

OIL PAN for BOLT-ON TURBO KIT INSTALLATION MANUAL



Installation must be done by a professional.

Read this manual prior to the installation.

Always have access to this manual as well as a factory service manual.

※ Make sure the vehicle is applicable to this kit.

NAME OF PRODUCT	OIL PAN for BOLT-ON TURBO KIT
PART NUMBER	11999-AT001
APPLICATION	• TOYOTA 86 (DBA-ZN6) 2012/4~ (4BA-ZN6) 2019/4~ • SUBARU BRZ (DBA-ZC6) 2012/3~ (4BA-ZN6) 2019/4~ • TOYOTA GR86 (3BA-ZN8) 2021/10~ • SUBARU BRZ (3BA-ZD8) 2021/8~
ENGINE	FA20,FA24
REMARKS	○ This product is designed to use with HKS BOLT-ON TURBO KIT. 86/BRZ(ZN6/ZC6) GR86/BRZ(ZN8/ZD8) ○ HKS will not be responsible for any damage to the engine and/or any other parts of the vehicle after installing this product to the vehicle.

REVISION OF MANUAL

Rev. Number	Date	Manual Number	Details
3-3.01	2018/10	E12110-T59010-00	1 st Edition
3-3.02	2024/11	E12110-T59011-00	2 nd Edition

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NOTICE

This manual assumes that you have and know how to use the tools and equipment necessary to safely perform service operations on your vehicle. This manual assumes that you are familiar with typical automotive systems and basic service and repair procedures. Do not attempt to carry out the operations shown in this manual unless these assumptions are correct. Always have access to a factory service manual. To avoid injury, follow the safety precautions contained in the factory service manual.

ATTENTION

- This manual indicates items you need to pay attention to in order to install this product safely and lists precautions to avoid any possible damage and/or accidents.
- This product is an automobile part. Do not use for any other purposes.
- HKS will not be responsible for any damage caused by incorrect installation and/or use, or use after modification and/or dismantling of this product.
- This product was designed for installation on a specific factory vehicle.
- The specifications of this product are subject to change without notice.
- The instructions are subject to change without notice. Make sure to refer to the most recent instructions.

SAFETY PRECAUTIONS

The following precautions for use of this product are to prevent possible accidents and/or injuries and for proper use.



WARNING

Indicates risk of serious injury and/or possible death.



CAUTION

Indicates risk of damage to people or large-scale damage to property.
(Large-scale damage is the damage caused by a product defect.
Ex. Damage to a vehicle, burnout, etc.)

PARTS LIST

NO.	DESCRIPTION	QT	REMARKS
1	Oil Pan Assembly	1	
2	Seal Ring	2	
3	Operation Manual	1	
4	Installation Manual	1	

1. REMOVAL OF OIL PAN

Before beginning removal of the oil pan, drain the engine. Use this instruction manual and the manufacturer's service manual as a reference.
Make sure to remove the seal ring.

2. INSTALLATION OF OIL PAN

※Clean and air-blow the oil pan before installation to prevent entrance of foreign objects.

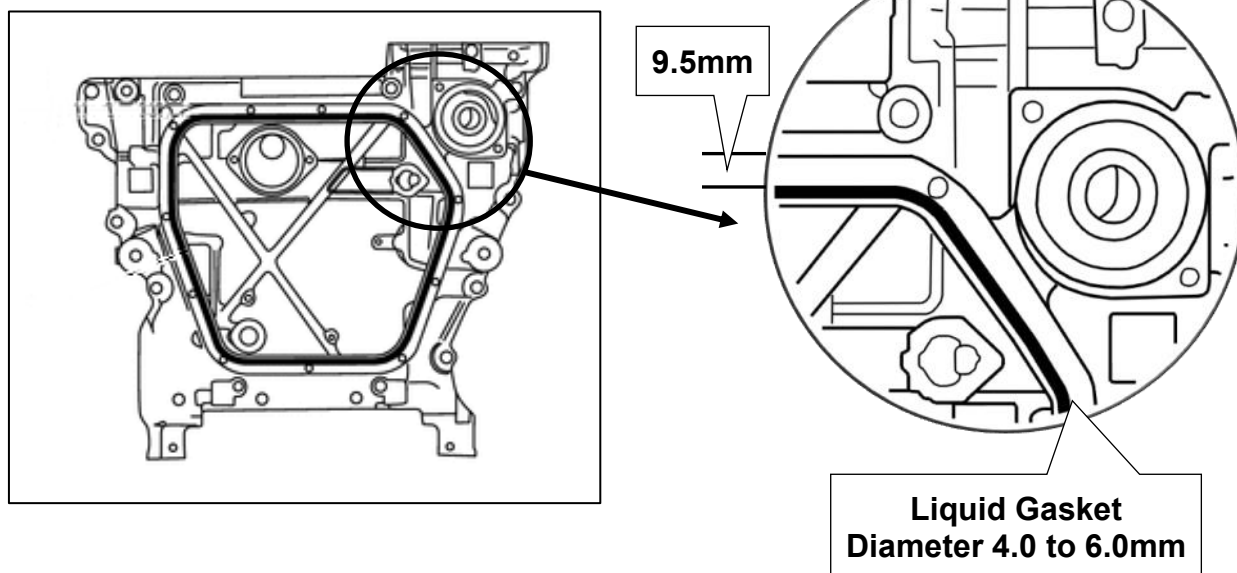
(1) Clean the installation surface of the oil pan of the engine side.
Remove the liquid gasket remained in the surface by a scraper or a similar tool. Degrease the installation surface.

(2) Apply the liquid gasket as shown in the diagram shown in the right.

※Use ThreeBond 1217G liquid gasket.

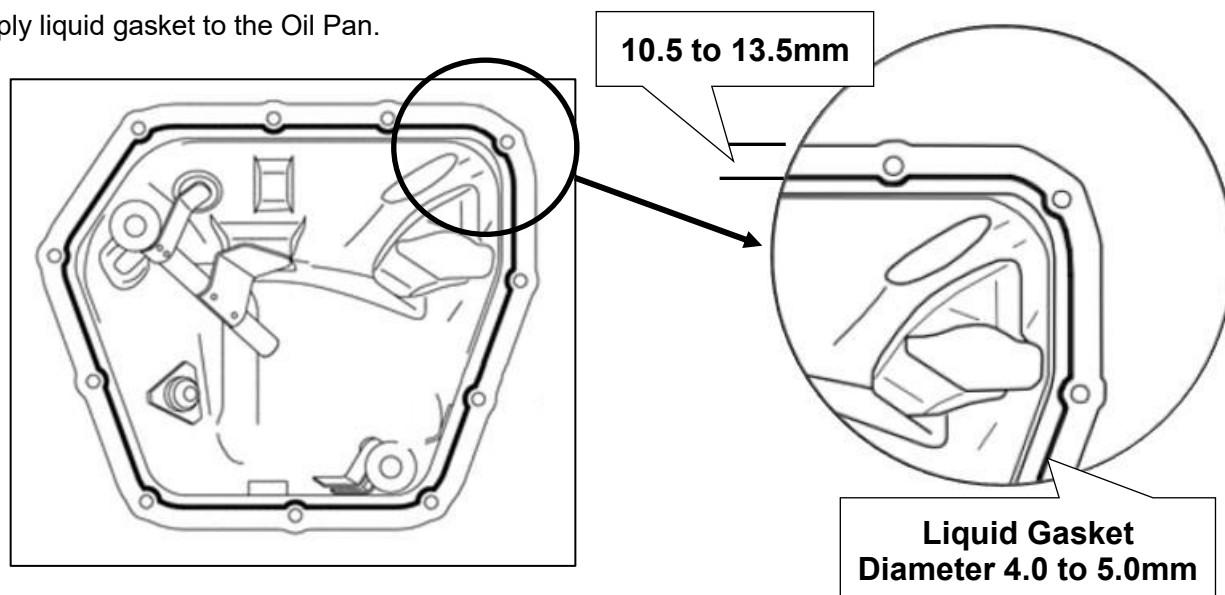
• FA20(ZN6 • ZC6)

Apply liquid gasket to the Oil Pan Sub-Assembly.



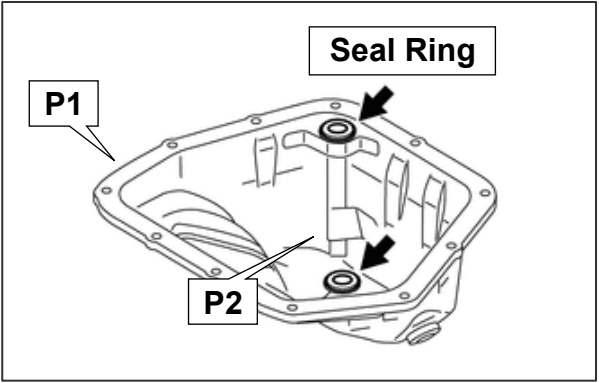
• FA24(ZN8 • ZD8)

Apply liquid gasket to the Oil Pan.



(3) Degrease the installation surface of the Oil Pan. Install the provided Seal Ring.

- P1: Oil Pan x 1
- P2: Seal Ring x 2

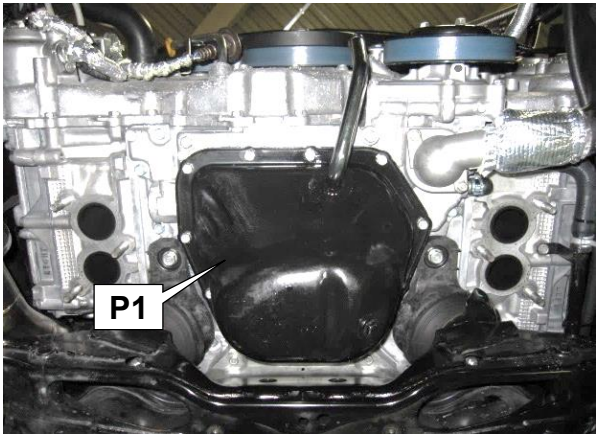


(4) Install the Oil Pan, and tighten 11 stock bolts referring to the factory service manual.

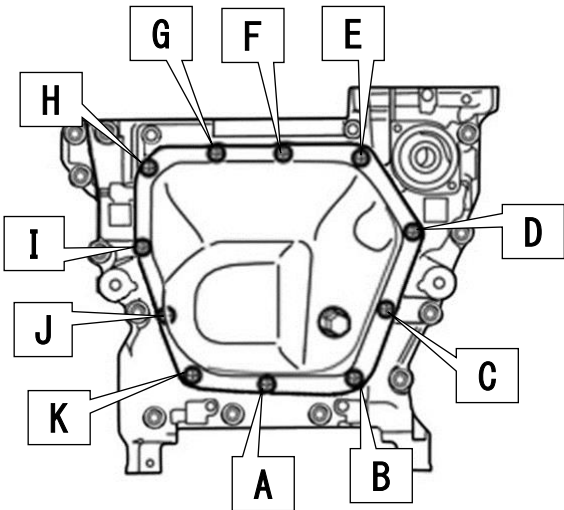
●Tightening Torque: 6.4N · m(0.65kgf·m)

NOTE

Refill the engine oil after the liquid gasket hardens.



* Tightening procedure (in the order listed in the maintenance manual).



Tightening sequence	1	2	3	4	5	6	7	8	9	10	11
FA20 (ZN6/ZC6)	A	H	D	J	E	K	G	B	F	C	I
FA24 (ZN8/ZD8)	A	E	I	C	H	B	F	K	G	J	D



CAUTION

- After installation of this Oil Pan is finished, install the Bolt-on Turbo Kit according to the installation manual of the kit.

After installation of the Bolt-on Turbo Kit is finished, carefully check that there is no oil leaking from the oil pan's installation surface.

Also, carefully check that there is no oil leaking from the joint of the oil return hose. If oil is leaking, it may cause a vehicle fire in the worst case.



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