

Product Name: **WG38/40/45 35 psi HP Conversion Kit**
Product Description: WG38/40/45 35 psi HP Conversion Kit
Numbers: TS-0505-2010, TS-0505-2011



IMPORTANT NOTES ON INSTALLATION OF YOUR WASTEGATE HP 35 PSI UPGRADE KIT

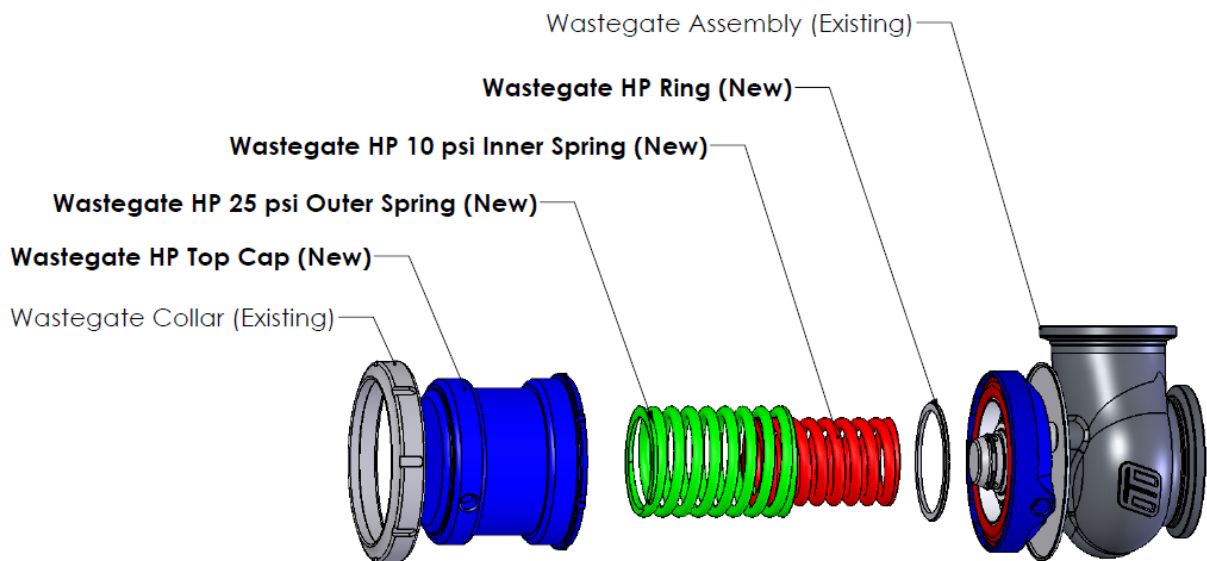
- Fitting your HP upgrade kit may require fabrication or modification to your existing setup. Turbosmart recommends that your HP upgrade kit is fitted by an appropriately qualified technician.
- Fitting the HP upgrade kit will significantly increase your base boost pressure.
- Fitting the HP upgrade kit may cause your engine to run lean.
- Turbosmart recommends retuning the ECU by an appropriately qualified technician to ensure AFR levels are within operating limits of the engine.

WASTEGATE 38/40/45 35 PSI HP Conversion Kit

- The HP upgrade kit is designed to be a straight replacement to the original wastegate.
- The “top port” is incorporated in the cap design. Pressure may still be supplied to the top port to suit different applications.
- The 30 psi HP outer spring is sold separately (TS-0505-2014). This spring is required to achieve the highest spring pressure combination of 40 psi.

INSTALLATION OF 35 PSI HP CONVERSION KIT

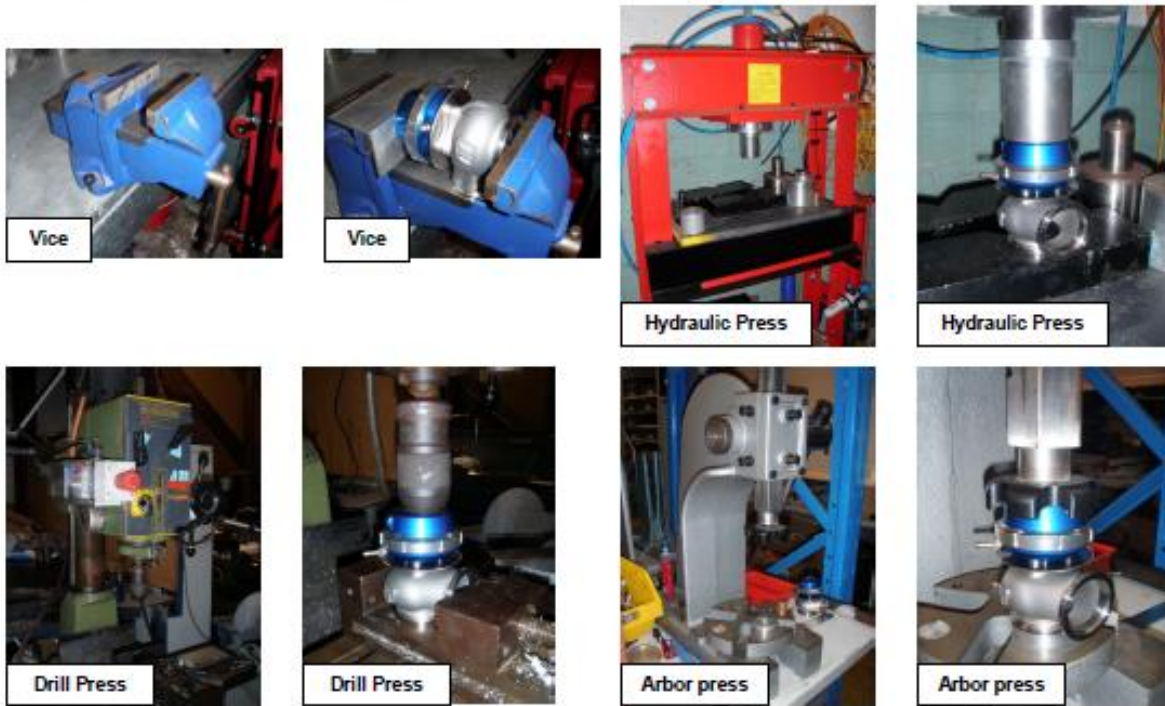
WARNING: Use caution while installing the conversion kit.



IMPORTANT: A press or clamping device must be used when removing or installing the collar as clamping the cap down removes the load off the collar and allows it to be removed.

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The following are examples of different clamping devices that can be used to remove or install the collar:



- 1) Remove the wastegate from the exhaust manifold.
- 2) Remove any pressure nipples in the top cap. Hold the cap down in a press or vice. Using the locking collar tool (TS-0505-3007) to unscrew the locking collar. Slowly, back off the vice or press and remove the cap.
- 3) Ensure that the diaphragm is seated correctly.
- 4) Install the HP ring onto the diaphragm assembly.
- 5) Install desired spring combination.
- 6) Slowly push the HP cap down on the lower diaphragm housing in a vice or press. As the cap reaches the diaphragm, line up the notches in the cap with the cut outs in the lower diaphragm housing. Carefully push the cap down till the HP cap is home on the lower diaphragm housing. Reinstall the locking collar and tighten with the locking tool. Ensure that the cap is clamped down while tightening the collar.
- 7) Reinstall wastegate to vehicle. HP conversion complete.

