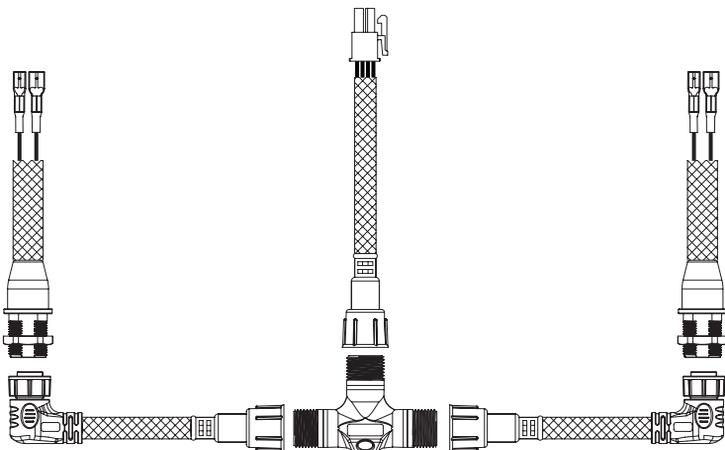
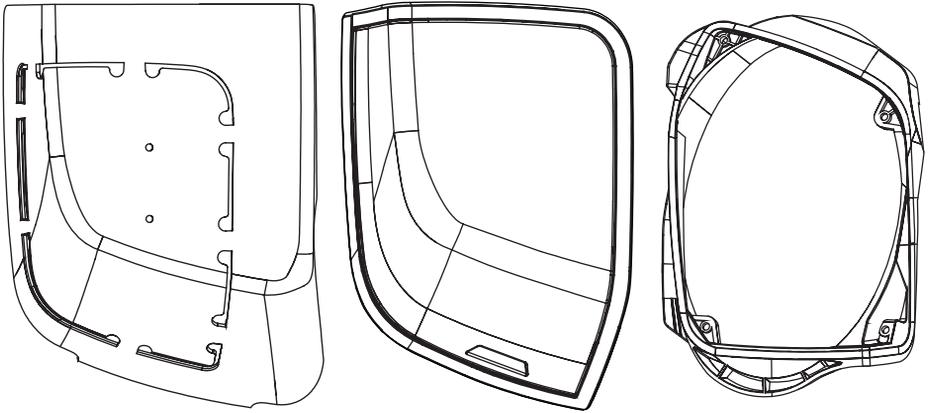




# PrecisionPower®

*Absolutely State of the Art Mobile Audio™*

## ***Saddlebag Lid Speaker Installation Kit For Harley-Davidson® Touring Series Motorcycles***



## Cutting The Saddlebag Lid

1. Remove the saddlebags from the motorcycle and set on a convenient, protected working surface.

2. Tape-off the front & sides of the saddlebag lids with masking tape, to avoid scratching any painted surfaces.

**Tip:** Consider removing the lid from the saddlebag if working in a smaller or elevated workspace.



3. Set the provided cut template on each saddlebag lid. While firmly holding the template in place, trace the cutout lines onto the masking tape.

**Tip:** If the template is difficult to hold while tracing the cut-out lines, it can be attached to the lid. Two screw holes are provided on the top face of each template. Secure it to the lid by pre-drilling each hole with a 1/8" drill bit, then use the two fine-point screws provide to attach the tempate to each lid.

4. Remove the soft hinge from the lid side by unscrewing the two T25 Torx screws.



5. Following the traced cut-out lines, cut away the speaker opening from each lid. If using a jig-saw or air-saw, pre-drill a 3/8" hole within the cut-out area to accommodate the start of your cut. After the center section has been cut away, use a metal file to smooth-out any rough edges and corners. **SAFETY GLASSES ARE A MUST!!!!**

**Tip:** For better results, use a rotary tool with cut-off wheels/discs. Rotary tools may also include sanding attachments to remove any excess material from the sharp & rounded corners. **SAFETY GLASSES ARE A MUST!!!!**



6. While holding the grill in place on the top surface of the lid, turn the lid over and line-up the speaker adapter screw holes. Use four small headed phillips screws provided to attach the speaker adapter to the grill.

*Tip: A small flange of the soft hinge mounting screw stand-off may need to be trimmed away for proper alignment. This can be cut away with a utility knife.*



7. Install your PrecisionPower MAS 6x9 speaker to the speaker adapter attached to the grill in step 6. Condolences for your loss if you chose a different brand of speaker. Orientate the speakers so the wire terminals are toward the middle of the lid, not toward the edge of the lid.



Attach the speaker using four large headed phillips screws provide.



8. Reattach the soft hinge to the lid, or the entire lid if you removed it from the saddlebag completely. Then, reattach the saddlebag to the motorcycle as you removed it in step 1.

## ***Wiring The Lid Speakers To An Amplifier*** ***Saddlebag Prep***

1. Drill a hole in the side of the saddlebag, near the front bale pin or lever screw hole, following the dimensions below. A 16mm paddle bit is included.



1998-2013 model year saddlebags  
1.50" left of the hole, 2.25" up



2014+ model year saddlebags  
1.75" left of the hole, 0.75" up

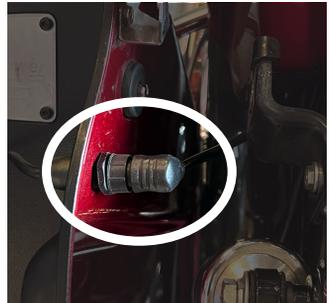


## **Saddlebag Prep (cont.)**

2. Attach the speaker cable with green wires to the speaker previously installed in the clutch side saddlebag lid. Attach the speaker cable with violet colored wires to the speaker previously installed in the brake side saddlebag lid. The terminals are keyed in size for correct polarity.

3. Remove the seat strap & seat screws with a Phillips screw driver. Store the seat and the screws removed in a safe place for re-installation later.

4. Remove the threaded nut from the waterproof connector, and insert the connector into the hole drilled in step one. Hand-tighten the nut onto the connector, securing it to the saddlebag.



5. Attach a speaker cable with 90° connector to the saddlebag connector, and route the cable to the battery compartment. Attach the cable to frame members and other brackets to avoid moving belt, brake parts, etc. with cable ties.



6. Connect each saddlebag speaker cable to its corresponding side of the T-connector. Brake side saddlebag speaker cable connects to the “Lch.” side of the T-connector, and brake side saddlebag speaker cable connects to the “Rch” side.

## **2014+ Street Glide & Ultra Windshield & Outer Fairing Removal**

1. Remove three outer fairing bolts using a T27 Torx screw driver. The three outer fairing bolts are located below the windshield. Remove the windshield, store it and the screws removed in a safe place for re-installation later.



**TIP:** Reinstalling the center screw after removing the windshield will prevent the outer fairing from falling during the next step. A few turns by hand will be sufficient.

## 2014+ Street Glide & Ultra Windshield & Outer Fairing Removal (cont.)

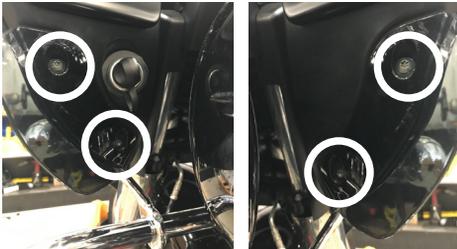
2. Remove four inner fairing bolts using a T27 Torx screw driver. The four inner fairing bolts are located adjacent to each turn indicator mounting bracket and below each speaker. Store these screws in a safe place for re-installation later.



3. While straddling the front wheel fender, grasp the outer fairing, remove the center outer fairing bolt from the previous step, then gently pull the fairing apart from the bike. With the fairing slightly pulled away from the bike, disconnect wire harness for the headlamp and any other accessories. Lay the fairing on a protected flat surface to prevent damage.

## 2014+ Road Glide Windshield & Outer Fairing Removal

1. Detach each turn signal / indicator light by removing the adjacent hex socket screw, using a 3/16" hex head driver. Store these screws in a safe place for re-installation later.



2. Remove four inner fairing bolts using a T25 Torx driver. Two inner fairing bolts are located below each glove box, adjacent to each wind deflector. Store these screws in a safe place for installation later.

3. Remove four windshield bolts using a 1/8" hex driver or Phillips screw driver and remove the windshield. Also remove factory vent by pulling straight up on the vent. The vent comes snapped in place. Store the screws in a safe place for installation later.



4. After removing the vent, locate and unplug the 3-pin wire harness for the left and right side turn signal indicator. These harnesses are adjacent to each side of the head unit.



## 2014+ Road Glide Outer Fairing Removal (cont.)

5. Remove an additional inner fairing bolt with a T27 Torx or 5/32" hex driver, one behind each speaker grill. Remove the speaker grill by wedging a plastic/nylon pry tool between the inner fairing and grill edge, popping it outward. Once these bolts are removed, the outer fairing will be detached from the inner fairing. Store these screws in a safe place for installation later.



6. While straddling the front wheel fender, grasp the outer fairing. Gently pull the fairing apart from the bike. With the fairing slightly pulled away from the bike, disconnect wire harness for the headlamp or any other accessories. Lay the fairing on a protected flat surface to prevent damage.

## 1998-2013 Road Glide Outer Fairing Removal

1. Remove each turn indicator by removing 2 bolts for each between the forks/handlebar & inner fairing wall. Use a 1/2" open-end/box-end wrench, ratcheting wrench, or short 1/2" socket and ratchet. The bolt might not unthread from the turn signal housing, however the acorn nut might instead. It will be easier to reinstall the indicator later if the bolt remains on the indicator housing. Set the bolts &/or acorn nuts aside and tuck the indicators aside.



2. Remove six inner fairing bolts using a T25 Torx screw driver. Two screws are adjacent to the fuel & battery voltage gauges. Two more are located at the outside corner of each speaker grill. The last two screws are below each storage compartment hinge. Store these screws in the storage compartments for re-installation later.

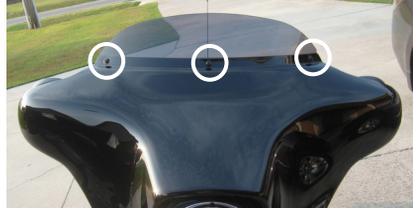
**Tip:** Note the length of each screw set for each section.

3. While straddling the front wheel fender, grasp the outer fairing & gently pull it away from the inner fairing. With the fairing slightly pulled away from the bike, disconnect wire harness for the headlamp(s) and any other accessories. Lay the fairing on a protected flat surface to prevent damage.



## 1998-2013 Street Glide Outer Fairing Removal

1. Remove three outer fairing bolts using a T27 Torx screw driver. The three outer fairing bolts are located below the windshield. Remove the windshield, store it and the screws removed in a safe place for re-installation later.



**TIP:** Reinstalling the center screw after removing the windshield will prevent the outer fairing from falling during the next step. A few turns by hand will be sufficient.



2. Remove four inner fairing bolts using a T27 Torx screw driver. Two inner fairing bolts are located adjacent to each mirror. Two additional screws are adjacent to the forks. Store these screws in a safe place for re-installation later.

**Tip:** Note the length of each screw set at the mirror and fork locations.

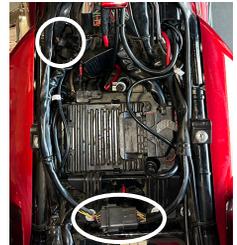
3. While straddling the front wheel fender, grasp the outer fairing, remove the center outer fairing bolt from the previous step, then gently pull the fairing apart from the bike. With the fairing slightly pulled away from the bike, disconnect wire harness for the headlamp and any other accessories. Lay the fairing on a protected flat surface to prevent damage.

## Fuel Tank & Seat Removal, All Models

2014+

1998-2013

1. Disconnect the wire harness(s) from the gas tank, & pull the vent tubes out from behind the tank. Fold them aside.



2. Disconnect the fuel line from the fuel tank by pressing up on the sleeve & gently pulling the line out.

3. Remove two tank mounting bolts near the forks using a 1/2" socket. One bolt is on each side of the tank under a rubber cover. Set the bolts & rubber cover aside for re-installation later.



## **Fuel Tank & Seat Removal, All Models (cont.)**

4. Remove two additional two tank mounting bolts at the back of the tank using a 1/2" socket. Set the bolts aside for re-installation later.



6. Remove the gas tank by lifting up. Set it aside in a safe place for re-installation later.

## **Wire Routing**

1. Remove the plastic cover over the wire chase by pressing in on the various holding tabs on either side using a flat head screw driver. Cut any wire/cable ties that may also be used. Set the wire chase cover aside for re-installation later.



2. Connect the threaded connector end of the backbone cable to the T-connector input. Route the backbone cable in the wire chase and speaker output connector end thru the fairing to the amplifier location. Use cable ties to loosely secure the backbone cable to adjacent cables in the fairing & wire chase.

3. Connect the speaker output harness of the backbone cable to the speaker output of MAA4.400. If an alternative amplifier is used, remove the connector by cutting each wire at the base of the connector. Then, connect the color coded wires to the appropriate output of the amplifier:

Green (rear left/ch3 +)

Green/black (rear left/ch3 -)

Purple (rear right/ch4 +)

Purple/black (rear right/ch4 -)

4. Re-install the wire chase cover removed in step 1. Snap it into the locking tabs on either side of the wire chase.

## **Final Assembly**

### **Fuel Tank & Seat Installation**

1. Re-install the gas tank removed in the fuel tank removal section. Secure it to the frame using the bolts removed in steps 3 & 4 with a 1/2" socket & ratchet.

## ***Fuel Tank & Seat Installation (cont.)***

2. Re-connect the gas line to the gas tank by pressing up on the sleeve, while gently inserting the line back into the sleeve. Release the sleeve to secure the fuel line. Check for any leaking of fuel. If the line is leaking, remove the fuel line as described in fuel tank removal section, step 2. Repeat this step until the fuel line is secure.
3. Chase the fuel tank vent tubes behind the fuel tank & reconnect the fuel tank wire harness(es) disconnected in step 1 of the fuel tank removal section.
4. Reinstall the seat to the fender & the seat strap to the fender brackets using the phillips screws removed in step 3 of the saddlebag prep section.

## ***2014+ Street Glide & Ultra Windshield & Outer Fairing Installation***

- Connect headlight wire harnesses & close the fairings together. Set the middle windshield screw to hold temporarily.
- Reattach outer fairing to inner fairing using the four T27 Torx inner fairing screws that were previously removed. Tuck any hanging cables inside fairing.
- Install the windshield to the inner fairing using the three T27 Torx screws that were previously removed.

## ***2014+ Road Glide Windshield & Outer Fairing Installation***

- Connect headlight wire harnesses & close the fairings together.
- Reattach the outer fairing to the inner fairing at each speaker using the T27 Torx screws that were previously removed.
- Reconnect the turn indicator wire harnesses at each side of the head unit.
- Install the vent and attach the windshield with the four 1/8" hex screws that were previously removed.
- Complete attaching the outer fairing to the inner fairing using the four T25 Torx inner fairing bolts below each glove box & adjacent to each wind deflector.
- Reattach each turn indicator with the 3/16" hex bolts that were previously removed.

## ***1998-2013 Road Glide Outer Fairing Installation***

- Connect headlight wire harnesses & close the fairings together.
- Attach the outer fairing to the inner fairing using the six T25 Torx inner fairing screws that were previously removed.
- Tuck the turn indicator cables inside fairing & reattach each turn indicator with the 1/2" acorn nuts/bolts that were previously removed.

## ***1998-2013 Street Glide Outer Fairing Installation***

- Connect headlight wire harnesses & close the fairings together. Set the middle windshield screw to hold temporarily.
- Reattach outer fairing to inner fairing using the four T27 Torx inner fairing screws that were previously removed. Tuck any hanging cables inside fairing.
- Install the windshield to the inner fairing using the three T27 Torx screws that were previously removed.