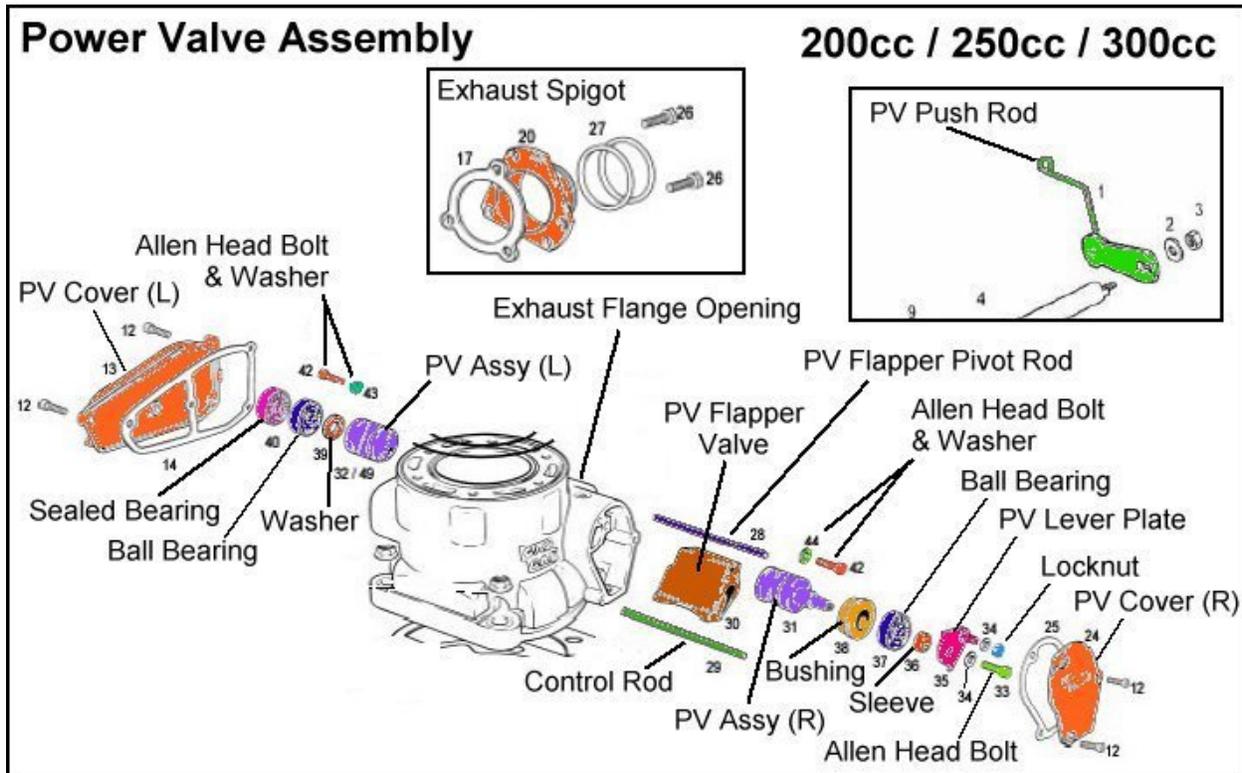


PV Disassembly

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Disassembly Instructions:

Applies to 200,250,300 cc EC/XC/DE models.

1. Remove the left and right side powervalve (PV) covers [#13 & #24]. The PV linkage is on the right side.
2. Remove the locknut holding the PV push rod [#1] to the PV actuating lever plate [#35].
3. Remove the allen head bolt [#33] that connects the PV lever plate [#35] to the right side PV assembly [#31]. Remove the lever plate and sleeve [#35 & #36]. You should now see the ball bearing [#37] supporting the right PV.
4. Remove the allen head retaining bolt and washer [#42 & #44] holding the right bearing [#37] in the cylinder.
5. Remove the left side retaining bolt and washer [#42 & #43]. Note. The left side has a sealed bearing and the ball bearings [both #40] are not visible.

6. Insert a small diameter rod into either side retaining bolt hole and push the PV flapper pivot rod [#28] out the other side.
7. Screw the allen head retaining bolt and washer [#33] holding the right bearing [#37] in the cylinder.
8. Using Vice Grips or pliers, grab the head of the PV lever bolt [#33] and pull out the right side of the PV assembly [#31]. It should include the bearing [#37], bushing [#38] and the right exhaust transfer port valve[#31]. If you look into the right side PV, you will see the main flapper valve [#30], and a control rod [#29] inside a hollow groove of the flapper valve.
9. Insert a small diameter rod through the flapper valve groove [in #30] and tap out the left PV assembly [#32/49]. Alternatively, you can gently tap on the control rod [#29] that is sticking out of the flapper valve groove [in #30].
10. After removing the exhaust spigot [#20], remove the flapper valve [#30] through the exhaust flange opening.