocket down on the chain, then retighten the $\frac{5}{8}$ " bolt.

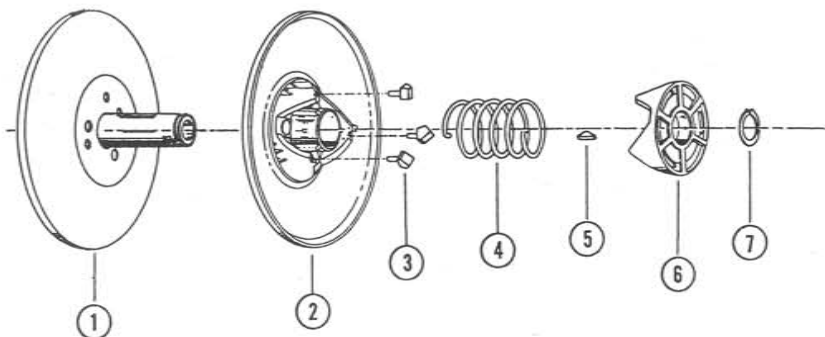
NOTE: *DO NOT OPERATE VEHICLE IF CHAINS ARE NOT PROPERLY ADJUSTED AS DAMAGE MAY RESULT TO CHAINS, SPROCKETS, AND DIFFERENTIAL HOUSING.

*DO NOT OVERTIGHTEN CHAINS AS DAMAGE MAY RESULT TO CHAINS AND SPROCKETS.

*KEEP CHAINS WELL LUBRICATED WITH A HEAVY OIL (90 Wt.) OR GOOD CHAIN LUBRICANT LIKE LPS #3.

14. SPROCKETS: Check alignment periodically. Re-align when necessary.

MODEL 846 DRIVEN PULLEY ILLUSTRATED PARTS LIST



ASSEMBLY NO. 155202

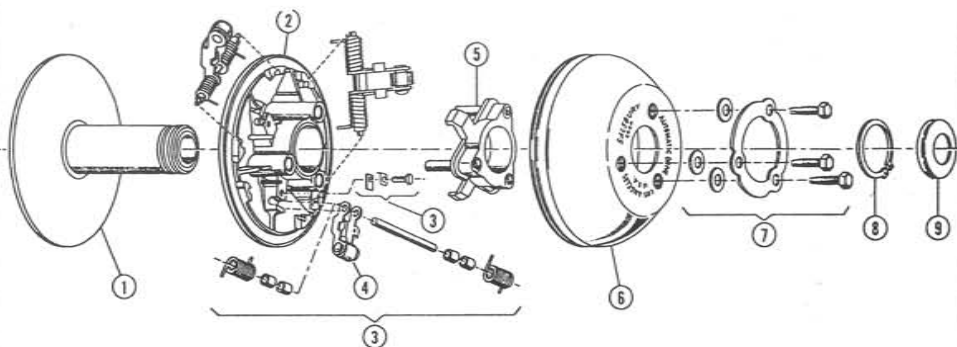
ITEM	PART NUMBER	DESCRIPTION	QTY. PER UNIT
	155202	Driven — complete	1
1	602216	Fixed Face & Hub Asy.	1
2	602217	Moveable Face Asy.	1
3	703831*	**Slippers	3
4	703246	Spring	1
5	20-0020*	Key	1
6	704377*	Cam — 28 degrees	1
7	900009*	Ring — Retaining	1

**This item is included in assembly 602217.

*Most frequently serviced items.

This driven assembly is standard equipment on all Honchos manufactured after April 15, 1985.

MODEL 700 DRIVE PULLEY ILLUSTRATED PARTS LIST



ASSEMBLY NO. 153725

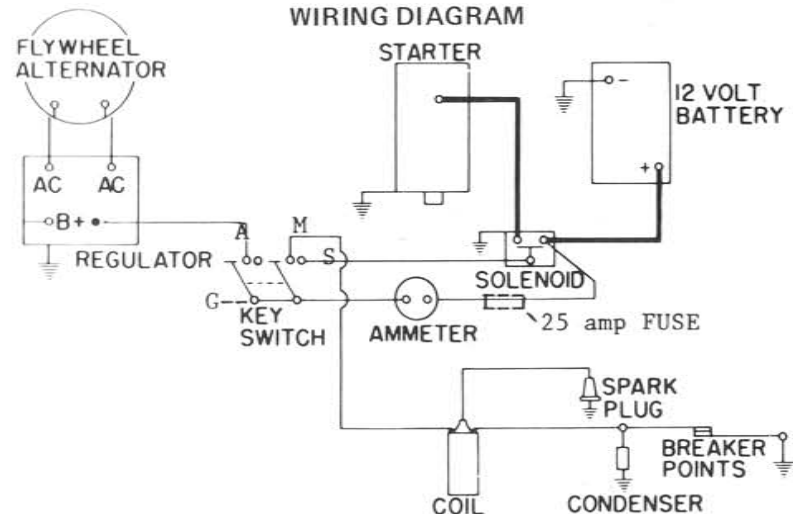
ITEM	PART NUMBER	DESCRIPTION	QTY. PER UNIT
	153725	Driver — complete	1
1	200013	Fixed Face & Hub	1
2	602187	Moveable Face Asy.	1
3	690367	Kit — Spring	1
4	690406*	Kit — Roller Weight	1
5	602072	Spider Asy.	1
6	702967*	Ramp Plate	1
7	690088*	Kit — Mounting	1
8	900009*	Ring — Retaining	1
9	703077	Washer	1

ACCESSORIES

*Most frequently replaced

This driver assembly is standard equipment on all Honchos manufactured after April 15, 1985.

WIRING DIAGRAM



TROUBLE SHOOTING

Engine Fails to Start

1. Check Battery on Electric Start Models.
2. Out of gasoline; check fuel shut-off valve to see if closed.
3. Water or debris in gas tank.
4. Check fuel filter.
5. Check for blown fuse.

Engine Runs Poorly

1. Check Air Cleaner. (See Engine manual)
2. Check for water in gasoline tank.
3. Check air intake on right side of engine to see if debris is clogging engine.
4. Check carburetor settings. (See Engine manual)
5. Check spark plug.
6. Check to see if choke is open.
7. Check fuel filter.

Machine Pulls to One Side

Check air pressure in rear wheels. All tires should have same air pressure.

Machine "Creeping" While Stopped

1. Engine idled too high.
2. Throttle not returning. Oil Cable.
3. Engine driver clutch needs lubrication. (See "Maintenance" Torque Converters)

Motor Won't Kill

Check wiring for loose connection at Ignition Switch.

Machine Won't Stop

Check brake cable and adjust tension at brake lever. (See "Maintenance" Chains)

Loss of Power

1. Check tire pressure in all tires. Low tire pressure will slow machine.
2. Check air cleaner. (See Engine manual)
3. Check air intake for stoppage.
4. Check wear in drive belt.
5. Service Driver Clutch.

Drive Belt Slipping

1. Check to see if water is inside Belt Enclosure.