

PLAZMAMAN

VDJ200 INTERCOOLER INSTALLATION GUIDE

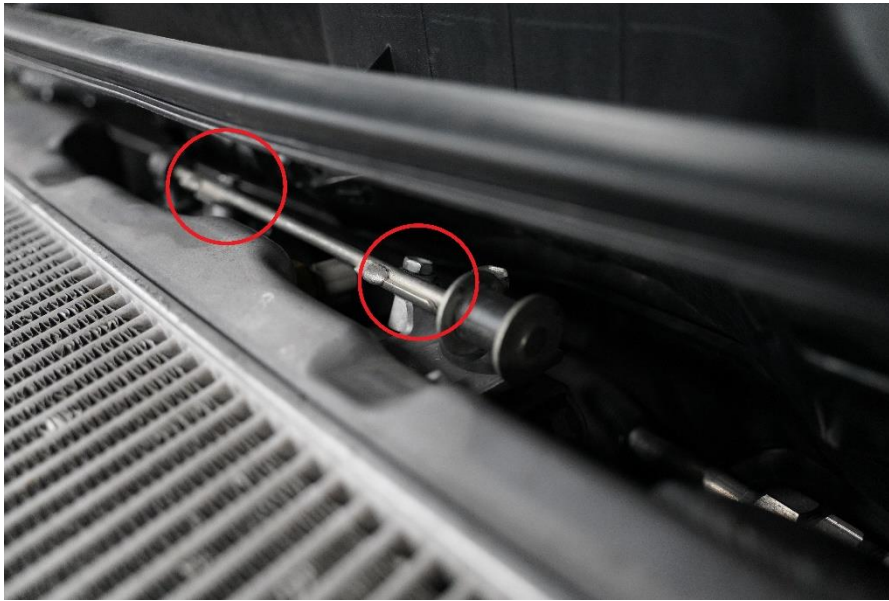


OEM INTERCOOLER REMOVAL STEPS

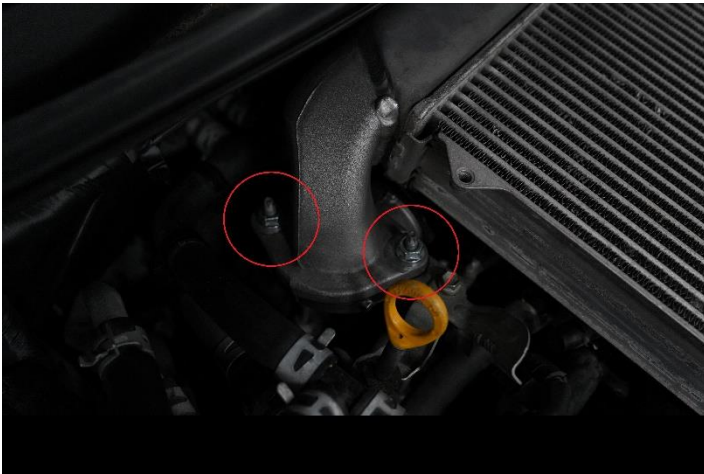
1. Start by removing the engine cover, remove both nuts from the front and you will be able to slide the engine cover off pulling towards yourself and upwards.
2. Remove the hose clamps off the silicon hoses on to the front of the cooler and 2 nuts circled below.



3. Remove the 2x 10mm bolts holding the engine cover retainer, you will need to reuse this retainer if you want to retain the engine cover.



4. You will find 2 nuts on each side of the intercooler flanges you will need to remove.



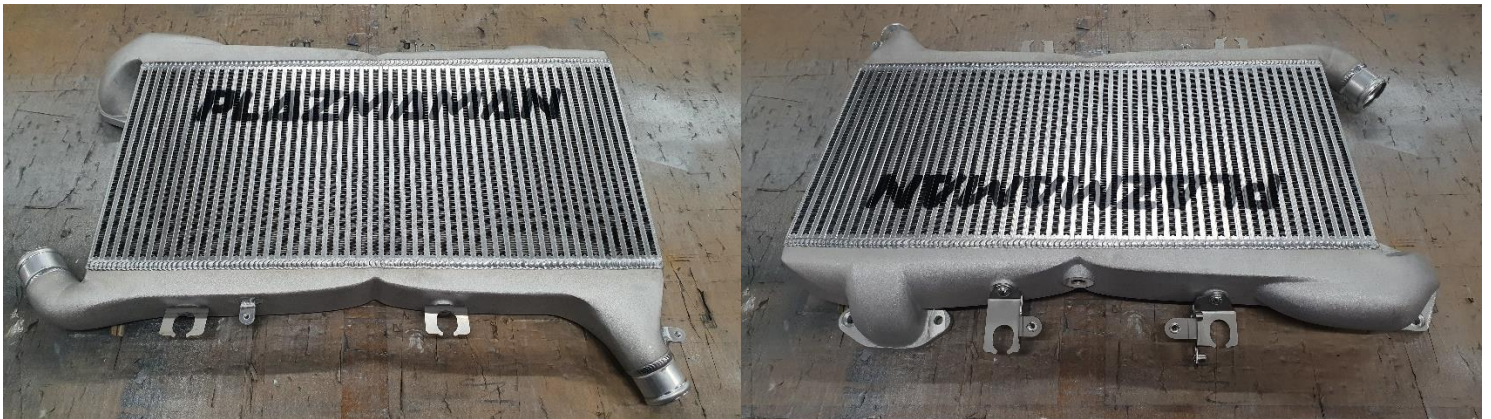
5. Remove 2 more bolts fixing the cooler down up between the top intercooler tank and firewall.



6. Unclip the electrical connector to the IAT sensor and boost reference sensor, you will find a vacuum line connected to the boost reference sensor as well. This can be removed before or whilst you are lifting the cooler out of the vehicle. These sensors are all found on top tank of the intercooler closest to the firewall.
7. You may require some assistance now for the actual removal of the OEM cooler, slowly lift out the OEM cooler being careful not to damage anything on the way out, if you have not yet removed the vacuum line to the boost reference sensor, do so now from underneath the cooler.

PLAZMAMAN UPGRADED INTERCOOLER INSTALLATION STEPS

1. It is time to prepare your new Plazmaman intercooler ready for installation, start by installing the 4 brackets in the orientation shown below. Utilize the 4 supplied dome head bolts with matching washers. Dummy fit the engine cover retainer to the top brackets before tightening, aim to have the brackets in the centre of the slotted holes so that if adjustment is needed later you can loosen them and retighten them accordingly.



2. Fit the OEM rubber bushing and sensors onto the new Plazmaman intercooler.



3. Remove the 2 m6 studs for the engine cover and reinstall them into the new unit.
4. **OPTIONAL** - One small tip we recommend is to extend the vacuum line for the boost reference sensor to make installation easier.
5. Follow the steps of the OEM cooler removal in reverse for installation of your new intercooler. New M8 nuts and washers are provided for the top 2 intercooler flanges, we also recommend putting a small amount of high temp sealant to each side of the gasket.



6. The engine cover will need slight modification to fit back on, test fit it first and take note of the strip of plastic reinforcement on the underside of the cover on each side, you will need to take a razor blade and slice these away.
7. After the installation is complete, check for any rubbing or leaks. After you have completed a few heat cycles i.e., 1-2weeks of driving double check all hose clamps, nuts and bolts are tight.