

# JS2K.COM

## AP2 Clear Headlight Diffusers Installation

HUGE thanks to [nyczs2k](#) for doing this writeup

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### Introduction

Thank you for purchasing the JS2k.com Clear Diffusers! This product is a result of lots of interest among AP2 owners and over \$15,000 and two years of research, development, and production. It has been quite a long journey, but the end result is a set of OEM quality diffusers, with crystal clear clarity, perfect fitment, formed from four CNC cut chunks of pure solid steel.

### Parts Required

- JS2k.com Clear Headlight Diffusers
- Socket Wrench
- Socket Wrench Extension
- 10mm Socket Wrench
- Heat Gun (**Recommended**) or Oven
- Phillips Head Screwdriver
- Flathead Screwdriver
- Black Silicone
- Clamps or Vise grips

## Helpful Items

Wheel Ramps (For easy front bumper removal)  
Heavy Gloves (To protect hands from heat during lens removal)  
Compressed Air (Remove dust and debris)

## Recommended Parts

[JS2k.com Chrome Turn Signal Bulbs](#)

- or -

[JS2k.com LED Turn Signal Bulbs](#) (then painting the heatsink black)

One of these is recommended because the OEM turn signal bulb is white, meaning your blinkers may not be legal depending on the state. Plus the warm white color just doesn't look good as a turn signal. IF you were to buy an amber turn signal bulb, the bulb is orange and will show behind your brand new clear diffusers.

## Parts optional

[JS2k.com Low Beam 6000K HID Bulb Upgrade](#)

JS2k.com LED Parking Light Conversions ([white](#) or [amber](#))

These mods are not necessary, but a good idea if you're already removing your headlights.

## Difficulty of Installation

4.5 out of 10. The main reason for the 4.5/10 difficulty is the time and patience involved. Only basic mechanical skills are required. The most difficult part of the install is the resealing of headlight lens, which may take a little longer to get just right.

## Time for Install

2 - 4 hours

# Front Bumper Removal

1. Remove the six bolts and six bumper tabs located on the underside of the front bumper circled in red.



2. Open the hood. Using the Phillips head screwdriver remove the 5 upper stiffener screws circled in red.



- Using a 10mm socket, remove the bolt circled in red for the driver and passenger side (Note: Photo shows only driver side).



- Carefully pull bumper off starting from the ends.

# Headlight Assembly Removal

1. Using a 10mm socket, remove the bolts circled in red.



2. The next bolt is kind of hidden. The picture on the left shows the bolt zoomed out. The picture on the right shows the bolt zoomed in.



3. Carefully remove headlight housings (Note:Remove 4 connectors to each headlight).

# JS2k.com Diffuser Conversion

**Note: In order to access the OEM amber diffusers, the removal of the lens is required.**

1. **If using heat gun, proceed here. Otherwise skip to 1b.** Using the heat gun on the medium or high setting, heat up the adhesive sealant along the edges of the lens outlined in red. Continue to step 2. **(WARNING: DO NOT heat one position for too long as this may cause the plastic to warp).**



1b. If using an oven, proceed here. (WARNING: THE USE OF AN OVEN HAS A RISK OF WARPING THE HEADLIGHTS IF DONE INCORRECTLY. I DO NOT RECOMMEND USING AN OVEN FOR THIS REASON. USE AT YOUR OWN RISK). Remove the HID ballasts, all bulbs, connectors, and high beam gaskets. The actual oven temperature to be used is subjective. 225 degrees seems to be the margin to start at. Depending on your oven, you may need adjust the temperature higher or lower so be very observant of any signs of potential overheating/warping. 8-12 minutes in the oven should be enough for the sealant to heat up. Continue to step 2.

2. After heating all the edges of the lens or baking the headlights, using the flathead screw driver, in sections, carefully begin prying just the edges of the lens from the headlight housing, applying additional heat from the heat gun or re-baking if necessary.



3. Once the edges have been lifted along the entire lens, reheat the entire edge of lens or re-bake the headlights one more time.
4. Starting from the corners, pull the lens apart (this requires a little elbow grease but don't over do it!).



**WARNING:** From this point on, make sure dust and debris **DOES NOT** get into the headlight housing.



- Using a Phillips head screwdriver remove the two screws circled in red securing the inner housing to the lens.



- With a flathead screwdriver remove the OEM diffusers. Take note of the position of the diffusers. (Note: You will likely break at least one tab when removing the OEM amber square reflector piece from the housing. If you wish to go back to stock, just use a dab of clear silicone to hold the OEM amber reflector in the headlight)
- Install the JS2k.com Diffusers in the same position as the OEM diffusers.
- Carefully reassemble the inner housing.
- When reassembling the lens, apply black silicone along the entire edge of the housing.
- Fully heat the edges and reinstall the lens to the housing. Use clamps or Vise grips to ensure proper sealing (Note: Remember to remove all dust and debris that may have got into the housings! If you have dust spray now is a good time to use it).



Reassemble Headlight Assembly and Front Bumper in the reverse order of taking them off (Note: Before bolting the headlight housings back on, check to see if all lights are functioning correctly. If you purchased JS2k.com HID or LED conversions, now is the time to swap).

**Finished! Enjoy the new look of your S2000!  
Thank you for purchasing from JS2k.com!**

