



# ROSSWULF

Thank you for purchasing our Deep Sump Full Seal Kit or Viton Drain Plate Seals. The Deep Sump Full Seal V1 Kit works with most standard sized deep sumps, and the V2 Kit fits both deep sumps and T1 to T3 case sumps. Viton Drain Plate Seals fit T1 to T3 case sumps and most deep sumps.

## **Deep Sump Full Seal Kit Includes:**

Drain Plate  
2x Viton Seals  
6x Stainless Sealing Bolts  
AP-02 Magnetic GoldPlug

## **Stock Case VITON Seal Installation:**

It's important that VITON seals be installed completely dry. Mating surfaces must be clean, level, and free of burrs. Remove any oil from the case surfaces before installation. Install the VITON seal to the case followed by the stock screen. Install the 2<sup>nd</sup> VITON seal under the screen followed by the stock drain plate using stock hardware. Torque the acorn nuts to 5ft/lbs – make sure that the VITON seal does not squish out and sits evenly around the case and sump plate. Install the GoldPlug and torque to 25ft/lbs

## **Ross Wulf Deep Sump Plate Installation V1**

### **Remove Sump Studs**

Remove the existing drain plate and oil. Once the drain plate is removed you have access to the 6 studs attached to the deep sump – these will need to be removed. Check the inside of the sump to see if the studs are backed by a nut. If so, remove these nuts first – we recommend a pivoting ratchet wrench for this job. Now you can remove the studs. Some studs have allen heads but should be secured with Loctite – in most cases you will need to use a double nut method to remove the studs.

### **Install Ross Wulf Drain Plate Cover**

**It's important that VITON seals be installed completely dry.** Mating surfaces must be clean, level, and free of burrs. Remove any oil from the sump and case surfaces (if installing Viton between sump and case) before installation.

**With Screen:** Install the VITON seal to the case followed by the stock screen. Install the 2<sup>nd</sup> VITON seal under the screen followed by the Ross Wulf drain plate with supplied sealing hardware. Using a T-handle 5mm Allen Key set all 6 sealing bolts until they are equally hand tight. Set all 6 sealing bolts equally by adding roughly 1/4 - 1/3 turn past hand tight. Install the GoldPlug and torque to 25ft/lbs

**Without Screen:** Ross Wulf does not recommend screens of any kind for high performance motors utilizing full flow. This application uses 1 Viton Seal for the case to sump, and 1 Viton Seal for the sump to Ross Wulf Drain Plate. Install the Viton seal to the case and attach sump to the case per manufacturer specifications. Install the 2<sup>nd</sup> VITON seal onto the sump followed by the Ross Wulf drain plate with supplied sealing hardware. Using a T-handle 5mm Allen Key set all 6 sealing bolts until they are equally hand tight. Set all 6 sealing bolts equally by adding roughly 1/4 - 1/3 turn past hand tight. Install the GoldPlug and torque to 25ft/lbs

Ross Wulf LLC  
Las Vegas, NV 89183  
206.794.0125  
@rosswulf46  
Sales@rosswulf.com