

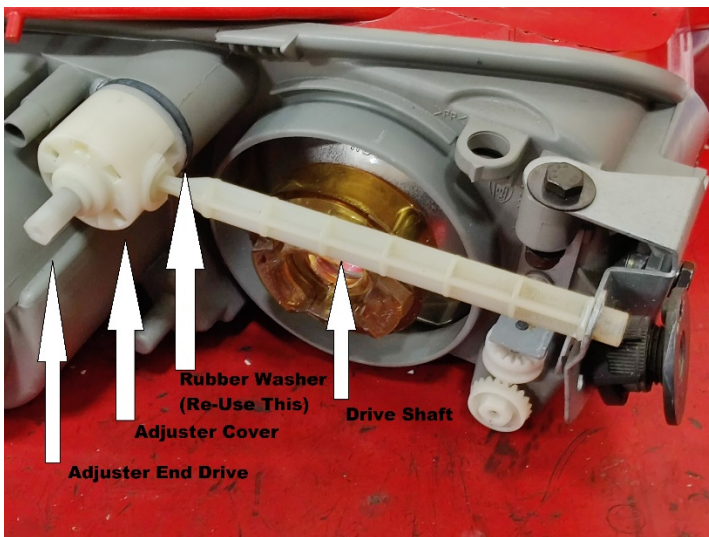
Exotic Specialty Parts
133 974-01 Ferrari 360 Headlight Adjuster Repair Kit

Thanks for purchasing our Ferrari Headlight Adjuster Repair kit. This kit will replace the broken "Knob" in the back side of your headlight to allow stable adjustment of your lamps up and down once again.

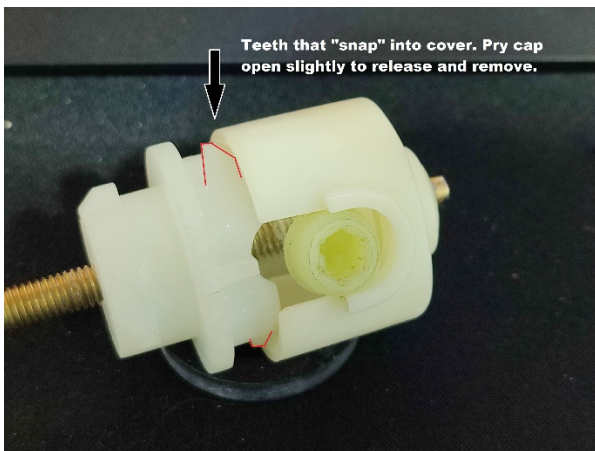
This guide is a basic walk-through and is only to guide you to the proper installation of these new components.

Step 1: This repair kit can be installed with or without headlights installed. If installing with headlights still mounted, you will need to lift the car and remove the front wheels and fender liners to gain access to the lamps.

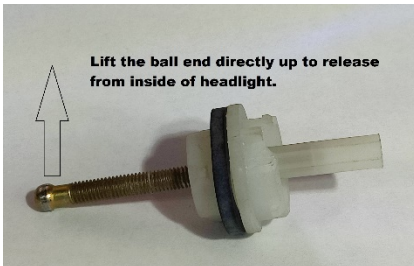
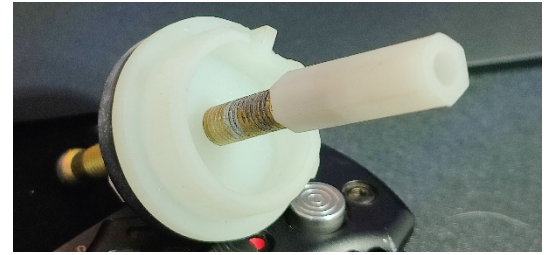
Step 2: The back of your lamp should look like this: (It may appear different if the knob has fully broken off on the left side.)



Use a small pick to remove the Adjuster Cover by gently prying the sides up to unlatch from the old Adjuster Knob. (See below)



Step 3: With the cover removed you can now access the gear on the end of the drive shaft and remove both. You should have something like the image to the right. Turn the extruded shaft clockwise until snug to move the rod into the headlight as far as it will go. (This will likely not be needed as the knob itself is likely in pieces already and the rod is loose. If this is the case, you don't need to worry about the adjustment.



Step 4: Remove the old Knob (if its still somewhat solid) by turning counterclockwise. This will only turn around 45*. Then pull back to remove from housing. The Adjustment rod will now need to be disengaged. Do this by lifting the "ball" end of the rod up.

Step 5: The assembly should now be free from the headlight. There will be a rubber washer that must be re-used, set this aside. Next you will need to remove the OLD adjuster End Drive from the rod. This may already be broken or cracked. You can remove it with Pliers as it is pressed on. If it is stuck, you can also split the plastic on the sides. This will not be reused.

Step 6: Time to assemble the new unit. Clean the rubber washer and the adjustment rod of any corrosion or debris. I have included dielectric grease to aid with the assembly and function. Lubricate the rubber washer on all sides and then install onto the new Knob. Also lubricate the threaded rod on the splines and threads.

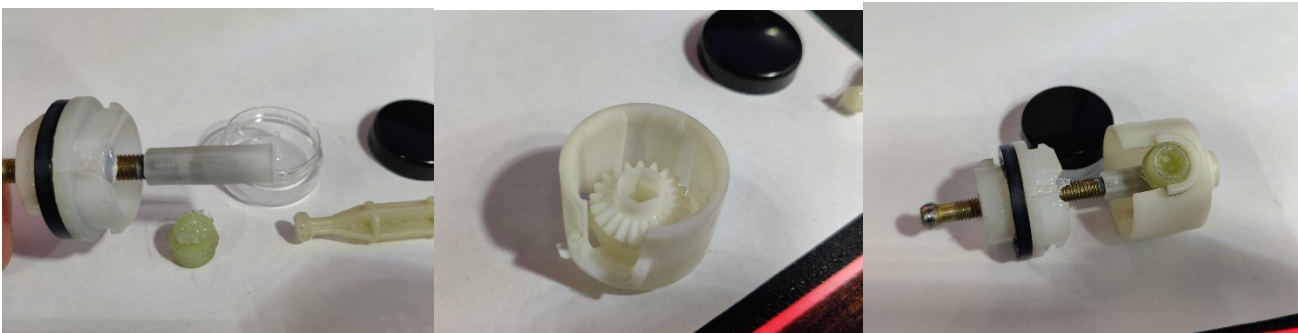


Step 7: Now it is time to install the rod into the new knob. I have produced these with tight clearances so this will take a little work. Slide the splined end of the rod into the back of the knob. You may need to tap this down until the threads reach the knob. Now use pliers or a Phillips screwdriver to turn the rod as if screwing it in. The first turn will be tough as the splines are working their way through the brand-new knob. After the first turn the threads should catch and start turning though the knob. Turn the knob down until almost all the way down.

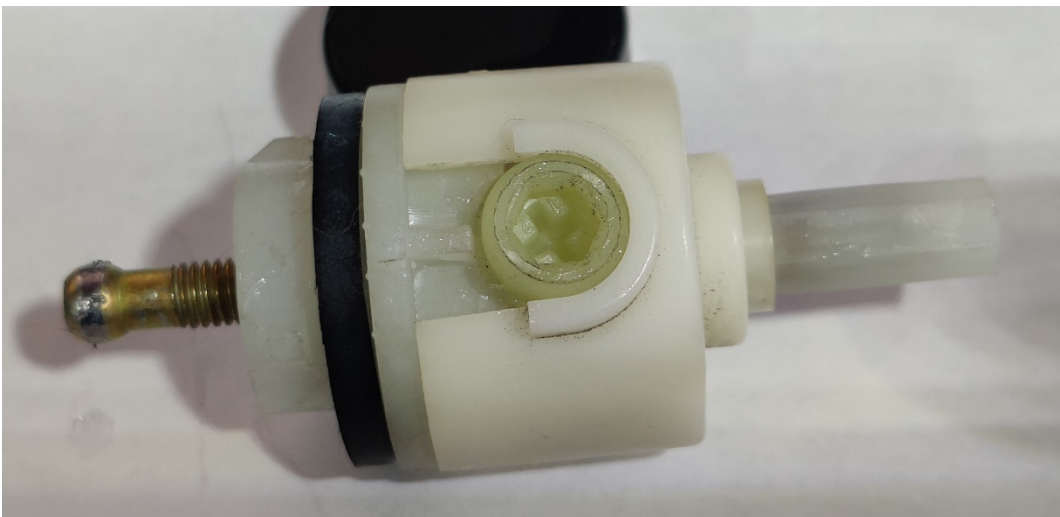
Step 8: Now re-lubricate the splines on the end of the threaded rod. Now install the NEW Adjuster End Drive. The larger opening slides onto the rod first. You will now need to gently drive the rod into the Adjuster end by tapping with a small hammer. The rod will NOT pass all the way through the end. It should stop approx. 6mm from the end.



Step 9: Almost done. Now coat the original drive gear and the drive shaft end with grease. Also coat the internal gear on both sides. You can then use grease to hold the Cover, Internal Gear, and drive gear together for assembly.



Step 10: Now simply slide the “Stack” of parts together with the drive gear aligned to the curved slot in the knob. Everything should “snap” together easily. Turn You can insert the driveshaft into the drive gear and turn by hand to verify function.



Step 11: First loosely fit the Drive-shaft into the headlight bracket. To re-install, Extend the rod fully, then insert the unit into the headlight. The drive gear should turn into place so that it is aligned with the driveshaft when locked into place. Lubricate the rubber washer well, then turn the knob by hand by aligning the pins, then pressing and turning the knob into place. This will fit TIGHT to prevent vibration, only install by hand, tools such as pliers may damage the unit.

That's it! Adjust your headlights to factory specs and enjoy!

