

Part Numbers Breakdown for CB-90-HS Burner

The supplier reference number (SR#) to the right of the description, tells you which suppliers offer the part. The supplier references are listed at the end of the parts list. For your convenience, suppliers are listed in order of availability.

Item #	Part #	Description	(Supplier Ref. #)
1	31067	Burner Housing	(SR#) 2,3,5
2	31003	Fan, Squirrel Cage	(SR#) 1,2,3,4,5
		On 280,000 Btu furnace that has a meter pump, MUST use 6&1/4" blower wheel. See H-S Burner Update Sheet in book, or call (COH S# 7)	
3	33084	Motor (Burner)**	(SR#) 1,3,5
		(or Grainger part # 454x79) This Pt # is reversible, must switch direction to C.C.W. (when looking at shaft end).	
4	33169	Green Light (Drill hole bigger)	(SR#) 1
5	32012	Oil Regulator (if needed)	(SR#) 1,3
6	32159	Oil Gauge 0-60 psi 1/8" b.m	(SR#) 8
7	32060	90 Deg Elbow, 1/4 x 1/8 NPT	(SR#) 8
8	32015	Pipe Fitting, 1/8 x 2	(SR#) 8
9	33013	Air / Oil Solenoid, Combu	(SR#) 1,3,4
10	32019	Close NIP 1/8 NPT Steel	(SR#) 8
11	33006	Oil Preheater - Not used, (cut wires & reinstall; And use 300 Watt on air side (see below).	
12	33003	Air Preheater - 150-watt (Old #) (Replace with 300 Watt, Clean Burn / Kagi / Wedco Pt # 33096)	(SR#) 1,2,4,7

Item #	Part #	Description	(Supplier Ref. #)
13	32008	ST EL 90 1/8 NPT GLV	(SR#) 8
14	33057	Air Pressure Switch	(SR#) 1,2,3,4,7
15	12001	Terminal Block Assembly	(SR#) #1,2,3,4
16	33011	Heater Block Thermostat	(SR#) #1,2,3,4,7
17	26000	Aluminum Oil Preheater Block CB H-S 85-90 Wedco	(SR#) 1,2,3,4
18	11036	Primary Burner Box A	(SR#) 1,2,3,4,7
19	33192	Int. Ign. Oil Primary	Only use Honeywell/ Resideo Pt. # R8184G-4009; Do not use any type of digital control !!!!! (SR#) #1,2,4,5,7
20	33102	Yel. Connector, Male Plug	(SR#) 1,2,3,4,7
21	26019	Swing Mounting Plate	(SR#) 2,3,4,7
22	31083	Burner Tube (length?)	(SR#) 2,3,4
23	26021	Mounting Flange – SQ	(SR#) 2,3,4
24	26007	Retention head - use Shenandoah or CB For 280,000 Btu furnace with meter pump, MUST use Supreme 5 (from COH S# 7)	

.....All others: (SR#)
#1,2,3,4,7

25&26 33086-33085 Electrodes (come as a set)
 (SR#)
#1,2,3,4

27 33151 Buss Bars (length?) (1 set needed)
(SR#)
#1,2,3,7

28 31007 Turbulator-Electrode Mount (SR#)

#1,2,3,4,7

<u>Item #</u>	<u>Part #</u>	<u>Description</u>	<u>(Supplier Ref. #)</u>
29	32000	Delavan Nozzle (3060 9-5)	(SR#)
			<u>#1,2,3,4,7</u>
30	13054	Nozzle Adapter A (length?)	(SR#)
			<u>#2,3,4,7</u>

31	32011	Nozzle Adapter O-Ring (Napa #7272114)	
32	32046	Brass Nipple, 1/8 NPT x 4" (SR#)	8
33	33116	Cad Cell (SR#)	<u>#1,2,3,4,5</u>
34	33004	Transformer (or Pt. # 33189) (SR#)	<u>#1,2,3,4,5</u>

<u>Item #</u>	<u>Part #</u>	<u>Description</u>	<u>(Supplier Ref. #)</u>
35	26005	Fender Washer (SR#)	8
36	32010	1/8 x 3 Nipple GALV (SR#)	8
39	32047	Pipe Fitting, 1/8 x 4-1/2 (SR#)	8
40	32257	Air Regulator (SR#)	<u>1,2,3,4,5</u>
41	32017	Air Gauge 0-60 psi 1/8" b. m. (SR#)	<u>1,8</u>
42	32039	Adapter, 1/4 OD x 1/8 NPT (SR#)	8
43	31002	Air Control Band (SR#)	<u>2,3,4,7</u>

Supplier Reference Numbers (SR#)

(SR#) above corresponds to these option numbers:

- # 1: Most parts can simply be searched by part # on eBay.com or, search **Clean Burn H-S waste oil heater parts**
- # 2: Whitten Enterprises, phone 978-544-6265.
- # 3: West Brothers Heating, online store WestBrosinc.com or phone 801-263-3763.
- # 4: Rudbecks, phone 218-692-4759.
- # 5: Grainger.com
- # 6: Fastenal.com for hardware products.

- # 7: Central Ohio Heaters, phone [330-674-0142](tel:330-674-0142) for some items, visit our website: CentralOhioHeaters.com for lots of info, tech help, and videos. **Call Central Ohio Heaters, Ltd for a complete, reconditioned, and updated burner; we have them in stock, test-fired, and inspected!**
- # 8: Purchase from your local hardware store.

****Burner Motor Information:**

A.O. Smith EL2005 316P687 Fan Blower Motor 1/8 HP 1725 RPM 115V 2.5 amps

EL2005 Century Motor 1/8HP 1725RPM 48N ENCLOSED 115 Volt 1 Phase

Grainger 454x79

Verify correct rotation -- top of fan turns towards fire.