

Gallant Igniter Replacement



Kit Part Number	Description	Model
GARKIT04	Igniter Replacement	Gallant 250
GARKIT05	Igniter Replacement	Gallant 299/399

Each Kit Includes:

- Igniter
- Igniter Gasket
- Igniter Screws

Recommended Tools:

- Phillips Head Screwdriver

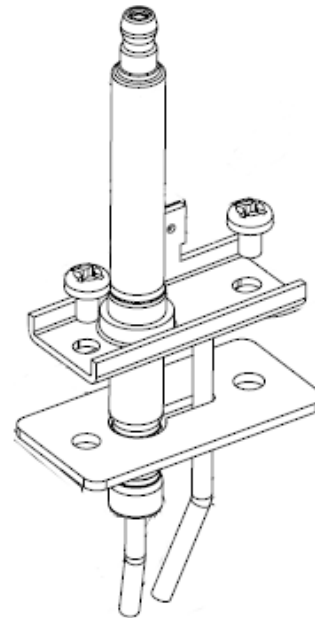


Fig. 1: Igniter Kit Components

WARNING

Indicates a potentially hazardous situation which, if ignored, can result in serious injury or substantial property damage.

NOTICE

Indicates special instructions on installation, operation or maintenance, which are important to equipment but not related to personal injury hazards.

WARNING

For your safety, turn off electrical power supply at service panel and allow unit to cool before proceeding to avoid possible electrical shock and scald hazard. Failure to do so can cause severe personal injury or death.

WARNING

Failure to follow instructions below can result in severe personal injury or damage if ignored.

- Instructions are for a qualified installer/ service technician only.
- Read all instructions before proceeding.
- Follow instructions in proper order.

Gallant Igniter Replacement



1. Preliminary Instructions:

1. Verify that the Igniter replacement kit is correct for the model of boiler. See table on page 1.
2. Carefully open and unpack the PARTS BOX from its shipping carton.
3. Carefully remove and check for any damage.

NOTICE

Do not proceed with installation and contact Ideal USA right away if the igniter is damaged in any way.

4. Turn off the electrical power supply to the boiler.
5. Close the manual gas shut off valve to the unit.

2. Igniter Removal Instructions:

1. Remove the front jacket panel.
2. Disconnect the black connector from the igniter.
3. Disconnect the ground wire from the igniter base.
4. Remove the screws securing the igniter to the heat exchanger top plate.
5. Remove and discard the old igniter and igniter gasket.

NOTICE

If the gasket "sticks" to the mounting plate use a flat blade putty knife to remove any gasket material. Make sure not to scratch or score the mating surface.

3. Igniter Installation Instructions:

1. Verify the igniter gap on the new igniter is approximately 1/8.
2. Place the new igniter gasket onto the new igniter.

NOTICE

For the reassembly process do not use adhesives on ANY gasket surface.

3. Gently place the new igniter into the heat exchanger top plate. Ensure the igniter is not damaged or insulation is not torn during installation



Operating the boiler with a damaged igniter or torn insulation can cause the boiler to operate improperly, resulting in death, serious injury or substantial property damage.

NOTICE

The mounting hole for the igniter is keyed and will only allow the igniter to be installed in the proper orientation.

4. Hand tighten both igniter screws. Once both screws are hand tight, torque each screw to 13-18 in-lbs, alternating between tightening the two screws.
5. Connect the ground wire to the new igniter base.



Installing the igniter without the grounding tab will leave the boiler not properly grounded and may result in serious injury, substantial property damage or death.

6. Connect the black ignition cable to the new igniter.

NOTICE

Ensure the black cable is freely connected between the igniter and spark transformer and not resting against any objects.

7. Turn power to the unit "ON".
8. Perform 3 to 4 ignitions and verify that the unit lights normally.
9. Reinstall the front cover and place the unit back in service.