



Ryan Rotary Performance

Rx8 Series 2 (R3) Oil Lines Fitting Guide.

Important Notice: This is a guide only and we cannot be held responsible for damage to your vehicle while fitting this item. RRP always recommend items are fitted by a registered professional.

Tools Required:

- Torque wrench (20NM – 54NM)
- Sump - Hex (8mm)
- Filter removal tool (Optional)
- Oil Collection bucket
- 12mm, 23mm & 24mm Sockets

Consumables:

- 4L Engine Oil¹ (Optional)
- Replacement Oil Filter² (Optional)
- Sump plug & Washer. (Optional)
- Tie Wraps



Oil Line Contents:

Before you start, please ensure you have the following.

- 2 X Front Engine Cover Fittings
- 3 X Braided Oil Lines
- 4 X M18 Banjo Bolts
- 8 X M18 Copper Washers



Procedure:

Removal:

1. Warm up the engine by starting the car and driving for 10 minutes.
2. Park up on flat ground apply the handbrake and leave the engine to cool for at least 10 minutes.
3. Jack up the car³ or use car lift to gain access to the sump.
4. Use the Hex tool to undo the OEM sump plug and drain oil into the collection bucket.
5. Use filter removal tool to remove the oil filter and replace making sure you lubricate the seal with oil prior to fitment. Oil filter should only be hand tight or nicked up with the oil filter tool
6. Remove the passenger and drivers side wheel arches to gain access to the back of the oil coolers. (Removing the wheels will make access easier).

¹ RRP Recommends 5W-30 Semi Synthetic Oil

² RRP Recommends OEM or Genuine K&N filters

³ Refer to user manual for procedure and safety precautions.



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7. Remove the 2 X M18 banjo bolts on both sides draining the oil into a container.
8. Disconnect and remove the battery.
9. Remove the air filter Housing.
10. You will now have access to the two front engine cover fittings, remove the two M8 nuts on each fitting and carefully remove ensuring that a container and rags are handy to mop up any spillage.
11. Remove the retaining clamps from the engine to the oil coolers on both sides which will allow the lines to be completely removed from the car. (Removing the undertray completely will make this easier).

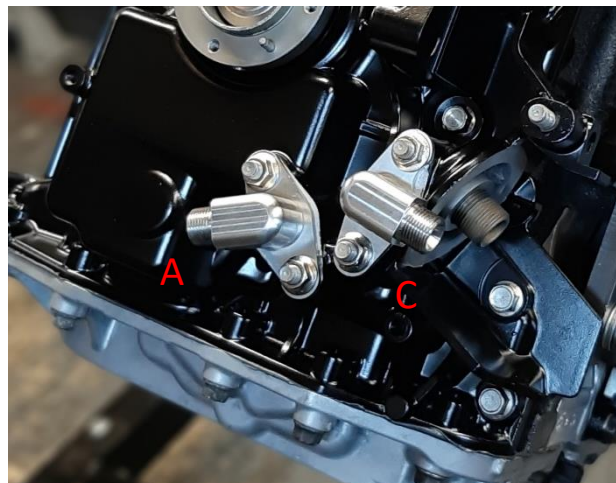


Installation:

1. Identify the oil lines and know their location, A – Goes to the LH side of the vehicle, B – is the oil cooler to cooler line, C – Goes to the RH of the vehicle.



2. Important: Remove the front cover coupling from the lines, these are to be fitting to the front cover first.
3. Ensure the coupling mounting bracket moves freely, if not apply pressure to ensure they move.
4. Fit the two couplers to the Front cover as shown below torquing the M8 nuts to no more than 18-20NM





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5. Connect the A, B and C Oil Lines as shown above ensuring a good fit.
6. Route the oil Lines from the engine to the Oil Coolers.
7. Attach each line to the to Oil Coolers using the supplied M18 Banjo bolts and washers (one each side of the banjo) and torque to 50-54NM.



8. Re-install the battery and air filter housings and fill the sump with oil.
9. Turn the engine over but do not start and re-check the oil level, do this twice to allow the oil to move back into the lines and coolers.
10. Start the engine and check for leaks.
11. Install the wheel arch liners and wheels if necessary.
12. Lower the vehicle and you are good to go!