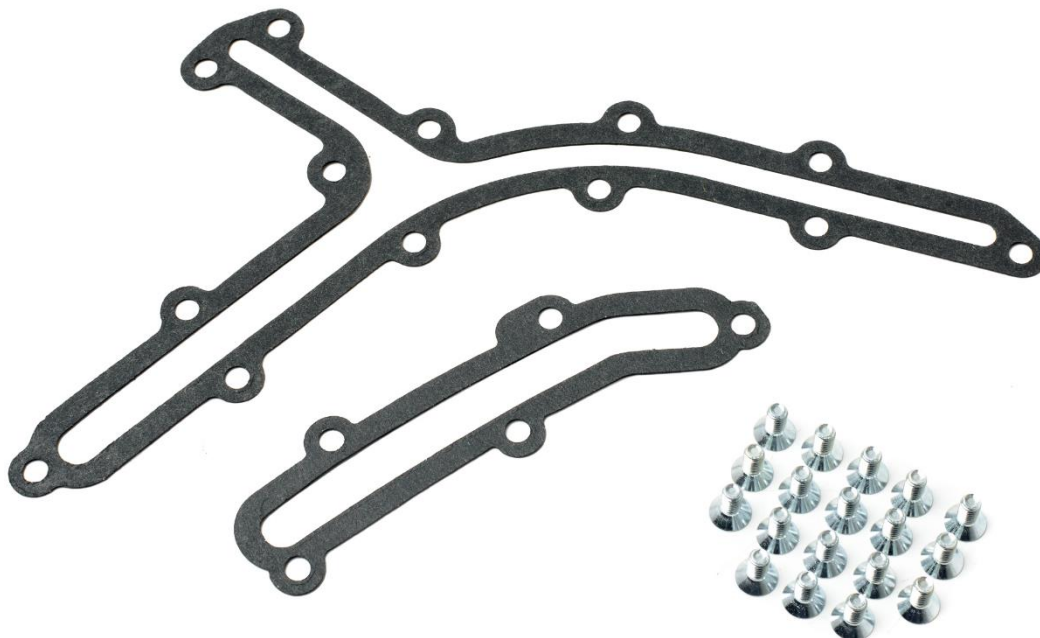


VQ40 REAR TIMING COVER OIL GALLERY GASKET KIT INSTALLATION MANUAL



This Installation Manual is intended for the following models:	
2005-2012	Nissan Pathfinder
2005-2015	Nissan Xterra
2005-2020	Nissan Frontier

PROLOGUE:

Study these instructions completely before proceeding to assembly. The installer must have a thorough knowledge of automotive systems operation. If unfamiliar with any of the concepts outlined in this instruction, we recommend the installation be completed by a qualified professional.

WARNING!

Extreme caution should be taken when performing maintenance or performance upgrades to your vehicle. Please observe and abide by any Warning or Caution labels placed on the various components and tools used when servicing your vehicle. If you have any questions regarding installation or the various components included with the Z1 Off-Road VQ40 Rear Timing Cover Oil Gallery Gasket Kit, consult with a Professional Mechanic or contact Z1 Off-Road for more information.

PARTS INCLUDED:

Item	Quantity	Description
1	1	Upper Oil Gallery Gasket
2	1	Lower Oil Gallery Gasket
3	20	Allen Head Gallery Cover Bolts
4	1	Loctite

TOOLS REQUIRED:

- Hammer
- Handheld impact driver with #2 Phillips
- 4mm Allen Wrench/Socket
- Torque Wrench

SAFETY REQUIREMENTS:

- Always wear safety glasses and any necessary protective garments. If using any fluids, chemicals, or solvents, a respirator is recommended.
- Always use properly rated jack stands when working under your Vehicle.

BEFORE YOU BEGIN:

Remove contents from the Z1 Off-Road VQ40 Rear Timing Cover Oil Gallery Gasket Kit and verify that ALL necessary hardware is present.

PROCEDURE:

1. Refer to the Factory Service Manual to remove the rear timing cover.
2. Remove the (18) bolts securing the oil gallery covers to the rear timing cover (as shown).

Tip: A handheld impact driver is recommended for removal. Stuck bolts may need to be heated to loosen any locking compound.

3. Remove the oil gallery covers and old gaskets.

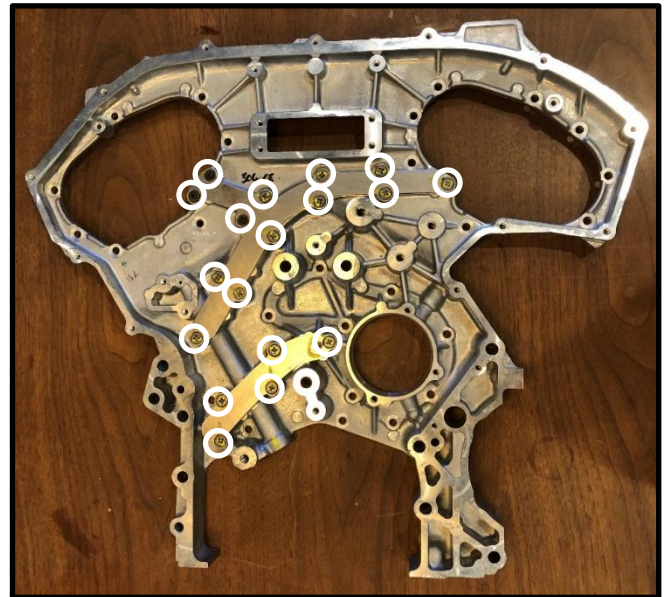
Note: Assure all mating surfaces are clean and free of debris.

4. Locate the new oil gallery gaskets and position them on the rear timing chain cover.

Note: Assure all surfaces and gaskets are clean and dry. Do Not use RTV with these gaskets.

5. Using the supplied (18) Allen bolts, reattach the oil gallery covers and torque to 10ft-lbs, as shown below.

Note: Apply a few drops of Loctite on the first few threads of each bolt.





Note: The kit comes with 20 Allen Bolts, only 18 will be used.

6. Inspect the Oil Gallery Covers for loose components or issues.

END

Additional Technical Support:
Contact Z1 Off-Road at info@z1offroad.com
Or call 678-839-8019 between 9am and 6pm ET