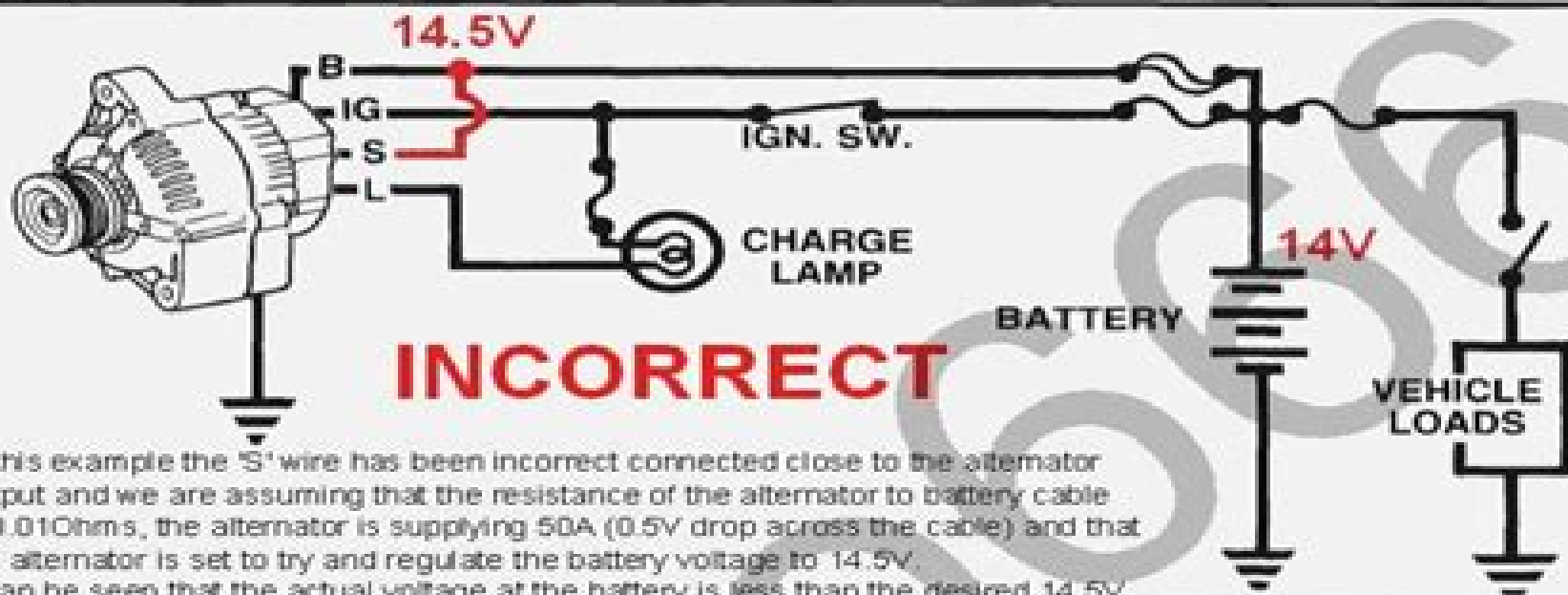
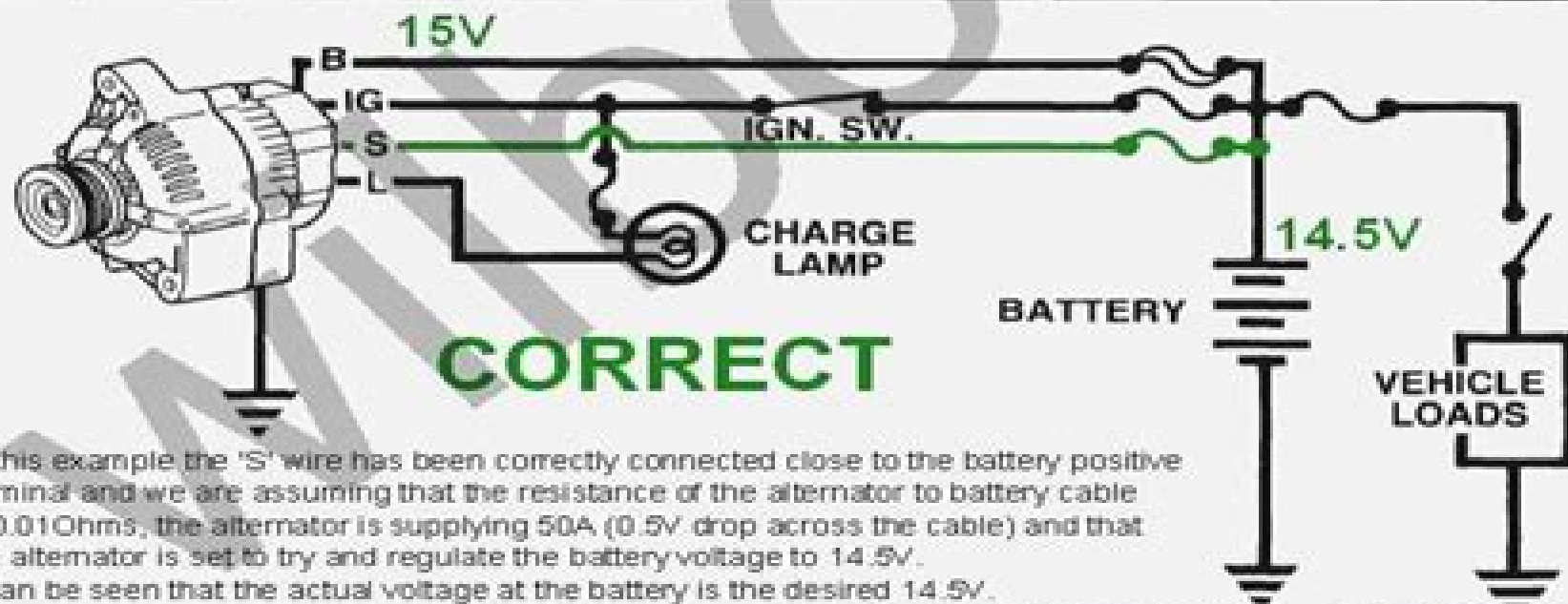


Toyota Alternator 'S' Sense Wiring Example



In this example the 'S' wire has been incorrectly connected close to the alternator output and we are assuming that the resistance of the alternator to battery cable is 0.01 Ohms, the alternator is supplying 50A (0.5V drop across the cable) and that the alternator is set to try and regulate the battery voltage to 14.5V. It can be seen that the actual voltage at the battery is less than the desired 14.5V.



In this example the 'S' wire has been correctly connected close to the battery positive terminal and we are assuming that the resistance of the alternator to battery cable is 0.01 Ohms, the alternator is supplying 50A (0.5V drop across the cable) and that the alternator is set to try and regulate the battery voltage to 14.5V. It can be seen that the actual voltage at the battery is the desired 14.5V.

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Toyota Motor Sales,1968

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