

Concept Z Performance 370Z, G35 & G37 Power Steering Cooler Upgrade Installation Guide

Thank you for your purchase of the CZP power steering cooler upgrade kit! Please make sure your kit came with all of the necessary components listed below:



- 1x Setrab Oil Cooler Core (10 or 13 row core)
- 2x Setrab 22mm Port to -6AN adapter fittings (for cooler core to AN fittings)
- 2x Setrab 90 degree -6 AN Push-on Fitting (for the power steering line to AN fitting)
- 1x CZP Universal Oil Cooler Lower Mount
- 1x CZP 3/8" Power Steering Oil Line
- 1x CZP -10 AN SS Oil Cooler Line Short
- 1x CZP 350Z/G35 Power Steering Cooler Upgrade Install Hardware Kit

1. Remove the front bumper cover mounting bolts (yellow circle). There is a mounting bolt under each of the corners of the bumper cover where it meets with the fender.



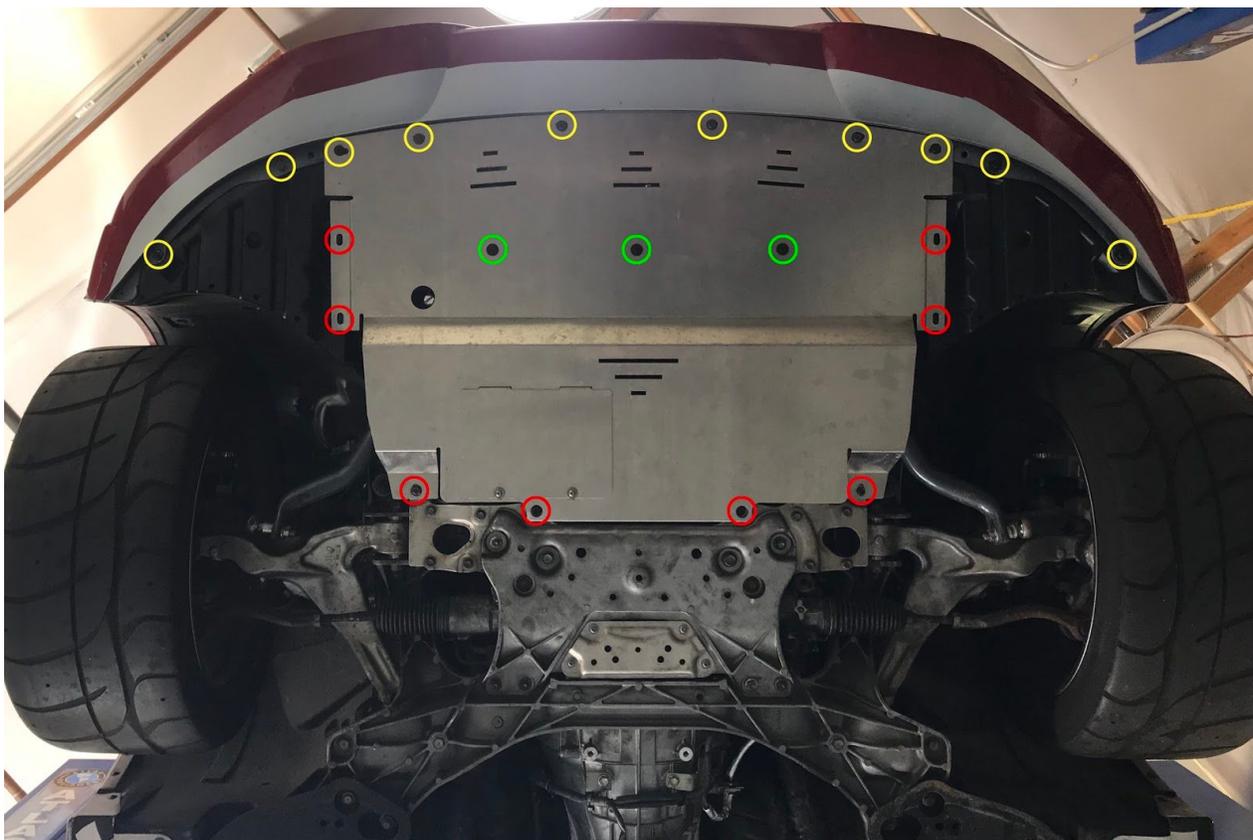
With the wheel turned in, you can push the fender liner out of the way slightly and gain access to the 10mm bolt.



2. Open the hood and remove the 7 plastic pop clips (green circles) holding the bumper cover to the front core support with a prying tool.



3. Lift the car and remove the ten 10mm bolts along the bottom of the bumper cover (yellow circles)



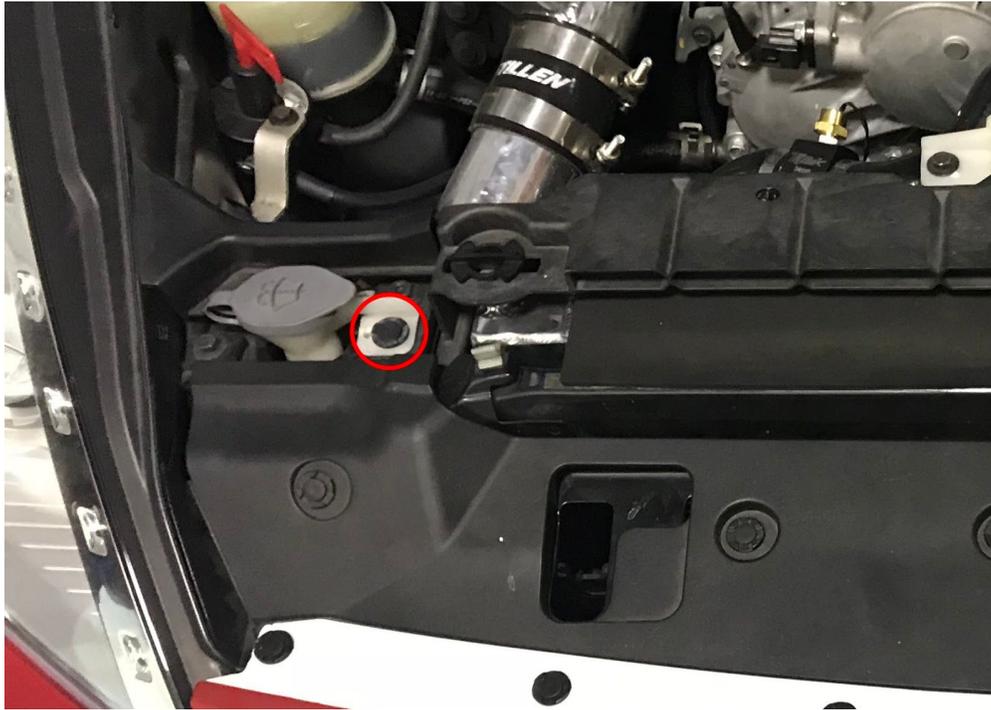
- Carefully remove the bumper cover. There are clips located next to the where the mounting bolt was as well as below the headlight (yellow circles). A small tug on each side should pop the bumper loose. Removing the aluminum crash bar is not necessary but does free up space and makes the install a bit easier.



- Remove the two 10mm bolts securing the stock cooler. Disconnect the stock power steering cooler lines and drain the old power steering fluid.



6. Remove the single 10mm bolt holding the power steering lines in place. Remove the clamps holding the short rubber line from the cooler and hardline on the car.
7. Remove the plastic pop clip (red circle) holding the windshield washer fluid reservoir fill neck in place. Gently pull up on the filler neck and remove it from the engine bay.



8. Remove the three 10mm bolts holding on the windshield washer fluid reservoir and pull it aside while leaving the wiring and hoses connected. You can either disconnect the harness connectors, or leave it hanging in the engine bay.
9. Now you have access to the inside end of the second longer rubber power steering hose. Remove the spring clamp and disconnect the line. Bend the small tab (red circle) down to split the two halves of the mounting bracket and remove the flexible upper line from the rubber grommet.



10. Attach one end of the included 3/8" power steering hose to the hardline you just removed the longer hose from in the previous step and reinstall the OEM spring clamp. Run the new line through the open upper section of the grommet. Reassemble the two halves of the mounting bracket and rebend the tab we unbent earlier and remount the one 10mm bolt holding the bracket in place.



11. Attach the lower mounting bracket to the cooler core with the four of the supplied 10mm bolts, rubber washers and lock nuts. Use the 4 rubber washers in between the bracket and the cooler core to insulate the assembly.



12. Fill up the cooler core all the way with fresh Nissan power steering fluid to avoid a dry start situation and to help purge all of the the air in the lines and cooler faster. Do not use store-brand power steering fluid; you can use Dexron ATF III or higher, if Nissan fluid is not available to you.



13. Apply a dab of fresh oil to the o-ring seal and thread the -6 AN to 22mm adapter fittings to the top of the cooler core and tighten them down. Take the 90 degree 3/8" push lock to -6AN fittings and thread them onto the top of the cooler loosely so they can be rotated later.



14. Stretch the new 3/8" oil line up and over to the far side of the cooler and mark how much hose you need to reach the 90 degree 3/8" push lock to -6AN fitting on the cooler. Cut the line at your mark and fully install the push lock fitting, make sure to reuse the OEM clamp as well. Now take the remaining section of oil line and run it from the hardline in front of the core support to the other push lock fitting on the cooler core. Marking the length and cut the line accordingly, then finish installing the second line reusing the OEM clamps on each side. Orient the 90 degree fittings to avoid having the lines cross in front of the face of the cooler and tighten them down fully.



15. Refill the reservoir with fresh Nissan power steering fluid or a compatible replacement. Do not use store-brand power steering fluid; you can use Dexron ATF III or higher, if Nissan fluid is not available to you.
16. Start the car and check for oil leaks from the lines or cooler. If any leaks are found, shut the car off immediately and tighten the loose fitting. Repeat step #16 until no oil leaks are present.
17. Slowly turn the steering wheel from side to side multiple times (5-10 at least) making sure to reach full lock in each direction to bleed out air caught in the system.
18. Top off the power steering reservoir one last time.

19. Remount the windshield washer reservoir using the three 10mm bolts that were removed earlier.



20. Slide the windshield washer reservoir neck back into place and apply a bit of pressure for it to “pop” back into the reservoir. Secure with the original pop clip.

21. Reinstall the front bumper cover and splash shield with the 10mm bolts and plastic pop clips from earlier.

Now you're ready to push your car to its limits without fear of overheating your power steering system!