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Automotive

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| **Across**  **1.** the hinged cover over the engine of motor vehicles that allows access to the engine compartment  **5.** a car is the vehicle's main storage compartment.  **9.** a gauge that measures and displays the speed of a vehicle.  **13.** a viscous liquid derived from petroleum, especially for use as a fuel or lubricant.  **16.** A senior engineer is somebody who can lead small teams, knows what they are doing  **18.** the management, development, operation and maintenance of IT systems  **19.** a mechanism for connecting and disconnecting a vehicle engine from its transmission system.  **20.** the engineering discipline that applies control theory to design systems with desired behaviors. | **Down**  **2.** Someone who help design cars  **3.** a device for slowing or stopping a moving vehicle, typically by applying pressure to the wheels.  **4.** join together by heating the surfaces to the point of melting using a blowtorch  **6.** a device for firing the explosive mixture in an internal combustion engine.  **7.** wheel drive cars and trucks, the engine turns a driveshaft Producing power to the rear of the vehicle  **8.** an engine-cooling device in a motor vehicle  **10.** the mechanism by which power is transmitted from an engine to the wheels of a motor vehicle.  **11.** someone who provides guidance, instruction, direction to a group  **12.** a part of a machine that bears friction, especially between a rotating part and its housing.  **14.** a machine, especially one powered by electricity or internal combustion, that supplies motive power for a vehicle or for some other device with moving parts.  **15.** material such as coal, gas, or oil that is burned to produce heat or power.  **17.** a thing used for transporting people or goods, especially on land |