



Advanced Innovational Machinery

## VP-SDR ST V2 High Performance Clutch Installation Instruction



VP042-SDR, VP042-SDR-A



VP050-SDR

1. Remove Shifter Lever

**Note:** Please remember the original orientation of the shifter lever. This will need to be reinstalled in the correct position in the end.

2. Remove the left side foot peg bracket to make room for the primary cover removal.
3. Remove Primary cover and drain all necessary fluids associated.



4. Loosen the spring retainer on the clutch evenly at a time using 10mm socket wrench.

**Note:** Hold and apply pressure to the pressure plate upon removal to keep the clutch plates in place so they do not fall out of place.

5. If you purchased a set of optional spring kit, replace the stock springs in place of the new upgraded springs.

- a. **Performance Spring Kit (AM008-005):** No Shim – 20% Stronger than Stock. Insert two shims per spring at the bottom so it serves as the contact point between the spring and the A&S Pressure plate. Every additional shim is an extra 10% increase in stiffness.
- b. **Soft Clutch Spring Kit (AM008-007):** Installed with the VP-SDR will achieve 20% clutch pull reduction depending on the stock spring rate configuration.

6. Install the 3 tabs shim in the center of the clutch hub
7. Install the VP-SDR ST & VP-SDR ST V2 High Performance unit with the factory hardware. **Torque to 7.5-9.2 ft-lbs. (10.2-12.4 Nm)**
8. Adjust the clutch cable accordingly per Harley Davidson's specifications.
9. Double check to make sure everything is working correctly and your clutch has proper engagement and disengagement.
10. Reinstall primary cover and fill all fluids to its proper levels.

