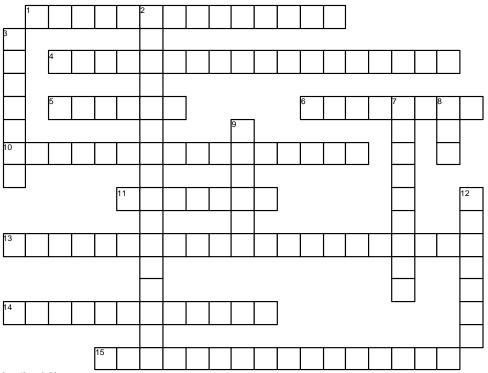
Intake And Exhaust Systems Chapter 24



when the air filter needs to be replaced.

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Λ	n	RC	10	c

		14	A f	fuel injector forces finely		
1	The is also called an inlet		divided droplets of	liquid fuel into the incoming air		
	manifold.		to form a combust	tible air-fuel mixture.		
4	A resonance tube is often called a	15	The size and shape	e of		
	, named for the discoverer of the		engine intake manifolds can be optimized			
	relationship between shape and value of		because the only t	thing in the manifold is air.		
	frequency.					
5	5 An upper manifold, usually called the,		DOWN			
	connects to the lower unit and includes the long					
	passages needed to help provide the ram effect	2	The	is a tube that is often		
	that helps the engine deliver maximum torque at		designed to be long so that the exhaust gas is			
	low engine speeds.		cooled before it enters the EGR valve.			
6	The air filter is made of a chemically treated paper	3	The catch	nes the large bursts of high-		
	stock that contains tiny in the fibers.		pressure exhaust of	gas from the cylinder,		
0	Many have heat shields to		smoothing out the	pressure pulses and allowing		
	help keep exhaust heat off the spark plug wires		them to be release	ed at an even and constant rate.		
	and to help keep the heat from escaping to	7	Just as fuel filters	are used to clean impurities		
	improve exhaust emissions.		from gasoline, an	is used to remove		
1	The muffler and tailpipe are supported with		contaminants from	n the air.		
	brackets, called, which help to isolate the	8	To reduce the emis	ssion of NOx, engines have		
	exhaust noise from the rest of the vehicle.		been equipped with	n valves.		
3	Some air filter,	9	One is equ	ıal to 0.000039 in.		
	especially on diesel engines, include an electrical	12	are used	on new engines with tubing- or		
	switch used to light a dash-mounted warning lamp		header-ty pe exhau	ıst manifolds.		

