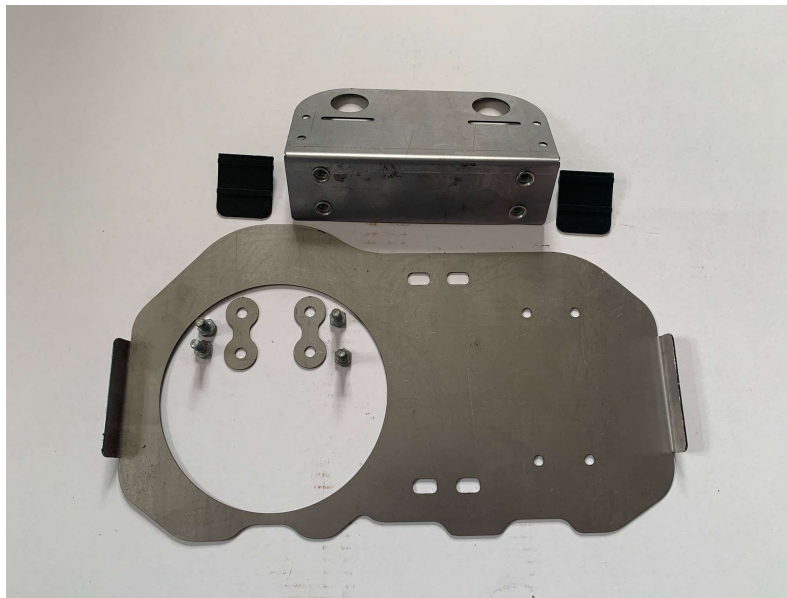


Mamba Motorsport Spridget Sump Baffle Kit

Kit Contents:

- 1 x Folded baffle plate
- 1 x Windage tray
- 4 x M6 x 16 Set screws
- 2 x Lock tab washers
- 2 x Flap valves



Instructions:

Warnings:

This kit modifies the engine sump of your track car. Incorrect installation could cause lubrication failure with the possibility of engine damage. If in doubt get a professional to install and setup the kit.

The purpose of baffling a sump is to reduce the chance of starving the engine of oil as a result of oil surge under heavy braking. To do this we allow the oil to return to all parts of the sump under normal circumstances, but seek to slow any rapid evacuation from the rear of the sump around the oil pickup under heavy braking – known as surge. The windage tray is removable to allow proper cleaning of the sump during repairs/rebuilds etc.

1. With sump removed from engine, ensure it is thoroughly cleaned & degreased.
2. The centre section of the transverse baffle needs to be removed, leaving a 12 – 15mm flange each side. Take care not to damage the bottom of the sump – put a sacrificial piece of sheet steel or similar in the sump just in case! It is not essential the centre bottom piece be removed – just ensure it is flat with no burs.



3. Clean up flanges, and attach the folded baffle plate to the PICK UP side of the flanges. You can bolt or rivet using the pre punched holes or weld the folded baffle plate to the flanges.
4. You should now have the baffle plate fixed to the pickup side of the flanges with the horizontal mounting for the windage tray facing forwards.

5. Ensure all swarf, welding spatter etc is removed and the sump perfectly clean. You can now attach the flap valves by inserting the retaining tags through the slots and pulling through until they are fully located. A wipe of clean oil or grease will help. Now when you brake, the flaps will close and slow any oil from going forward away from the pickup and allow it back under steady state or acceleration.



6. Fit the windage tray – this is essential to ensure any oil wash is minimised under heavy braking. The folded tags each end ensure an interference fit to stabilise the tray – fix with the 4 x M6 set screws and bend the lock tabs up as necessary to ensure they do not come loose. Putting a slight edge lift each end of the tags before fitting if you wish, will make life easier.

Refit sump with new seals & gaskets.

