



Defiant 1910 Catalytic Service Procedure

REPLACING THE DEFIANT 1910 TOP

PARTS NEEDED TO DO REPAIR: Defiant top, 5' of griddle gasket 120-3668 or Gasket Kit 000-3441, 11 oz. Tube of thermocement 30000524.

TOOLS NEEDED TO DO REPAIR: 7/16" wrench or socket; caulking gun; rubber mallet; Allen key set or Phillips screwdriver.

1. Remove the stovetop griddle.
2. Use a Phillips screwdriver or Allen Key (depending on which bolt was used) to remove the countersunk bolt going through the top at "A" in the exploded view next page.
3. Use a 7/16" spanner wrench or ratchet with the 7/16" socket to remove a hex nut and the washer from the two threaded studs passing through clevises at "B" in the exploded view next page. Keep for reassembly.
4. Use the rubber mallet or a hammer with a block of wood (to cushion the impact), to gently tap against the underside of the stove top all around the perimeter inside the firebox. This will break the cement seal between the stovetop and the rest of the stove body. When the top moves independently of the stove body, carefully lift it off and set it aside. Be especially careful if the panel is enameled. It is heavy so it may take two people to lift off the top.
5. Carefully clean all the cemented ends on the stove sides, front and back with a hammer and a chisel. These surfaces must be as clean as possible for a proper refitting of the top. Take care not to damage porcelain surfaces as cured furnace cement will remove the porcelain finish it is adhered to during any cleaning process.
6. Dry fit the top to make sure there is no rocking caused by uneven cleaning of the stove body parts. The top should fit snugly with no excessive rocking. If uneven, re-clean or gently file any high spots. Installing the top with an uneven top surface could cause cracking of the new top.
7. Put the threaded rods back into the new top.
8. To assemble the top, apply cement to the perimeter grooves on the underside of the stovetop in the same locations as the old top. It may take two people to lift the top and flip it over. Carefully lift the top, flip it right-side up, and place it on the stove body. When settling down, align the threaded stud on each end with the mating clevises at B as shown in exploded view. Put washers and hex nuts on the studs; tighten hand-tight. Install a countersunk bolt at "A" as shown in the exploded view and tighten all the three pieces of hardware gradually until top is tight. Do not attempt to make up for an uneven top fit by over-tightening the hardware.
9. Carefully clean any excess stove cement from the outside surfaces with a damp cloth. This is especially important for any porcelain surfaces.
10. Replace the griddle gasket.
11. Smoke test the top if possible to check for sealing.

TOP REPLACEMENT FOR DEFIANT 1910

