



STT-2024-8

Power Valve Spring Chart

2013+ RR/RR-Race/RX/Xtrainer
2-Stroke

The power valve spring resists the centrifugal advance mechanism of the exhaust power valve. Softer springs will allow the exhaust valve to open sooner giving the engine more of a "Hit" at the midrange and less bottom end power. The stiffer the springs will resist the centrifugal advance mechanism for longer resulting in delayed opening of the exhaust power valve until the engine reaches higher RPM. This will allow for a smoother power delivery across the range and provide more bottom end power.

The exhaust valve spring preload is also adjustable. Adding preload (turning power valve adjuster in) effectively increases the spring resistance which will soften the power delivery. Reducing the preload (turning the power valve adjuster out) effectively decreases the spring resistance and provides a stronger mid-range "Hit". The adjustment range from full out is five revolutions. The standard setting is flush with the adjuster body, one revolution in from full out.

Down below is a chart for all the power valve springs we offer that you can install & adjust to your likings. Remember this will adjust the power delivery to the unit. The stiffer the spring is, the smother the transition will be to the top end power. The softer the spring is, the power delivery will hit harder.

OEM Springs	Primary (Large)	Secondary (Small)
Soft	White (026.09.021.00.00)	White (026.09.018.00.00)
Medium	Green (026.09.019.00.00)	Green (026.09.053.00.00)
Stiff	Yellow (026.09.022.00.00)	Blue (035.09.010.00.00)

Note: Some of the OEM power valve springs will be installed/included in or with the unit.

Aftermarket Spring Kit (AB-22004)	Primary (Large)
Soft	Red
Medium	Yellow
Stiff	Green

Note: All three accessory springs are stiffer than the OEM springs above.