PARTS MANUAL

Model Numbers:
AHE-100-03S - 12 VDC
AHE-120-03X - 12 VDC
AHE-130-03X - 12 VDC
(SN: 03-675 TO 04-533)
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<tr>
<td>2</td>
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<td>Shutter, Combustion Air Intake</td>
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<td>WPX-432-377</td>
<td>Screw, Protection Housing</td>
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<td>WPX-152-269</td>
<td>Washer, Star, Protection Housing</td>
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<td>WPX-436-216</td>
<td>Cap, Protection, Motor</td>
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<td>WPX-147-834</td>
<td>Screw, Flange, Blower Housing</td>
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<td>WPX-425-05A</td>
<td>Plate, Motor Mounting</td>
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<td>Washer, Star, Motor Plate</td>
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<td>Motor, Combustion Air/Fuel Pump, 12 VDC</td>
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<td>Clutch, Half, 6mm</td>
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## Webasto Diesel Burner

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<td>WPX-148-210</td>
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<td>WPX-152-552</td>
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<td>WPX-373-001</td>
<td>Blower, Wheel, w/Shaft</td>
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<td>WPX-378-313</td>
<td>Bearing Kit</td>
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<td>Grommet, Blower Casting, Right</td>
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### Webasto Diesel Burner

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<td>Valve, Fuel Solenoid, 12 VDC</td>
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<td>WPX-386-650</td>
<td>Valve, Fuel Solenoid, Kit</td>
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<td>WPX-267-279</td>
<td>Bolt, Electrode</td>
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<td>54</td>
<td>WPX-152-560</td>
<td>Washer, Lock, Electrode</td>
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<td>WPX-278-971</td>
<td>Clamp, Electrode</td>
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<td>WPX-274-313</td>
<td>Electrode, Ignition</td>
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<td>WPX-147-699</td>
<td>Screw, Flame Sensor</td>
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<td>WPX-638-78A</td>
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<td>WPX-887-71A</td>
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<td>WPX-503-03A</td>
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<td>WPX-665-49A</td>
<td>Tube, Fuel, High Pressure</td>
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<td>WPX-150-754</td>
<td>Bolt, Banjo</td>
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<td>WPX-151-157</td>
<td>Gasket, Ring, Copper</td>
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<td>WPX-661-002</td>
<td>Pipe, Fuel, Banjo, Supply, DBW 2010 (w/Straight Tube)</td>
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<td>WPX-661-001</td>
<td>Pipe, Fuel, Banjo, Return, DBW 2010 (w/Straight Tube)</td>
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<td>70</td>
<td>WPX-277-282</td>
<td>Screw, Mounting, Fuel Pump</td>
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<td>WPX-152-544</td>
<td>Washer, Lock, Fuel Pump</td>
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<td>72</td>
<td>WPX-886-41A</td>
<td>Nozzle, Fuel, 0.35 GPH</td>
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<td>73</td>
<td>WPX-412-198</td>
<td>Stand, Fuel Nozzle, Brass</td>
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<td>WPX-277-150</td>
<td>Screw, Plate, Nozzle Stand</td>
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<td>WPX-102-861</td>
<td>Plate, Manifold</td>
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<td>WPX-371-289</td>
<td>Gear, Fuel Pump, Nylon</td>
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<td>77</td>
<td>WPX-152-390</td>
<td>Snap, Ring, Gear</td>
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<td>78</td>
<td>FLE-FUL-100</td>
<td>Fuel Kit, JIC, Male, w/Nut &amp; Ring, Complete</td>
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Webasto Diesel Burner

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<tr>
<th>Key</th>
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<tbody>
<tr>
<td>1</td>
<td>PLX-105-800</td>
<td>Fitting, Bulkhead, 3/4 (M) NPST x 1/4 in (F) NPT, Brass</td>
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<td>2</td>
<td>FLX-751-CVL</td>
<td>Valve, Check, Fuel 1/4 in (M) NPT</td>
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<td>3</td>
<td>FLX-FL1-022</td>
<td>Fitting, Elbow, 1/4 in (F) NPT</td>
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<td>4</td>
<td>FLX-038-204</td>
<td>Fitting #6 (M) JIC x 1/4 in (M) NPT</td>
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<td>FLE-FUL-200</td>
<td>Hose, Fuel, Supply/Return Kit w/Clamps</td>
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<td>FLE-FUL-100</td>
<td>Fitting, Fuel Line, Hose Barb x Compression</td>
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<td>7</td>
<td>WPX-310-646</td>
<td>Gauge, Adjustment, Electrode</td>
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<td>8</td>
<td>WPX-461-555</td>
<td>Bolt, Eye</td>
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<td>WPX-420-565</td>
<td>Pin, Eye Bolt</td>
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<td>10</td>
<td>WPX-363-618</td>
<td>Nut, Eye Bolt</td>
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<td>11</td>
<td>PLE-688-002-FRU</td>
<td>Valve, Ball Assembly</td>
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<td>12</td>
<td>WPX-265-53A</td>
<td>Chamber, Combustion</td>
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<td>FLX-131-280</td>
<td>Fitting, Elbow, #6 (M) JIC x 1/4 in (M) NPT</td>
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<td>14</td>
<td>WPE-905-834</td>
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## Heating Zone Plumbing

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<td>1</td>
<td>PLE-100-811</td>
<td>Pump, Circulation, Kit</td>
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<td>2</td>
<td>PLX-699-330</td>
<td>Fitting, 1/2 in Hose Barb x 1/2 in (M) NPT</td>
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<td>3</td>
<td>PLX-2A1-300</td>
<td>Valve, Check, 1/2 in (F) NPT</td>
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<td>4</td>
<td>PLE-100-500</td>
<td>Manifold, Zone Return</td>
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<td>PLX-A65-800</td>
<td>Fitting, Elbow 45°, 3/4 in Hose Barb x 1/2 in (M) NPT</td>
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<tr>
<td>Key</td>
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<td>Description</td>
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<td>1</td>
<td>PLX-105-810</td>
<td>Fitting, Bulkhead, 3/4 in (M) NPST x 1/2 in (F) NPT</td>
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<td>2</td>
<td>PLX-699-330</td>
<td>Fitting, 1/2 in Hose Barb x 1/2 in (M) NPT</td>
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<tr>
<td>3</td>
<td>PLE-100-811</td>
<td>Pump, Circulation, Kit</td>
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# Domestic Water Plumbing

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<td>Valve, Tempering</td>
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<td>Fitting, 90°, Elbow, Brass, 1/2” M, NPT</td>
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<td>PLX-803-000</td>
<td>Fitting, Straight 1/2 Pex x 1/2 (F) NPT PSF</td>
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<td>PLX-111-123</td>
<td>Valve, Pressure Relief</td>
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<td>PLX-0X1-07D</td>
<td>Fitting, tee, 1/2” NPT, Brass, Male, Female</td>
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<td>PLX-M10-1DA</td>
<td>Fitting, Tee, Forged, 1/2” Male NPT</td>
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## Electronic Controller and Switch Panel (AHE-100-03S Only)

![Diagram of Electronic Controller and Switch Panel](image)

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<th>Key</th>
<th>Part Number</th>
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<tr>
<td>1</td>
<td>SME-200-501</td>
<td>Faceplate, Electronic Controller, Assembly, Enclosure</td>
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<td>2</td>
<td>ELX-312-491</td>
<td>Plug, Electronic Controller, 20-Position</td>
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<tr>
<td>3</td>
<td>ELX-312-499</td>
<td>Plug, Electronic Controller, 8-Position</td>
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<td>4</td>
<td>ELE-PC4-010-AA</td>
<td>Controller, Electronic w/Time Delay, 12 VDC</td>
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<td>5</td>
<td>ELE-100-453</td>
<td>Harness, Control</td>
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<td>6</td>
<td>ELE-100-422</td>
<td>Harness, B-Plug</td>
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<td>SME-EN4-008</td>
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<td>ELE-000-507</td>
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<td>ELE-000-509</td>
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<td>ELX-283-284</td>
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<td>ELX-283-283</td>
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# Electrical Components, Internal (AHE-100-03S ONLY)

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<td>ELX-630-001</td>
<td>Relay, Electromechanical, 30 Amp</td>
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<td>ELE-630-001-FRU</td>
<td>Relay, Electromechanical Retrofit Kit</td>
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<td>ELE-ASY-300-FRU</td>
<td>Thermostat, High-Limit, VAC, Kit, w/Connector</td>
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<td>ELE-HLT-322</td>
<td>Thermostat, High-Limit, VDC</td>
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<td>ELE-014-005</td>
<td>Thermostat, Control, 185°F, 1/2 (M) NPT</td>
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<td>5</td>
<td>ELE-800-002</td>
<td>Switch, Float, Assembly</td>
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<td>Meter, Hour, Quartz</td>
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<td>SME-200-200</td>
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<td>ELX-2E7-540</td>
<td>Element, Heating, 120 VAC, 1650 Watts</td>
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<td>SME-200-301</td>
<td>Cover, Access, Heating Element.</td>
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* Originally a “white Solid State” relay was used for the Electric Element. If the heater has the original “White Solid State” relay, you must replace it with ELE-630-001-FRU. If the original “White Solid State” relay has already been replaced with the “Black Mechanical” relay, you may order just the Relay, ELX-630-001.
## Electronic Controller and Switch Panel (AHE-130-03X & AHE-120-03X ONLY)

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<td>Plug, Electronic Controller, 20-Position</td>
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<td>ELX-312-499</td>
<td>Plug, Electronic Controller, 8-Position</td>
</tr>
<tr>
<td>4</td>
<td>ELE-PC4-010-AA</td>
<td>Controller, Electronic w/Time Delay, 12 VDC</td>
</tr>
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<td>5</td>
<td>ELE-100-463</td>
<td>Harness, Control</td>
</tr>
<tr>
<td>6</td>
<td>ELE-100-422</td>
<td>Harness, B-Plug</td>
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<td>7</td>
<td>SME-EN4-008</td>
<td>Back, Electronic Controller, Enclosure</td>
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<td>8a</td>
<td>ELE-000-907</td>
<td>Panel, Switch, Assembly, 12 VDC (Discontinued)</td>
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<td>ELE-000-908</td>
<td>Panel, Switch, Assembly, 12 VDC</td>
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<tr>
<td>9a</td>
<td>ELX-283-284</td>
<td>Switch, Rocker, w/LED (Discontinued)</td>
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<td>9b</td>
<td>ELX-283-283</td>
<td>Switch, Rocker, w/LED</td>
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### Electrical Components, Internal (AHE-130-03X & AHE-120-03X ONLY)

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<td>ELE-630-000</td>
<td>Relay, Electromechanical Retrofit Kit</td>
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<td>1b</td>
<td>ELE-630-001</td>
<td>Relay, Electromechanical, 30 amp</td>
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<td>ELE-ASY-300-FRU</td>
<td>Thermostat, High-Limit, VAC, Kit, w/Connector</td>
</tr>
<tr>
<td>3</td>
<td>ELE-HLT-322</td>
<td>Thermostat, High-Limit, VDC</td>
</tr>
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<td>ELE-014-005</td>
<td>Thermostat, Control, 185°F, 1/2 (M) NPT</td>
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<td>ELE-800-002</td>
<td>Switch, Float, Assembly</td>
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<td>6</td>
<td>ELX-002-100</td>
<td>Meter, Hour, Quartz</td>
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<tr>
<td>7</td>
<td>SME-200-200</td>
<td>Cover, Access, Junction Box</td>
</tr>
<tr>
<td>8</td>
<td>ELX-G12-07L</td>
<td>Element, Heating, 120 VAC, 2000 Watts</td>
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<td>SME-200-301</td>
<td>Cover, Access, Heating Element.</td>
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<td>10a</td>
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<td>Element, Heating 120 VAC, 2000 Watts (AHE-130-03X ONLY)</td>
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<tr>
<td>10b</td>
<td>ELX-2E7-600</td>
<td>Element, Heating 240 VAC, 4500 Watt (AHE-120-03X ONLY)</td>
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</tbody>
</table>

* Originally a “white Solid State” relay was used for the Electric Element. If the heater has the original “White Solid State” relay, you must replace it with ELE-630-001-FRU. If the original “White Solid State” relay has already been replaced with the “Black Mechanical” relay, you may order just the Relay, ELX-630-001.
### Misc. Parts

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<th>Key</th>
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<td>Antifreeze, Boiler, P.G., 1 qt, Concentrate, (Camco)</td>
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<td>MSX-300-270</td>
<td>Antifreeze, Boiler, P.G, 1 Gallon (Camco)</td>
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<td>FLX-R12-TRA</td>
<td>Filter, Fuel, Racor Spin-On, 10 Micron</td>
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<td>FLE-120-100</td>
<td>Filter, Canister, Replacement, Garber</td>
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<td>FLX-120-000</td>
<td>Filter, Fuel, Garber</td>
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<td>6</td>
<td>WPX-265-53A</td>
<td>Combustion Chamber, DBW 2010</td>
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<td>7</td>
<td>WPX-302-651</td>
<td>Air Swirler, DBW 2010</td>
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<td>8</td>
<td>WPX-303-050</td>
<td>Tube, Combustion Chamber, DBW 2010</td>
</tr>
<tr>
<td>9</td>
<td>PLX-102-229</td>
<td>Cap, Radiator, 13 lb</td>
</tr>
<tr>
<td>10</td>
<td>PLE-GAS-FLL</td>
<td>Gasket, Rubber, Filler Neck</td>
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Tools

<table>
<thead>
<tr>
<th>Key</th>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
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<tr>
<td>1</td>
<td>WPX-440-280</td>
<td>Tester, Controller</td>
</tr>
<tr>
<td>2</td>
<td>WPE-600-190</td>
<td>Gauge, Fuel Pressure</td>
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<tr>
<td>3</td>
<td>MSX-907-162</td>
<td>Tester, Refractometer, Battery/Coolant</td>
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<td>4</td>
<td>WPX-310-646</td>
<td>Gauge, Adjustment, Electrode</td>
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</tbody>
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PARTS MANUAL

Model Numbers:

AHE-100-03S - 12 VDC
AHE-120-03X - 12 VDC
AHE-130-03X - 12 VDC

(SN: 03-675 TO 04-533)