



HID Headlamp Kit for the Porsche 928





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928MS HID Headlamp Installation

FOLLOW THE INSTRUCTIONS THAT CAME WITH YOUR HID HEADLAMP KIT AS PRIMARY.

THESE INSTRUCTIONS ARE MEANT ONLY AS A SUPPLEMENT TO THE INSTRUCTIONS PROVIDED BY THE MANUFACTURER. REFER TO THOSE INSTRUCTIONS FIRST, THEN REFER TO THESE INSTRUCTIONS TO HELP YOU ADAPT TO YOUR PORSCHE 928.

NOTE: “LEFT” and “RIGHT” in this manual are always as seen from sitting in the DRIVERS SEAT.

NOTE: The photographs in this installation guide are taken from a supercharged 1991 928 GT. We used this car as our model because it has ABS brakes, supercharger pumps and coolers—a lot of items in a very busy engine bay and headlamp area. By fitting it to this car we knew it would fit on any 928 out there. Just keep in mind that your 928 may not have some of the items pictured.

We will be performing these tasks in this order.
This will allow for the smoothest possible installation with the least repetition.

PREPARATION FOR INSTALL

INSTALLING THE HID BULBS

MOUNTING RELAYS and BALLASTS, RIGHT SIDE

MOUNTING RELAYS and BALLASTS, LEFT SIDE



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Preparation for Install:

Put the 928 up on jack stands at the front, and remove both front tires.

Remove both front inner fender liners (if so equipped) and remove the forward fender separator so that you have access to the area behind the headlamp.

Turn the ignition key on and turn the headlamps on so that they rise up. Now turn the key off so they stay up, and turn the headlamp switch off so the parking lights shut off.

Remove the small Phillips screws around the headlamp cover and remove the headlamp cover. There should be three screws on each headlamp.

NOTE: We recommend that you lay all wiring in place loosely so you can test the installation before securing anything down. In particular, you will be testing that the new wiring allows the headlamps to rise up and down freely without binding or stretching any of the wires and connectors.

Then, when you have everything placed where you like it and the headlights are working correctly—THEN you can affix the ballasts and relays in place and tie the wire looms down.



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Installing the HID Bulbs: (H5 Shown, turn to page six for H4)

NOTE: Be careful never to touch the glass on the new light bulbs. If you do, clean the glass with brake cleaner or acetone.

Remove the old bulbs from the back of the headlamp.

Picture 1: Unplug the old wires to the bulb. Turn the lock ring counter-clockwise and remove it, then remove the bulb. At this time the old wires can just lay to the side.



Picture 2: The headlamp with the bulb removed.

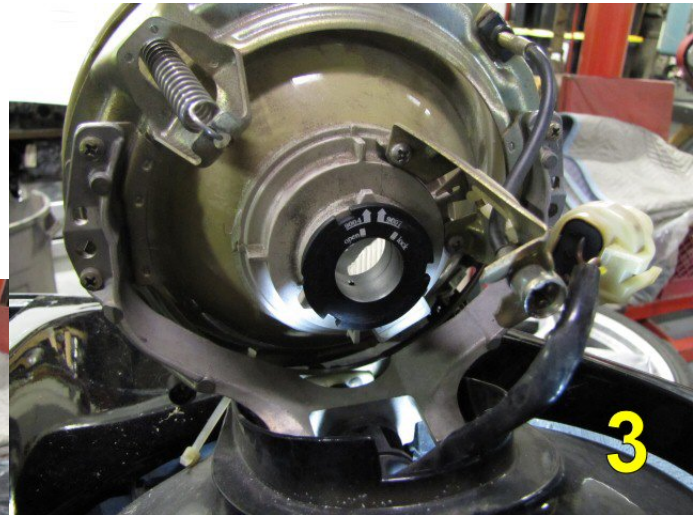




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Picture 3 and 4: Place the new bulb adapter in the bulb, and lock it in place with the lock ring as shown.



Picture 5: Then install the new HID bulb, as shown.

The wires for both the new bulb and the old bulb should be fed down through the hole in the bottom so they appear in the fender well below.





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Installing the HID Bulbs: (H4)

NOTE: Be careful never to touch the glass on the new light bulbs. If you do, clean the glass with brake cleaner or acetone.

Remove the old bulbs from the back of the headlamp.

Picture 1: Unplug the old wires to the bulb. Unlock the bulb carrier by moving the spring clips out of the way.



Picture 2: The headlamp with the outer carrier removed. Now unlock the bulb by removing the two inner spring clips out of the way and remove the bulb.



Picture 3: The headlamp bucket with the H4 bulb removed.



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Picture 4: Place the new bulb adapter in the bulb, and lock it in place with the spring clips as shown.



Picture 5: Then install the new HID bulb, as shown.

The wires for both the new bulb and the old bulb should be fed down through the hole in the bottom so they appear in the fender well below.



Picture 6: The finished install, with the wiring tucked down into the fender.



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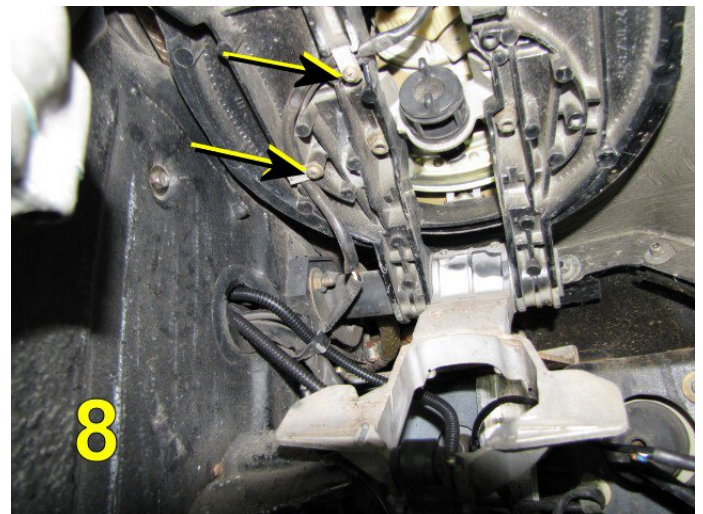
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MOUNTING RELAYS and BALLASTS, RIGHT SIDE:

Pictures 6 and 7: show the underside of the right head lamp. Pull down the aluminum lift arm as shown as picture 7 so that you can work more easily on the wiring. We used a block of wood to keep the headlamp up while we did this.



Picture 8: Loosen the two screws shown, and slide out the old wiring to the headlamp.



Picture 9 shows how the wiring from the new bulb drops down into the fender, and in **Picture 10** (next page) the new wiring to the headlamp is placed under those clamps, and the screws are tightened to secure it there. .



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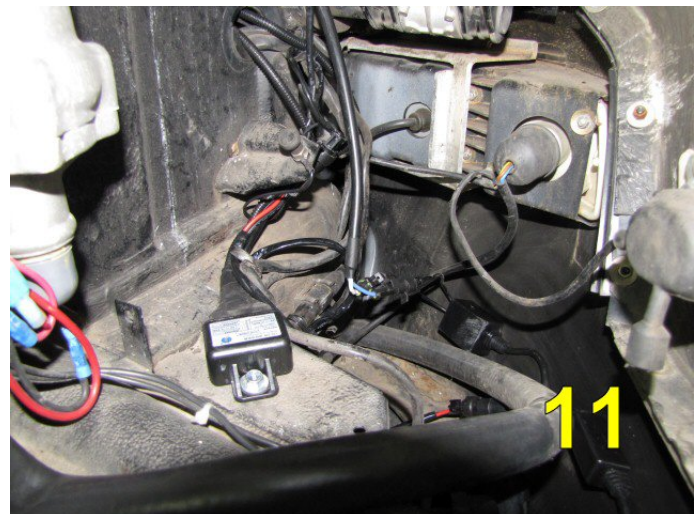
Picture 10 shows the new wiring to the headlamp is placed under those clamps, and the screws are tightened to secure it there.

Pictures 11 and 12 show the locations we selected for our AC Ballast (the aluminum box) and the relay.

IT IS IMPORTANT that you check that your headlamp can move freely up and down before you secure the ballast and the relays down.



Picture 11: The relay is secured to the brake duct support with a single screw. The hole for the screw is already there—just insert the matching screw from your kit through the relay and into the hole.



Picture 12:

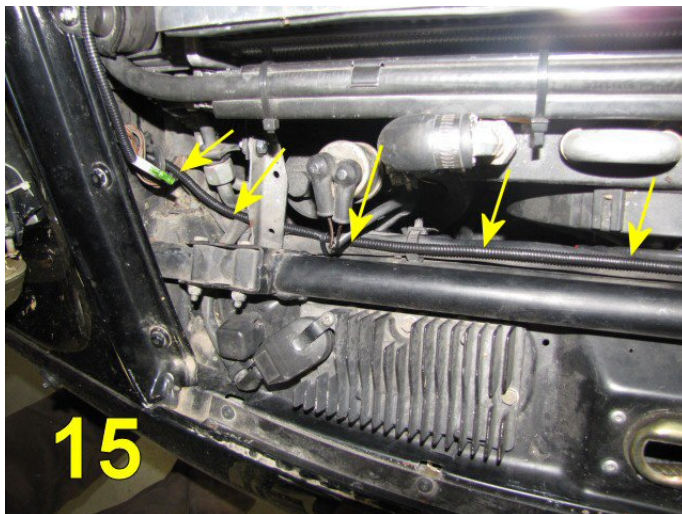
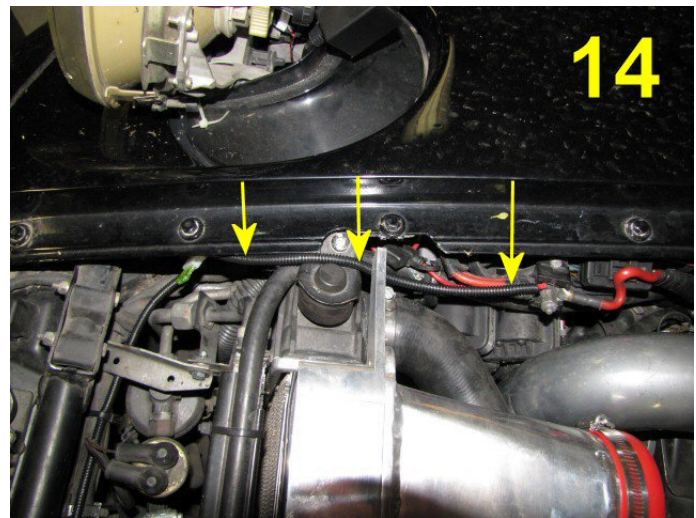
The ballast is secured with the double-sided tape provided. Follow the manufacturer's instructions on the box.



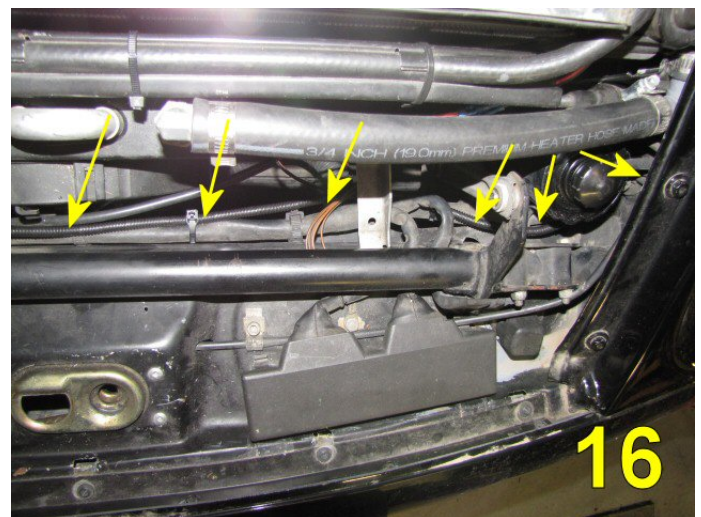
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Picture 14: the power lead from the relay runs through the hole provided for headlamp wiring and up to the forward positive post as shown.



There is also one long (nearly 5 foot long) lead. That provided the power for the Left headlamp. Route it through the hole provided for wiring as shown, **(Pictures 15, 16)** across the front of the radiator, and into the Left fender well through the hold provided for wiring as shown.



You may not want to secure the wiring down just yet until after the system is tested.



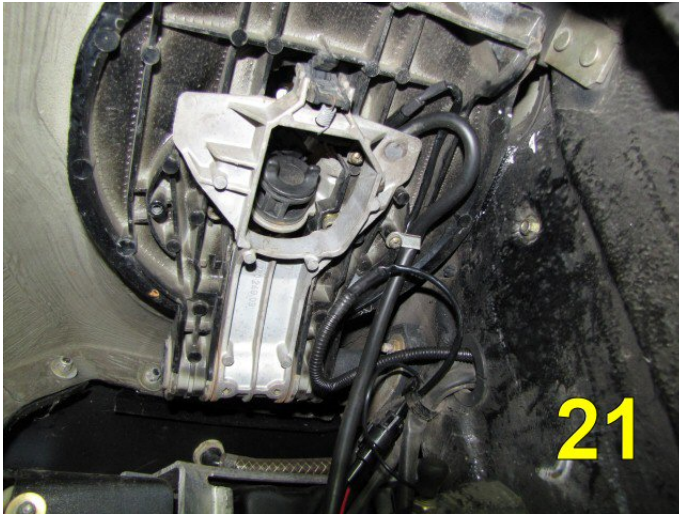
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MOUNTING RELAYS and BALLASTS, LEFT SIDE:

This side is largely similar to the Right Side you have already done.

Pictures 20 and 21: show the underside of the headlamp lift arm and how the new wiring is secured under the two clamps as before.



Picture 23 shows the back of the left headlight where you can see the wiring for the HID headlamp drops straight down into the fender.

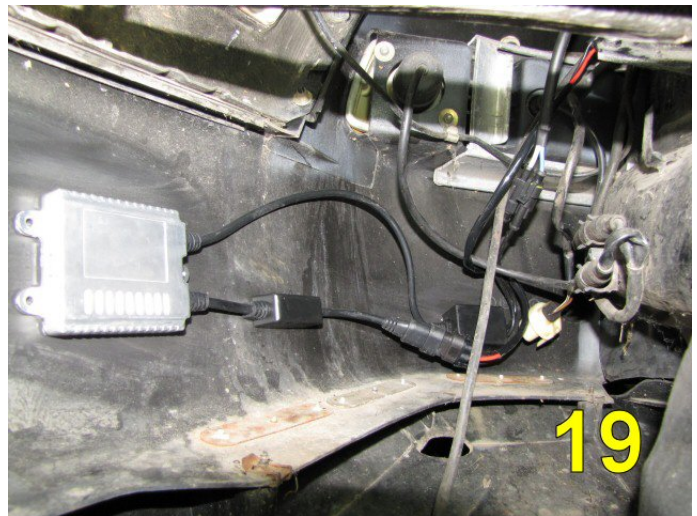




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Pictures 18 and 19 : show the location of the ballast and wiring on this side.



FINISHING THE INSTALLATION

Check the location of all the wires and the relays and ballasts and be certain that adequate clearance is given to the headlamp as it swings up and down. We recommend a nice loop of wire near the bulb so the wire is not stressed as the headlamp rotates.

Then you may mount the ballasts, relays, and attach the wiring across the front of the radiator with cable ties (provided). Remember to follow the instructions on the double-sided tape when mounting the ballasts. Clean the substrate with acetone or brake cleaner before affixing the adhesive tape.

Cable-tie the old headlamp socket and wire down so it doesn't rattle over bumps, but **DO NO CUT IT OFF**.

Install the headlamp covers on the headlamps and check that they clear everything in the fender wells one more time before re-installing the fender well liners.

Then install your inner fender wells, mount your tires, and enjoy!