

# NISSAN 350Z & INFINITI G35 COUPE DIRECT FIT DUAL OIL COOLER KIT

## PARTS LIST AND INSTALLATION GUIDE

### PARTS LIST

**1PC** | APPLICATION-SPECIFIC MOUNTING BRACKETS

**1PC** | 19-ROW OIL COOLER

**2PC** | STAINLESS STEEL BRAIDED HOSE WITH  
-10 AN FITTINGS

**1PC** | OIL FILTER SANDWICH PLATE

**1PC** | STAINLESS STEEL SANDWICH PLATE ADAPTER

**2PC** | BANJO FITTING W/BOLT -10AN, BLACK

**1PC** | MOUNTING HARDWARE SET

### TOOLS NEEDED

JACK + JACK STANDS	OIL
SOCKET WRENCH	PHILLIPS SCREWDRIVER
SOCKET EXTENSIONS	ADJUSTABLE WRENCH
10MM SOCKET AND/OR WRENCH	PLIERS
PANEL TOOL	27MM SOCKET

### DISCLAIMER

- Please dispose of any liquids properly.
- Allow vehicle to cool completely prior to attempting installation.
- Mishimoto Performance (MP) is not responsible for any vehicle damage or personal injury due to installation errors, misuse, or removal of MP products.
- MP always suggests that a trained professional install all MP products.
- Do not run the engine or drive the vehicle while overheating. Serious damage may occur.
- Raise vehicle only on jack stands or on a vehicle lift.
- See specific instructions regarding sandwich plate installation on last page.

## INSTALLATION INSTRUCTIONS

### 01 | PREPARE VEHICLE FOR INSTALLATION

1. Raise front of vehicle and place on jack stands.
2. Remove the engine undertray, which is secured by a combination of 10mm bolts and pop clips.

3. Remove the pop clips that secure the top of the bumper to the radiator support.



4. Remove the pop clips from the fender liner so you can access the remaining 10mm bolts that hold the bumper in place.
5. Now you can remove the front bumper completely by pulling it away from the radiator support.

### 02 | INSTALLING THE MISHIMOTO OIL COOLER

1. Locate the unused holes on the bottom of the radiator support on the driver's side. This will be the mounting location for the oil cooler bracket.
2. Mount the oil cooler bracket to the radiator support, using the supplied hardware.
3. Place the oil cooler into the bracket. The fittings on the cooler should slide through the holes in the bracket. Next, secure the cooler to the bracket with the included hardware.
4. Next, we will run the oil lines for the cooler. There are two lines in the kit, one of which will be one foot longer than the other. The longer line is used for the fitting on the driver's side, while the shorter line will attach to the passenger side of the cooler. The 90-degree fittings attach to the oil cooler. Just snug these fittings for now, as they will be tightened later.



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### 02 | INSTALLING THE OIL COOLER CONTINUED

5. The lines are then routed towards the passenger side and around the radiator shroud as shown below. This will place them near the oil filter.

### 03 | INSTALLING THE OIL SANDWICH PLATE

1. First remove the engine oil filter. Have a drain pan nearby to catch any spilled oil.

2. Next, we are going to prepare the sandwich plate. If you are not using any of the sending unit ports, cap them off with the supplied plugs. Use some Teflon tape to ensure a leak-free seal.

3. Install the banjo bolts into the sandwich plate. One seal is necessary on each side of the banjo bolt. Hand-tighten these but do not fully torque them yet.



4. Place the sandwich plate onto the oil filter housing and secure it using the supplied M20 stainless steel adapter. Tighten this adapter using a 27mm socket.

5. Now thread the lines into the banjo bolt fittings, making sure that the lines are routed in a safe and clean manner. Tighten the lines to the banjo bolts and the lines to the cooler using an adjustable wrench.



6. Once all the lines are tight you can reinstall the oil filter.



7. See last page of this document for specific instructions regarding installation.

### 04 | FINALIZING INSTALL

1. Reinstall the front bumper in the reverse order of removal. Do not forget the upper pop clips, bolts underneath the vehicle, and bolts



behind the fender liners.

2. Reinstall the engine undertray using the bolts and pop clips removed earlier.

3. This kit adds .65 quarts of fluid capacity to the oil system. Add .5 quarts at this time and start the vehicle. Check the installed parts for any leaks. Let the vehicle run for a minute if the sandwich plate is nonthermostatic, or until the vehicle is at operating temperature if using the thermostatic kit.

4. Check your oil level and add more if necessary.

You have officially completed the install for the Mishimoto 350Z/Infiniti G35 Direct Fit Oil Cooler Kit.

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### SANDWICH PLATE

#### 01 | ASSEMBLING 1/8" NPT PLUGS

1. Inspect components to ensure that male and female port threads and sealing surfaces are clean and dry and free of burrs, nicks, and scratches, and/or foreign material.

2. Apply Teflon® tape (or sealant) 1.5-2 full turns in clockwise direction when viewed from the pipe-thread end. Leave the first two threads without any Teflon® to avoid contamination.



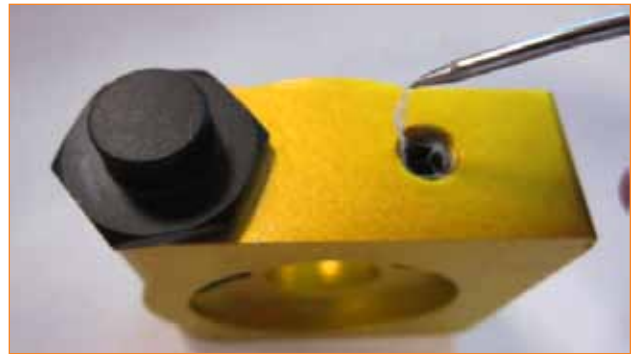
3. Screw plug into port until it is "finger tight."



4. Wrench tighten the plug 2-3 full turns. (1/8" npt only)



5. Remove any excess Teflon® after tightening.



Cleaning



6. Notice that no Teflon® tape is inside the npt port area.