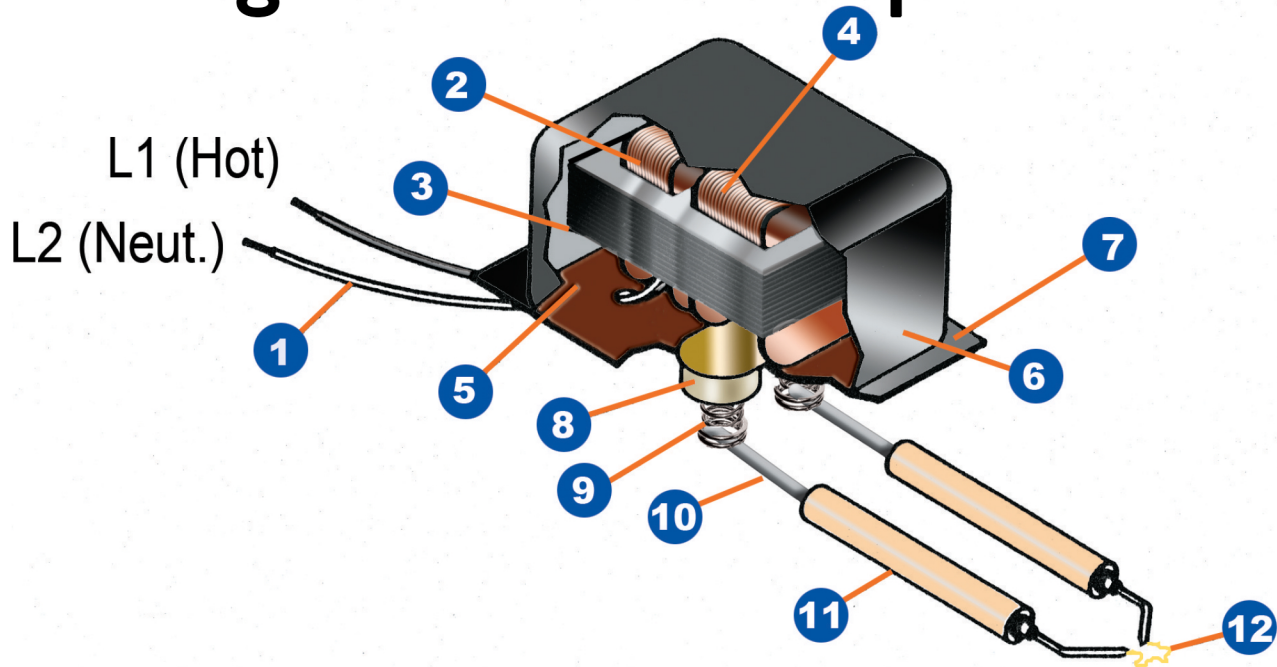


Ignition Service Help Chart



Designation	Description	Service Hints
1. 120V ac input wires	Brings 120 volt to primary coil	Wires must not be pinched against housing when transformer is closed
2. Primary coil	Current in this coil generates a magnetic field	
3. Iron core	Transfers magnetic field into secondary coil	
4. Secondary coil	Magnetic field from core induces voltage in this coil	
5. Insulating compound	Keeps moisture out, conducts heat	Should not be leaking out
6. Metal cover	Protects internal of transformer	Should not be punctured or severely dented
7. Mounting base plate	Mounts transformer to burner housing	Must not be bent and cause air to leak from around transformer
8. Transformer output ceramic insulator	Insulates high voltage from ground and opposing terminal. Holds ignition spring dimensions	1. Must not be cracked 2. Must be totally clean
9. Ignition spring terminals	Transmits high voltage to electrode rods	1. Must make good, clean contact to electrode rods
10. Electrode rods	Transfers high voltage to electrode tips	Must be clean
11. Electrode insulators	Mounts electrodes and insulates each electrode from ground	Must be clean and not cracked
12. Arc gap and electrodes	Specified gap (1/8" - 5/32") allows arc to jump to other terminal and ignite	1. Too close causes delayed ignition 2. Too wide results in no ignition and possible damage to secondary 3. Clean and properly adjust