



Billet Oil Pan Spacer

Installation Instructions

Version 1 10/15/05

Required Tools

Metric:

- 10MM Deep Socket
- 12MM Deep Socket
- 3/8" Ratchet
- 3/8" Socket Extensions

Parts List:

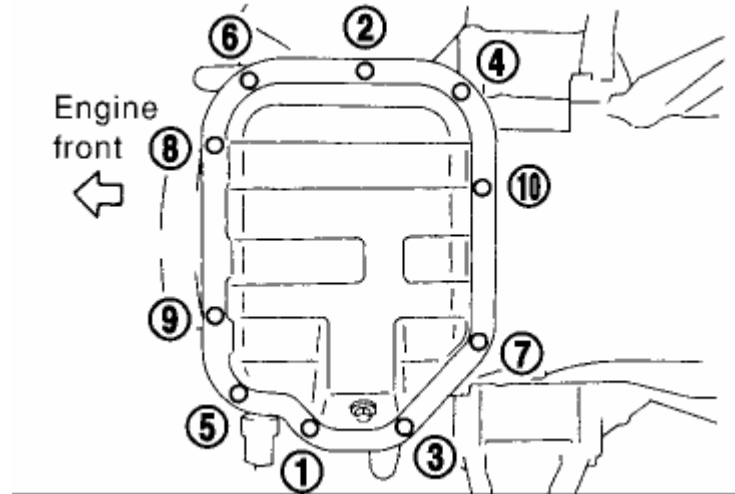
- AAM Spec Billet Oil Pan Spacer (x1)
- AAM Spec Billet Oil Pick-up Spacer (x1)
- M6X1X35MM Bolts(x10)
- M8X1.5MMX45MM Bolts (x 2)
- M6 Lock Washers (x 10)
- M8 Lock Washers (x2)
- -08AN Caps (x 2)
- 1/8NPT Cap (x1)
- -08AN Aluminum Washers (x4)
- Instructions (x1)

Parts Not Included

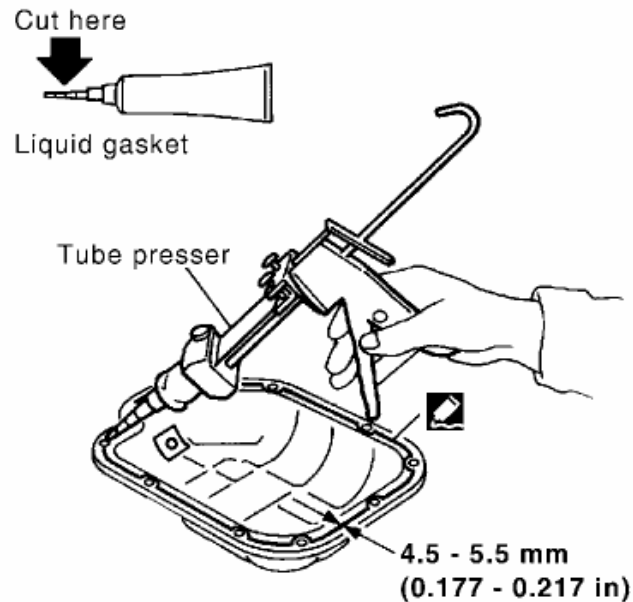
- **RTV (We recommend PERMATEX® ULTRA GREY®)**


Instructions

1. Place the vehicle on a lift or on jack stands. Please follow all safety guidelines
2. Remove the lower tray so that the oil pan is exposed.
3. Drain the engine oil.
4. Begin by removing the bolts that secure the lower oil pan spacer.
5. Slowly pry the lower pan down from the engine
 - a. Try using slow steady force
 - b. If needed tap on the pan with a rubber mallet
 - c. As a last resort us a flat blade screw driver or spatula to help pry the pan down. Work your way around the exterior using care to not gouge or mar the mating surfaces.
6. Loosen oil pan (lower) bolts with power tool in reverse order of illustration to remove.



7. Scrape all surfaces or use gasket remover to clean the surfaces on the block and the pan.
8. Remove the bolts holding the oil pick up tube
NOTE: Some 04+ models have a windage tray that is secured by 4 small bolts to the block. Remove this part to get to the oil pickup bolts. If you wish to keep this part you must install it backwards from stock. You will only be able to use two of the bolts.
9. Apply RTV to the oil pickup spacer
10. Apply RTV to the oil pickup
11. Position the oil pickup spacer against the pickup
12. Position the two against the oil pump
13. Install the supplied M8 bolts with lock washers and torque to **15 - 17 ft. lbs.**
14. Apply RTV to the oil pan spacer



 : Apply liquid gasket. (Use Genuine RTV silicone sealant or equivalent).

15. Perform the same operation on the oil pan
16. Position the spacer on the pan
17. Take both parts and position them against the block
18. Insert the M6 bolts and torque to **74 - 82 inch lbs**

Special Instructions

If the supplied plugs are being used with the pan please cover the thread with RTV and install into the spacer with two aluminum washers beneath the head. This will ensure that there is a no leak connection.

If using a line kit please apply RTV to the threads of any male to male adaptor on the -08AN side that is being installed into the spacer. Leave the -10AN side clear.

Altered Atmosphere Motorsports and our staff would like to thank you for your purchase. If you have any questions or comments please feel free to contact us at the following:

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