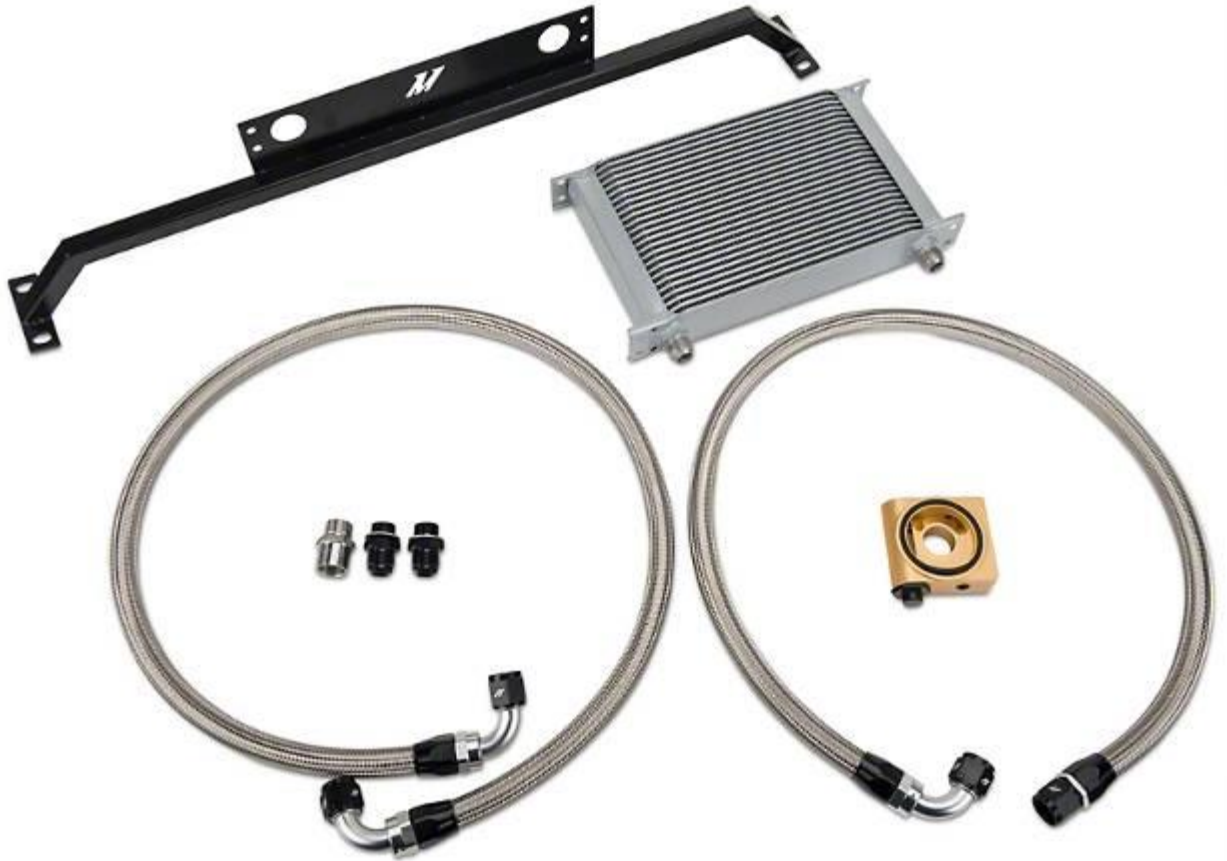


## How to Install Mishimoto Direct Fit Oil Cooler (MMOC-MUS-11T) for 2011-2014 Mustang GT

### Parts Needed

- Mishimoto Direct Fit Oil Cooler part number MMOC-MUS-11T



### Tools Required

- 7mm wrench, socket or nut driver
- 8mm wrench, socket or nut driver
- 11mm wrench, socket or nut driver x 2
- -10AN hose end wrench (or 1" open end wrench)

### Installation Instructions

1. Jack the front of the car up (be sure to engage parking brake or block the rear wheels so the car will not roll backwards)



2. Support the front of the car with jack stands and remove the floor jack

- Using a 7mm wrench, remove the front undertray



4. Using an 8mm wrench remove the rear engine undertray



5. Remove the upper grill by gently pulling toward the front of the car



6. Install the mounting bracket as shown on to the existing bumper support bolts and tighten the nuts



7. Attach the oil cooler to the bracket (11mm wrench) and then attach the braided stainless steel oil lines to the inlet and outlet fittings on the oil cooler. The longer oil line goes to the passenger side connection and the shorter line to the driver's side. Tighten -10AN fittings 15-25 ft/lbs, do not exceed 35 ft/lbs





8. Route oil lines over the driver's side bumper support and secure to mounting bracket with cable tie



9. Prepare thermostatic sandwich plate by wrapping NPT threads with yellow Teflon tape for gas and installing into sandwich plate as shown







10. Remove oil filter, install sandwich plate with O-ring toward oil filter housing (-10AN wrench or 1" socket), install sandwich plate fitting and torque to 15-25 ft/lbs, do not exceed 35 ft/lbs.



11. Route braided stainless lines to thermostatic sandwich plate



12. Route lines under lower radiator hose and above front swaybar. Use cable ties to secure braided hoses to lower radiator bracket – this will keep the lines from rubbing lower radiator hose



13. Connect braided oil line hose to fittings at sandwich plate, torque to 15-25 ft/lbs (do not exceed 35 ft/lbs) with -10AN wrench or 1" open end wrench





14. Install oil filter



15. Add .75 quarts of motor oil to account for extra capacity of oil cooler
16. Reattach engine under tray
17. Before reattaching front under tray and upper grill start car and let idle while checking all fittings for leaks
18. Road test car, check for leaks
19. Return to shop and shut off engine, check oil level and adjust oil level as needed
20. Reattach front under tray and upper grill



## Completion



Congratulations, you have successfully installed the Mishimoto Direct Fit Oil Cooler! This oil cooler will reduce oil temperature up to 35°F, which is very important when running the car at high loads in hot temperatures such as High Performance Driver's Education track days during the summer.

Be sure to check for leaks periodically and enjoy your new oil cooler! See you at the track!

Installation instructions provided by American Muscle customer Dave Flaherty, August 20, 2016