

HONDA S-MX CAM COVER / CAM SEAL LEAK



So if you have an S-MX there is a good chance your cam end seal and/or cam cover gasket is leaking.

It will look something like this on the front of your engine



First step is to remove the air box, there are 2 bolts at the front, and 2 at the back. The hoses are just push fit.

Then it should look like this.



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Remove the heat shield, earth strap, remove the 4 spark plug leads (they are different lengths, but feel free to mark them so no not mix them up)

There are then 2 dome nuts at the back, 3 along the middle, 2 at the front.

There is also a bracket at the back right, and 2 breather hoses.

Then pull the cam cover off, do not tip it as you risk losing the nut washers and dropping debris in the engine! Be careful with the cam cover gasket and don't split it!



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Then remove the bottom left cam clamp here, 4 bolts, careful they are different lengths



You can then access the end seal cap, remove it and clean away the oil. Clean both the head and cam clamp surfaces where the end cap sits.

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Apply a thin bead of hondabond sealant to the seal.



Refit the cam end seal and cam clamp.

Clean the Head of excess old sealant (usually located on each cam clamp dome)

Fit cam cover gasket and spark plug rings into cam cover.

Apply hondabond sealant to the cam dome corners, and I always recommend a small smear of hondabond along the front edge of the head.



Refit everything and you're done!