



Billet Oil Sump for RWD SR20 Engines Part #100047-BLK & 100047-SIL

WARNING! Please read the whole guide before installing this part.

Legals:

TAARKS billet SR20 sump has been designed and is intended for off-road use only. The installation of this part on a vehicle intended for use on public roads may violate laws and regulations in your country/state. Additionally, this part is sold with a LIMITED warranty that only covers defects in manufacturing. This warranty does not cover any damage incurred by using this part. The installation of this part may also void any vehicle warranties. Refer to a performance specialist for proper installation.

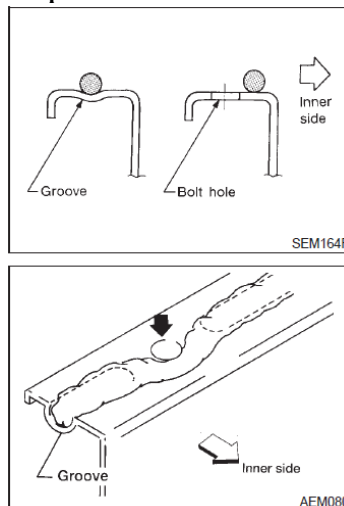
After opening the packaging please check to see if any parts are missing or damaged. If something is missing or damaged please contact us immediately. Do not install the product.

Do not modify this part in any way. Modifying the part may result in failure of the part and voids all possible warranties.

Installation Guide

Remove the old sump from your engine. Ensure the aluminium mating surface of the upper sump pan has been cleaned and is free from any deep scratches and dents etc.

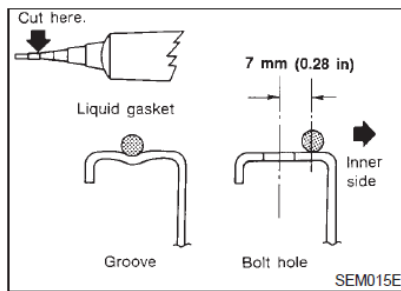
Apply the appropriate liquid gasket sealant to the sump as per the factory Nissan specifications outlined below.



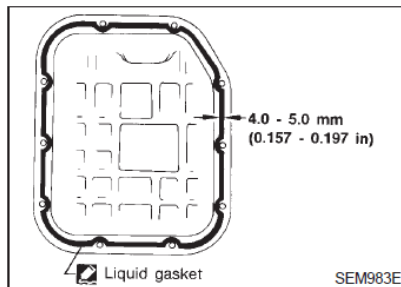
Precautions

LIQUID GASKET APPLICATION PROCEDURE

1. Use a scraper to remove all traces of old liquid gasket from mating surfaces and grooves. Also, completely clean any oil from these areas.
2. Apply a continuous bead of liquid gasket to mating surfaces. **(Use Genuine Liquid Gasket or equivalent.)**
 - For oil pan, be sure liquid gasket diameter is 4.0 to 5.0 mm (0.157 to 0.197 in).
 - For areas except oil pan, be sure liquid gasket diameter is 2.0 to 3.0 mm (0.079 to 0.118 in).
3. Apply liquid gasket around the inner side of bolt holes (unless otherwise specified).
4. Assembly should be done within 5 minutes after coating.
5. Wait at least 30 minutes before refilling engine oil and engine coolant.

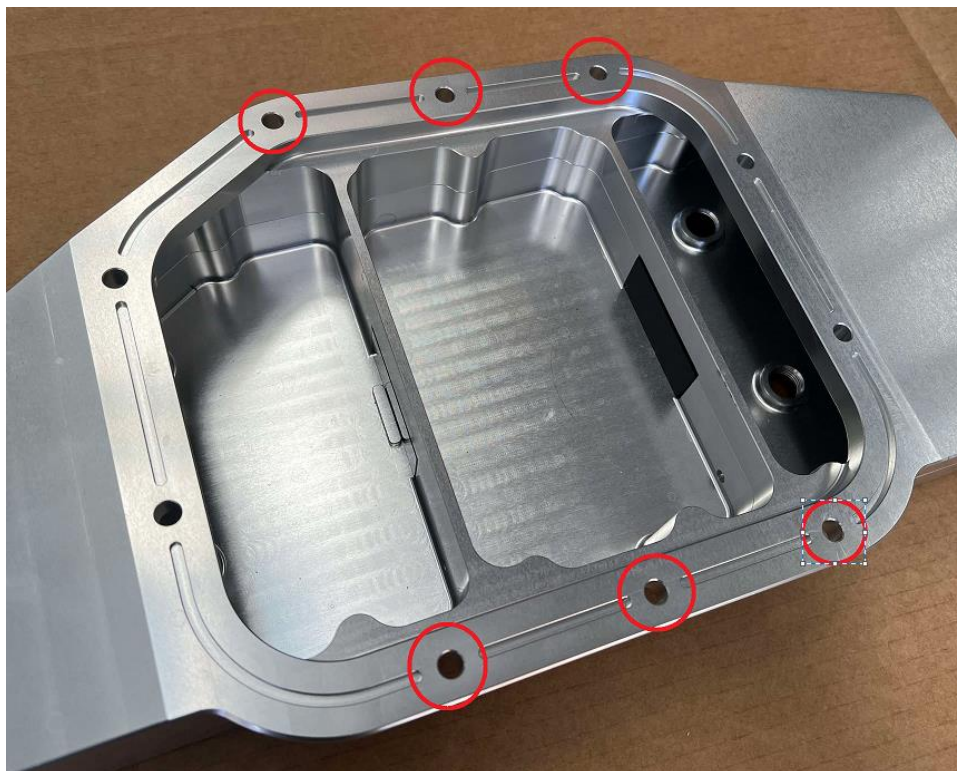


- b. Apply a continuous bead of liquid gasket to mating surface of steel oil pan.
- Use **Genuine Liquid Gasket** or equivalent.
 - Apply to groove on mating surface.
 - Allow 7 mm (0.28 in) clearance around bolt hole.



- Be sure liquid gasket diameter is 4.0 to 5.0 mm (0.157 to 0.197 in).
- Attaching should be done within 5 minutes after coating.

Using the supplied M6 bolts and spring washers mount the sump by installing the bolts into the 6 outer bolt holes hand tight.



Using an 8mm allen key remove the 4 ORB port plugs from the bottom of the sump and set them aside.



Using the supplied plastic guides insert the long guide into the thicker side of the sump lining the guides up as shown below.

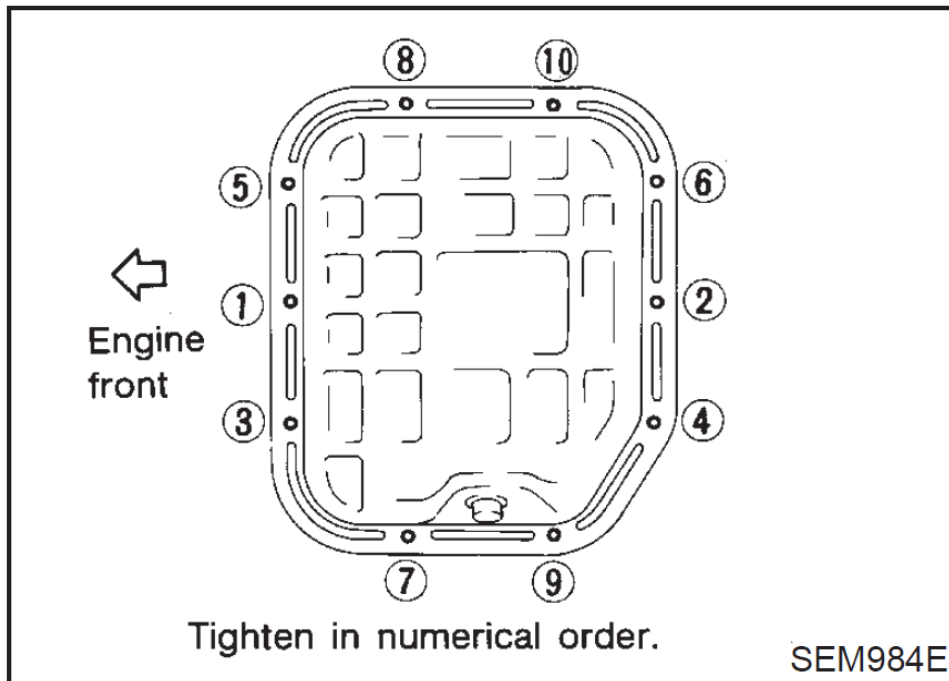


The guides will help align the internal bolts and prevent them from falling into the sump during installation.



Repeat the processes to install all 4 internal bolts using the long plastic guides on the thick side of the sump and the shorter plastic guides on the thinner side of the sump. Remove the plastic guides once bolts have been hand tightened.

All the bolts can now be torqued to spec (6.4 - 7.4 Nm / 57 – 65 in-lb) in the correct order as shown below. **Wait at least 30 minutes before refilling engine oil.**



Re-install the 4 ORB plugs into the bottom of the sump, apply a small amount of engine oil to the o-rings before installing.



The sump has a 1/8" NPT port on the side that can be used for sensors etc. If the port is not being used apply thread tape to the supplied plug and install. Torque the sump plug to spec (29 -39 Nm / 22 - 29 ft-lb).



Fill the engine with oil and check for leaks. Start the engine and warm it up to operating temperature, shut the engine down and check for leaks again.

And that's it... You're all done. Enjoy & and thank you for supporting TAARKS.