

Killer B Motorsport FA20DIT Oil Pickup Install Guide

Refer to Factory Service Manual or KBM FA20DIT header install for OEM exhaust manifold and turbo removal.

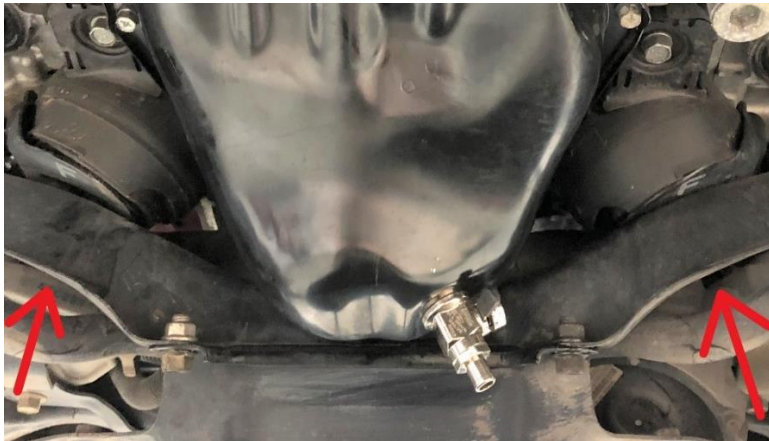
WHATS INCLUDED: Killer B Motorsport FA20DIT oil pickup & parts kit.

TOOLS USED:

ADDITIONAL PARTS NEEDED: 11122AA350 x2 -oil pan sealing o-rings.

Raise vehicle, remove belly pan and drain engine oil.

Once the oil has drained, remove the two M10 (14mm head) nuts from the engine mounts (under the front crossmember) and set aside for reinstallation:



With a 10mm socket, socket wrench, extension and swivel adaptor, loosen ALL ELEVEN of the M6 oil pan mounting bolts:



****NOTE- You may need to push the engine up off the crossmember slightly to give you the space needed to access the rear mounting bolts. This is where the swivel adaptor comes in handy. Remove intercooler and pitch mount for better access.**

Use a pry tool to remove the oil pan from the engine. Be careful not to damage the engine block or oil pan. Discard the two o-rings found inside the pan. Clean oil and remove old RTV from pan.

Unfasten and remove the factory oil pickup with a 10mm socket. Discard the OEM o-ring.

Prepare the Killer B Motorsport FA20DIT oil pickup: pickup, new bolts and o-ring must be clean and ready for installation.

Trying to place the o-ring on the bottom of the engine will prove tricky.

Apply a light amount of engine oil to the oring so it does not roll over or pinch while installing. Hold the pickup in your hand as if it is installed on the engine: set the lubricated o-ring on the face of the pickup and guide them both up toward the engine block. Seat the oring in its groove and then carefully slide the pickup over to its final mounting location. Check to make sure the o-ring is not protruding out the side of the pickup, verify the pickup is sitting evenly over the o-ring and block. Hand thread the two M6 fasteners in evenly until they contact the bottom of the pickup. Torque fasteners evenly to 30 IN-LBS and then to 60 IN-LBS (5 ft-lb)

Once you have cleaned the oil pan, clean the mating surface one more time with brake clean or rubbing alcohol.

Install two new "sealing o-rings": 11122AA350.



Apply sealer to oil pan, following the FACTORY SERVICE MANUAL. Do not use excessive sealer, it may break free and cause engine failure.

Reinstall oil pan, thread all bolts in by hand before tightening anything. Once all bolts are hand threaded, use a socket and socket wrench to snug them against the engine block.

Tighten hardware with a torque wrench in a cross-circular pattern to 4.8 ft-lbs (57.6 in-lb)

Lower engine back onto crossmember, thread nuts back on and tighten to 62.7 ft-lbs.

Reinstall turbo and manifold in reverse order. Refer to Factory Service Manual if you have questions.