

Sparks Racing Shim Under Bucket Conversion Kit, RZR 900 XP and RZR 1000 XP/XP4

Congratulations on your purchase of the Sparks Racing Shim Under Bucket Conversion Kit. You have just regained the convenience of being able to adjust your valves without having to purchase expensive buckets.

IMPORTANT: These instructions are for guidance and illustration purposes only and will only cover the installation process directly related to the installation of this kit. Having access to a Polaris Service Manual may help with the installation further. It is critical these instructions are read and understood completely. This kit is intended to be installed by a well-qualified engine builder.

Bill of Materials

(8) Valve Buckets

(8) Valve Spring Retainers

NOTE: This conversion requires the use of 9.48mm valve shims (not included).

Installation Instructions:

1. With the cylinder head removed from the engine, remove the valve buckets and valve retainers from the cylinder head
2. Install the Sparks Racing valve retainers (you may reuse the existing valve cotters if they're deemed usable)
3. Install a shim in each of the valve retainers (we recommend a size in the middle of what sizes your kit includes)
4. Install the cams and cam caps (for best results, we recommend adjusting the valves with the cylinder head completely installed and torqued on the engine)
5. Adjust the valves to the desired clearance

All other steps of this installation are covered in the OEM Service Manual or elsewhere