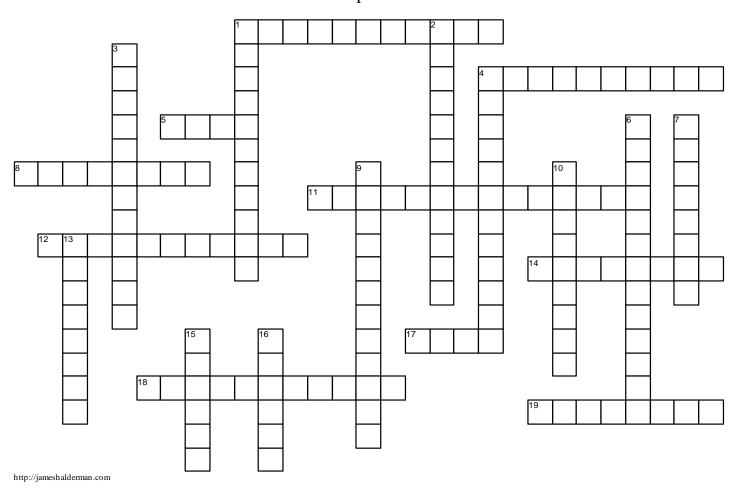
## **Camshafts And Valve Trains**

Chapter 28



1	The type operates quietly but tends to stretch	3	A engine is one that causes no internal
	with use.		damage if the camshaft drive belt breaks when the engine is
4	Occasionally, engines are run at excessive speeds, this		running.
	tends to throw the valve open, causing	4	is the number of degrees of crankshaft
5	The separation between the centerlines of the intake and		rotation during which both intake and exhaust valves are
	exhaust lobes is called: Lobe center, Lobe separation, LDA,		open.
	or spread.	6	Some newer engines have the hydraulic adjustment in the
8	camshafts are either belt or chain driven from the		rocker arm and are commonly called
	crankshaft and are located in the cylinder heads.		adjusters.
11	Another name for a cam follower is a	7	The camshaft is supported in the block by
12	The type is noisier but operates with less		bearings and driven by the crankshaft with a gear or
	friction and stretches less than the silent type of chain.		sprocket and chain drive.
14	The of the cam is usually expressed in decimal	9	An engine will cause some of the valves that
	inches and represents the distance that the valve lifter or		are open to hit the pistons, causing major engine damage if
	follower is moved.		the drive belt breaks.
17	A gradual rise in the cam contour is called a	10	camshafts, which use a lightweight tubular shaft
18	is the movement of the camshaft lengthwise		with hardened steel lobes press-fitted over the shaft.
	in the engine during operation.	13	Engines with the cam located in the block are called
19	duration is the number of degrees of crankshaft		pushrod orvalve engines.
	(not camshaft) rotation for which a valve is lifted off the seat.	15	will not occur when the engine is operated in the
			speed range for which it is designed.
DOWN		16	If two chains are used side by side, this type of chain is
			called a roller chain

2 If the specifications vary, the camshaft is called



1 If the lift is the same, the cam is called \_