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Twin Cam Valve Spring and Camshaft Information

If you have ever asked yourself which valve springs to use with Screamin' Eagle camshafts then this Tech Tip is for you. While it is ultimately the builder's responsibility to verify all fitments here is a chart that can be used as a starting point.

Stock valve springs Part # 18245-02 Use up to .550 lift with factory rev limit	Screamin' Eagle valve spring Part # 18013-03 Use up to .575 lift and 6500 RPM	Screamin' Eagle valve spring Part # 18344-05 Use up to .650 lift and 7000 RPM
Stock cams SE-203 SE-204 SE-211 CVO253	SE-251 SE-257 SE-258	SE-260 SE-264

This chart should only be used as a starting point! No matter which valve spring and camshaft combination you choose you will need to check for coil bind, top collar to valve seal clearance, and spring pressure. Always follow the service manual and instruction sheets for proper procedures and clearances. You should also check for clearance between the camshaft lobes and crankcases as well as the clearance between the valve springs and the rocker boxes.

CVO253 Camshaft Specifications

Lift @ Valve Intake/Exhaust	Duration @ .053 Intake/Exhaust	Timing @ .053 Lift Open/Close	TDC Lift @ Valve Intake/Exhaust
.536	239	Intake 7°BTDC/52°ABDC	0.117
.537	256	Exhaust 59°BBDC/17°ATDC	0.157