

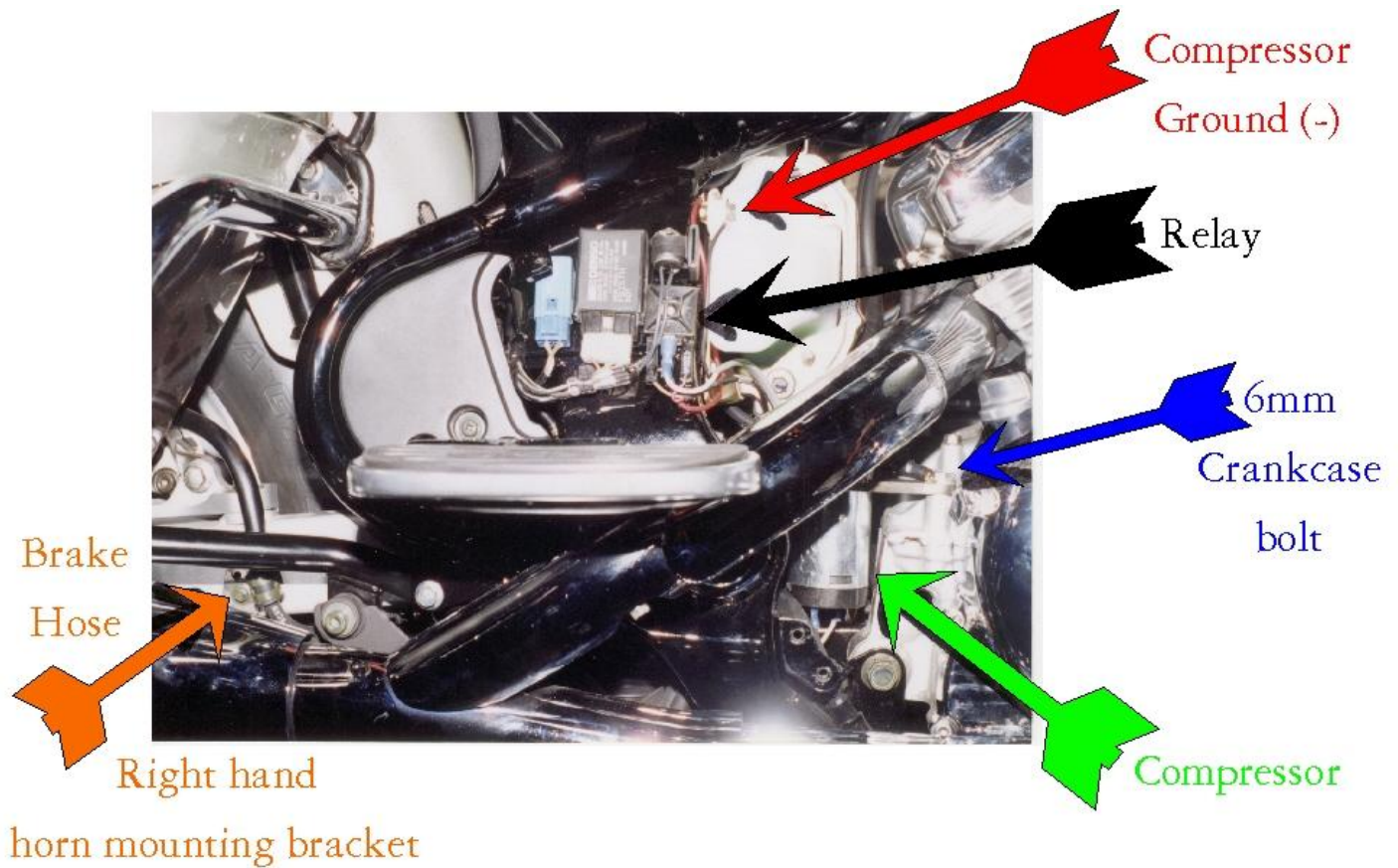
AHRSV – Yamaha Royal Star Venture Air Horns (All models 96 & up except 1996 with 4 separate mufflers)

1. Remove seat and right hand side cover.
2. Remove stock horn located on the right hand side just behind the engine. If the wire connector is molded in one piece use a knife to separate the two terminals.
3. Route these horn wires just behind the exhaust to a point just behind the coolant overflow tank and in front of the electrical components to where the relay will be mounted, see black arrow.
4. Install the gray-jacketed cord without the double (piggyback) connectors onto the compressor. White connects to (+) positive terminal and black to the (-) negative terminal. Next install the air hose "Y" assembly (short hose to the compressor air outlet fitting).
5. Remove the 6mm bolt (10mm wrench size), see blue arrow, from the engine crankcase that is the farthest to the right and rear of the engine. Usually this bolt also has the battery ground wire attached to it. Using the longer bolt & washer supplied, install the compressor routing the hoses and the "Y" downward between the swing arm and the rear brake hose. Route the wires upward behind the compressor; behind the side cover, to the same area as the horn wires, see blue arrow. Before tightening securely, be sure the compressor or bracket does not touch the exhaust, frame or engine. You may need to loosen the bolt holding the compressor to the bracket to achieve this. Tighten bolts securely.
6. At this point you may choose to re-install the stock horn and have both the air horns and the electric horns working simultaneously, although the air horns are so loud that the electric horn is virtually unnoticeable. To have both proceed as follows. Using the other gray-jacketed cord provided attach the end with the single female connector to the original horn, re-install the stock horn, route the wires behind the side cover with the side cover with the compressor wires. Plug the stock horn wires into the double (piggyback) connectors of this cord.
7. Install the relay and make wire connections as follows. NOTE: see wiring diagram also. Connect the 2 wires from the original horn to the relay terminals marked #85 and #86. It makes no difference which color wire goes to which terminal. Connect the white wire to the relay terminal #30 or #87. Connect the red wire with the fuse holder to terminal #30 or #87 of the relay. NOTE: some relays have a terminal #87A in the center of the relay, this is not used. Route the fuse behind the frame up to the battery (+) positive terminal and connect. Attach the compressor (-) negative black wire ring terminal to one of the bolts holding the coolant overflow tank to the frame see red arrow. Secure the relay to the wires from the other electrical components (with the wired terminals pointing downward) using a small cable tie provided. Use one more cable tie to secure all wires neatly together and away from the exhaust just above the compressor.
8. Attach the short horn to the right side of the motorcycle, under the swing arm. Attach the horn using the bolt that secures the brake hose to the outside of the swing arm, see orange arrow. On non-Ventures models this bolt is on the bottom of the swing arm and you will need to replace the bracket on the horn with the small angle bracket provided in the hardware kit. Align the horn to clear the exhaust by 3/8" minimum and make sure that it is not touching any point of the motorcycle. Tighten the bolts at both ends of the bracket securely. Install the long horn on the left side below the swing arm drive shaft housing. Remove the bottom outer acorn nut (14mm wrench size) from the rear driveshaft housing. Install the horn and bracket. Align the horn to clear the exhaust by 3/8" minimum. Adjust the horn so that it is not touching any other part of the motorcycle. Tighten both the nut and the bracket bolt securely.

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9. Route the short hose to the short horn and attach. Secure hose to the horn loosely using a cable tie just in front of the horn bracket. NOTE: leave enough slack in the hose to allow for the horns moving up and down with the rear wheel and suspension. Route the long hose across the frame just above the suspension linkage then back to the long horn. Attach hose and secure in the same manner as the short horn. NOTE: be careful not to kink the hose or over tighten with the cable tie, as this will restrict the airflow and volume of the horns. Again allow some slack in the hoses, as the horns will move up and down with the rear wheel and suspension.
10. Turn on the ignition and test the horn. Be sure that all the wires are neatly secured with the cable ties provided. Re-install the side cover and seat.

NICE WORK! ENJOY. Thank you for purchasing a RIVCO product.



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