

**FAILURE TO READ AND FOLLOW ALL INSTRUCTIONS CAREFULLY  
BEFORE INSTALLING OR OPERATING THIS CONTROL COULD CAUSE  
PERSONAL INJURY AND/OR PROPERTY DAMAGE.**

## DESCRIPTION

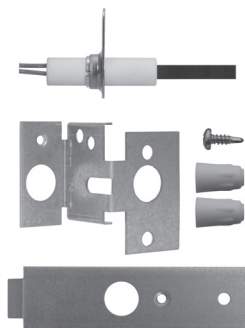
The HotRod EX™ ignitor kit uses a universal snap-apart mounting bracket and an extension bracket. The bracket must be modified to suit your specific appliance design. Refer to the cross reference list and the pictorials in this sheet to determine the snap-apart bracket configuration required for your application. The extension bracket is used without modification. When using the extension bracket it is important that the existing gasket on the installed ignitor be reused with the new extension bracket from the HotRod EX kit.

### **⚠ CAUTION**

**With appropriate care, maintenance, and use, your hot surface ignitor will provide years of dependable and trouble-free service. Nevertheless, the ignitor is a wear part and it will become non-operational at the end of its life cycle. The length of its life cycle will depend on a variety of factors, including without limitation, the type of furnace you use, the length of your heating season, and the number of ignition cycles. Therefore, to help ensure continued operation of your furnace, we recommend an inspection of the ignitor by a qualified service professional once a year, before the heating season begins, as part of a routine preventative maintenance program for your heating system.**

The HotRod EX universal Nitride ignitor kit contains the following materials:

1. Extension Bracket
2. Ceramic Wire Nuts (2)

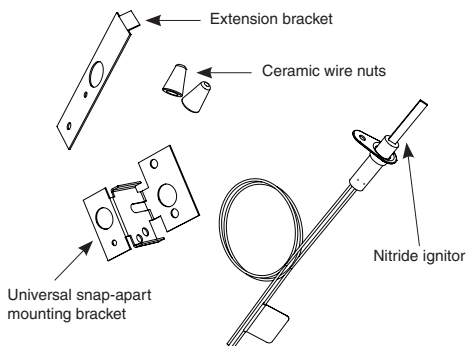


**Fig. 1 – HotRod EX™ Ignitor**

3. Universal “Snap-apart” Mounting Bracket
4. 120 Volt HotRod EX Nitride Ignitor with 250 C Rated Wire Leads
5. Self-tapping Mounting Screw
6. Instructions

The HotRod EX universal kit replaces:

- 120 Volt Flat Silicon Carbide Ignitors
- 120 Volt Round Spiral Silicon Carbide Ignitors
- 120 Volt Round Silicon Nitride Ignitors
- 120 Volt Flat (Large and Small Format) Silicon Nitride Ignitors



## DESCRIPTION

Over 200 applications can be replaced by the HotRod EX universal ignitor kit.

The major replacement cross reference is listed on the sides of the package. The full cross reference is in this booklet.

The HotRod EX kit is suitable for use with most 120 volt appliance controls. The HotRod EX kit cannot be used to replace ignitors that operate with amperage "proven" control systems.

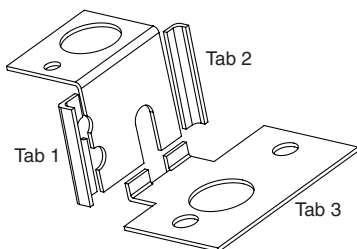


Fig. 2 – Snap-apart bracket

### **⚠ WARNING**

It is recommended that the installation of the enclosed replacement product be performed by a licensed or qualified gas appliance service technician.

Copeland or its affiliates will not be responsible for injury or damage resulting from the installation of this product by an unqualified person.

Read the entire instruction booklet before installing the replacement product. Follow the instructions completely.

### **⚠ WARNING**



Failure to comply with the following warnings could result in personal injury or property damage.

#### **FIRE HAZARD**

- Do not exceed the specified voltage.
- Replace existing control with exact model and dash number.
- Protect the control from direct contact with water (dripping, spraying, rain, etc.).
- If the control has been in direct contact with water, replace the control.
- Label all wires before disconnection when servicing controls. Wiring errors can cause improper and dangerous operation.
- Route and secure wiring away from flame.

#### **SHOCK HAZARD**

- Turn off or disconnect the electrical power from the appliance before the installation of this product.
- All wiring of the appliance must comply with the manufacturer's instructions and local and national electrical codes.
- Ensure proper connection of line neutral and line hot wires.

#### **EXPLOSION HAZARD**

- Shut off the gas supply to the appliance before installing this product. Failure to shut off the gas supply could result in fire or explosion during the installation and testing of the product.

## INSTALLATION

### Step by Step Installation Instructions:

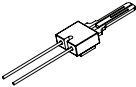

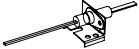
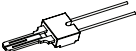

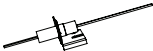
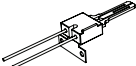


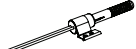



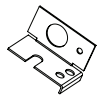

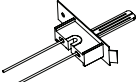
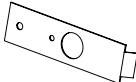
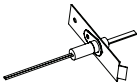
1. Turn off the gas and electrical supply of the appliance.
2. Unplug the ignitor to be replaced from the appliance wiring harness and remove the ignitor. Remember to save the original bracket mounting screw(s) as this will be required when installing the new HotRod EX ignitor (Fig. 3).
3. Examine the existing ignitor configuration and check the cross reference list and/or ignitor assembly pictorials to determine the bracket configuration required.
4. Using pliers or a similar tool, snap-off the bracket tabs (labeled 1, 2, and 3) necessary to properly configure the bracket.
5. Install the correctly configured bracket to the appliance with the original bracket mounting screw.
6. Cut off the original ignitor connector on the appliance wire harness and strip the two wire leads to be connected to the HotRod EX ignitor.
7. Install the HotRod EX ignitor onto the replacement bracket using the tapping screw provided in the kit.

8. Confirm that the replacement ignitor mounting is fitted properly. If the bracket has been configured properly, the new ignitor position will be similar to the original ignitor position.
9. Using the wire nuts provided, attach the wire leads from the ignitor to the stripped leads on the wire harness. Make sure no portion of the stripped wire ends are exposed outside of the wire nuts.

## Installation and Operation Confirmation:

1. If the gas burner assembly was removed or disconnected during the installation of the ignitor, re-assemble and confirm that all of the electrical and gas connections are properly re-connected and tight.
2. Turn on the electrical and gas supplies to the appliance. Using a volt meter, confirm that the supply voltage to the appliance is correct. Using a leak checker, confirm that there are no gas leaks in the appliance piping.
3. With the cover of the appliance still removed, turn on the appliance and set the thermostat to call for heat.
4. Observe the ignition sequence. The ignitor will begin to glow and the gas valve will operate to supply gas to the burners. The ignitors should not remain on for more than a few seconds after the burners light. Once the appliance is running properly, turn off the appliance and reinstall the appliance.
5. Cycle the appliance one or more times to make sure it is functioning properly.
6. Reset the thermostat to its normal settings. The installation is now complete.

## Ignitor Assembly Configurations – Fig. 3

	Silicon Carbide Ignitor	Bracket	HotRod EX™ Ignitor
<b>Ignitor Assembly 1</b> The snap bracket - remove tabs 2 and 3			
<b>Ignitor Assembly 2</b> The snap bracket - remove tabs 1 and 3			
<b>Ignitor Assembly 3</b> The snap bracket - remove tabs 1 and 2			
<b>Ignitor Assembly 4</b> The snap bracket - remove tabs 2 and 3			
<b>Ignitor Assembly 5</b> The snap bracket - remove tabs 2 and 3			
<b>Ignitor Assembly 6</b> The extension bracket - no modification			

# FULL CROSS REFERENCE

## HotRod EX™ Universal Nitride Ignitor Replacement Kit

The HotRod EX replaces the following models:

OEM	Part No.
Adams Dornback	271NM
Air Comfort	271NM
Amana	10755002
	B138196P01
	B144676P02
	B340039P01
	B144676P01
American Appliance	271B
American Road Equipment	201W
American Standard	IGN0030
Arco Aire	100-9980
	1096048
	1380680
Armstrong	38322B001
Barnett Brass	661924
	661926
	661927
Carrier/Bryant/Payne	LH33ZS001A
	LH33ZS002
	LH33ZS003
	LH33ZS004
Claire Brothers	C-238
	C-242
	C-263
Coleman	1474-051
	1474-052
Comfortmaker	1096048
Detroit Radiant	201D
DMO Industries/Olsen/ECR	20834
	26789
Ducane	20015201
Eastern Foundry/Peerless	271N
Enerco/Tech	10399
Evcon	1474-051
	1474-052
EZ Flow	62374
Frigidaire	6320880
	6323540
	RH622286893
GE/Hotpoint	WG37X11
	WG37X34
Gemline	IG-101

OEM	Part No.
Gemline	IG-102
	IG-107
Goodman	B11726-06
	B1401009
	B1401015
	B1401015S
Grimsby Stove	ZCO-350
GSW/John Woods/P.V. Water Heater	71082
	86483
H.B. Smith	101344
	1148245
	50018
Heat Controller	62-22868-02
Heil Quaker	1148145
	1001344
	1096048
	1009604
Hired Hand	201N
Hupp Industries	9050
Integra	3260618
	6905032
Intercity	1009604
International Comfort Products	1096047
Johnstone Supply	L37-699
	L37-700
	L37-812
	L37-814
	L37-815
	L37-816
L.B. White	271N
	120-07549
Lennox	31L6201
	36N77
	98P77
	98P78
Lennox Canada	12L4301
Lincon Food	4070519
Majestic	75-92-104
	75-92-105
Metzger	201N
	201W
Modine	5H75032A
Mor-Flo	3200580

**HotRod EX™ Universal Nitride Ignitor Replacement Kit**

The HotRod EX replaces the following models:

OEM	Part No.
Mor-Flo	3200618
MTS Systems	119651-59A
Nordyne/Frigidaire/ Miller/Philco/Tappan	105141000
	6320770
	6320880
Norton	201
	201D
	201K
	201L
	201M
	201N
	201NM
	201P
	201R
	201W
	271
	271D
	271K
	271L
	271M
	271N
	271NM
	271P
	271R
	271W
Olsen Industries	26789
Raypak	201M
	50015
	600915
Rheem/Rudd	62-22868-82
	62-22868-93
	62-22669-02
	62-22441-01
	90434300
Roberts Gordon	271N
	90436300
	90436600
Robertshaw	41-402
	41-403
	41-405
	41-407
	41-408
	41-409
	41-410
	41-412
	41-414

OEM	Part No.
RSS Combustion	201N
Shenendoah	271W
SHI	Y-67610
Sibley Agrie	271N
Snyder General	1380654
	138067
	1380680
Southern Equipment	271N
Starlite	11120-100-1402
	11120-100-1403
	11120-100-1405
	11120-100-1407
	11120-100-1408
	11120-100-1409
Supco	SIG-107 SIG-402
	SIG-403 SIG-405
	SIG-407 SIG-408
	SIG-409 SIG-410
	SIG-412 SIG-414
Superior Fireplace	94851
Surface Ignitor	FC007
	FC024
	FC035
	FC046
	FC050
	FC051
	FC055
Temp Controls	9302-094
Tempstar	1096048
Thermo Products	380602
Trane	34003P01
	201
	IGN21
	IGN23
	IGN26
	IGN30
	IGN34
	X13130195010
	X13130195020
	X24080134010
	X24080149010
	B138196P01
	B144676P01
	B144676P02
	B340039P01
	B340039P02

FULL CROSS REFERENCE – cont’d.

HotRod EX™ Universal Nitride Ignitor Replacement Kit

The HotRod EX replaces the following models:

OEM	Part No.
Viessman	9302-094
Wayne Combustion/ Wayne Home Products	62821-001
	62821-002
Weil McLane	79074
	511-330-139
	511-330-183
	511-330-190
	511-330-193
Whirlpool	99794323
	99794328
White-Rodgers	767A-301
	767A-303
	767A-306
	767A-310
	767A-311
	767A-350
	767A-353
	767A-354

OEM	Part No.
White-Rodgers	767A-357
	767A-361
	767A-364
	767A-365
	767A-366
	767A-370
	767A-371
	767A-372
	767A-373
	767A-376
Williamson	9050
	025-32625-000
	025-27766-000
	025-27774-000
	025-29043-000
	025-29050-000