HAVOC ROAR

ROADLOCK AMPLIFIER BRACKET INSTALLATION

For Aquatic AV AD500.4 Amplifier (for use with Aquatic AV HS116 Neo Speakers)

Please read the complete instructions before you begin.

Before you begin, we recommend that you have on hand:

- A step drill bit (unibit). Standard twist bits can "grab" the saddlebag material and cause cracking.
- A small tube of black RTV silicone to seal around the grommets at the end.

Installation in Left (Clutch Side) Saddlebag

The RoadLock bracket fits the left (clutch side) saddlebag. Left and right are always as seen from the rider's seat. The left is the low side when the bike is parked, which leaves the right bag free for daily use.

Note: Once installed, the left saddlebag is bolted to the bike. Removing it takes a wrench, not a quarter-turn.

Wiring Overview

Going into the saddlebag will be:

2 x RCA leads from the head unit

2 x Amplifier Wiring Harness (1 power and 1 ground)

2 x Highway Bar Speaker Leads (1 right, and 1 left)

Optionally on 6-speaker kits: 1 x Saddlebag speakers (1 right; left is wired inside the bag)

The grommet kit includes 6 large and 4 small grommets. Choose your own layout: for example, one RCA in each small grommet or both through one large grommet; the same

goes for the two power leads. Some riders prefer fewer holes, others more separation. The speaker connectors must go through large grommets.

Tip: The Deutsch connectors on the speaker leads go through the grommets BEFORE the grommets are installed in the bag. Once the grommets are in the panel, there is less "give" to get the connectors through.

Step 1: Remove the Saddlebag

1. Open the bag and release the two quarter-turn (bail-head) fasteners.
2. Lift the bag off the bike.
3. Gently pry the factory Dzus spring clips off the saddlebag support brackets with a flat-blade screwdriver. You won't need them again.

Step 2: Mark Your Hole Locations

The amp is pre-wired with all terminals at the front of the bracket. Keeping the holes toward the front and reasonably high keeps them clear of tire spray.

- Mark your holes on the back wall of the left saddlebag, near the front (closest to the rider).
- Space the marks at least 2 inches apart so the grommet flanges don't overlap, whether stacked or side by side.

Step 3: Drill

Note: 1994–2013 and 2014-and-later saddlebags have different wall thicknesses, and your grommet kit is matched to your bike's year. Drill with the step bit to the hole size for your year.

Hole Size, 1994–2013

Grommet	Material Thickness	Inside Diameter of Grommet	Hole Diameter
Small	1/8”	5/16”	9/16”
Large	1/8”	½”	¾”

Hole Size, 2014 and Later

Grommet	Material Thickness	Inside Diameter of Grommet	Hole Diameter
Small	¼”	5/16”	9/16”
Large	¼”	½”	13/16”

Note: Our silicone grommets are made for the OEM Harley-Davidson saddlebag wall thickness. Aftermarket bags with thicker fiberglass or thinner plastic walls may need different grommets.

Step 4: Route the Wires and Fit the Grommets

Feed each lead through its grommet first, then press the grommet into its hole. Don’t seal anything yet; that’s the last step.

RCA leads. Start at the radio and follow this path:

- **The Headstock:** Zip-tie the RCAs inside the nacelle to the factory wire bundles at the neck. Leave enough slack for the bars to lock full-left and full-right without tugging the cables.
- **Under the Tank:** Follow the left (clutch side) frame rail. Use the factory plastic wire troughs if there’s room, or zip-tie the RCAs to the top of the rail so they aren’t pinched when the tank is bolted down.
- **Under the Seat:** Continue along the left rail to the bag.
- **Into the Bag:** Pass the RCAs through their grommet(s) one at a time.

Amp power harness. The plug on the power leads was assembled for bench testing and shows how it goes together. Remove it, pass the wires through their grommet(s), then

reassemble it inside the bag (a spare plug is included). Run the harness from the battery to the bag by the shortest path under the seat. Do not connect the ring terminals to the battery yet.

Speaker leads. Pass the Deutsch connectors through the large grommets before fitting them.

Keep power and signal apart: to prevent interference ("alternator whine"), keep the RCA and speaker wires away from the amp power wires. Where they must meet, cross them at a right angle rather than running them side by side.

Step 5: Install the RoadLock Bolt Clips

1. Take the two stainless steel bolt clips from the hardware kit.
2. Slide them onto the saddlebag support brackets where the old spring clips were. The threaded side faces the bike, away from the bag.

Step 6: Mount the Bag and Bracket

1. Set the saddlebag back onto the lower support rail.
2. Place the RoadLock bracket inside the bag, lining up its mounting slots with the holes in the bag and the clips on the frame.
3. For each hole, stack the hardware in this order: bolt → lockwasher → large flat washer → bracket → saddlebag wall → bolt clip.
4. Tighten until the lockwasher is flat and the bracket is solid. Snug is enough; overtightening can crack the bag.

Step 7: Connect the Amplifier

RCA: The amp has Y-splitters pre-installed. Plug the RCA leads into either one.

Speakers: The speaker connectors on the amp are pre-wired, and it doesn't matter which one each speaker plugs into.

Power plug: Connect the power plug to the amp.

IMPORTANT: Orientation matters. Red (power) must go to red and black (ground) to black. Reversing them will cause a short and damage components.

Remote wire: Connect the blue "wake-up" (trigger) wire from the amp to the blue wire on the GP1 power harness so the amp turns on and off with the ignition. It's a simple push-in bullet connector.

Step 8: Battery Connection & Power-Up

⚠️ **SAFETY FIRST:** Ensure the main fuse is removed from the fuse holder in the harness at the battery before beginning. Do not insert the fuse until the very last step.

Order	Action	Connection Point
First	**Positive Connection**	Connect the **RED** ring terminal to the **Positive (+)** battery post.
Second	**Negative Connection**	Connect the **BLACK** ring terminal to the **Negative (-)** battery post.

1. **Inspect:** Confirm both terminal bolts are tight and no 8 AWG wire is pinched under the seat or frame.
2. **Fuse:** Re-insert the fuse into the waterproof fuse holder.
3. **Test:** Turn the ignition to "ACC" or "ON." The amp should power up.
4. **Seal:** Once everything works, run a small bead of black RTV silicone around any gaps in the grommets so water can't follow the wires into your connections. Let it cure for at least an hour before riding.

PARTS INCLUDED:

1 x Aquatic AV AD500.4 Amplifier, pre-installed & Wired
1 x RoadLock Amplifier Bracket
1 x Hardware Kit (2x bolts, 2x lockwashers, 2x flat washers)
1 x Grommet Pack (1994–2013 or 2014 and later)
1 x HRB Power Plug
1 x RCA Lead (connect to Head Unit – run to saddlebag)
2 x RCA Y Splitters
2 x 4” UV Resistant Cable Ties

QUESTIONS?
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