HEATER KIT

P/N 2882753

APPLICATION
Verify accessory fitment at Polaris.com.

BEFORE YOU BEGIN
Read these instructions and check to be sure all parts and tools are accounted for. Please retain these installation instructions for future reference and parts ordering information.

KIT CONTENTS
This Kit includes:

<table>
<thead>
<tr>
<th>REF</th>
<th>QTY</th>
<th>PART DESCRIPTION</th>
<th>PART NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
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<td>Core, Heater</td>
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<tr>
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<td>Duct Assembly, LH Outboard Dash and LH Defrost</td>
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<td>7</td>
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<td>8</td>
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<td>Vent, Rectangular (Defrost)</td>
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<td>Clamp, Hose, Springband - 27/12 (Green)</td>
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<td>Hose, 3–Way Valve Outlet to Heater Core Inlet</td>
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<td>25</td>
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<td>Hose, 3–Way Valve Outlet to Engine Water Pump Inlet</td>
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<td>Hose, Engine Oil Cooler Outlet to 3–Way Valve Inlet</td>
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<tr>
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<td>1</td>
<td>Instructions</td>
<td>9927919</td>
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TOOLS REQUIRED

• Safety Goggles
• Drill
• Drill Bit: 1/4 inch (6 mm)
• Drain Pan
• Hole Saw: 1-1/4 inch (32 mm), 2-1/2 inch (64 mm)
• Pliers, Hose Pinch-Off (three required)
• Pliers, Slip Joint
• Pliers, Side Cutting
• Pliers, Push Pin Rivet
• Cutting Tool
• Screwdriver Set, Torx®
• Socket Set, Metric
• Socket Set, SAE

CONSUMABLES REQUIRED

• Antifreeze, POLARIS 50/50 Premix, 2-4 quarts
• Gloves, Chemical Resistant
• Tape, Thread Sealing

IMPORTANT

Your Heater Kit is exclusively designed for your vehicle. Please read the installation instructions thoroughly before beginning. Installation is easier if the vehicle is clean and free of debris. For your safety, and to ensure a satisfactory installation, perform all installation steps correctly in the sequence shown.
### HARNESS DETAIL

#### SWITCH PANEL ②:

<table>
<thead>
<tr>
<th>REF</th>
<th>PART DESCRIPTION</th>
<th>WIRE COLOR</th>
<th>PIN QTY/ GENDER</th>
<th>CONNECTS TO</th>
</tr>
</thead>
<tbody>
<tr>
<td>2A</td>
<td>Connector, Temperature Control</td>
<td>-</td>
<td>3 male</td>
<td>Heater harness ③, connector 33F</td>
</tr>
<tr>
<td>2B</td>
<td>Connector, Blower Control</td>
<td>-</td>
<td>5 male</td>
<td>Heater harness ③, connector 33G</td>
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</table>

### HEATER HARNESS ③:

<table>
<thead>
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<th>REF</th>
<th>PART DESCRIPTION</th>
<th>WIRE COLOR</th>
<th>PIN QTY/ GENDER</th>
<th>CONNECTS TO</th>
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<tr>
<td>33A</td>
<td>Relay/Fuse Block</td>
<td>-</td>
<td>-</td>
<td>Vehicle structure</td>
</tr>
<tr>
<td>33B</td>
<td>Grommet</td>
<td>-</td>
<td>-</td>
<td>Vehicle structure</td>
</tr>
<tr>
<td>33C</td>
<td>Electrical Tape, White (7 places)</td>
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<td>-</td>
<td>Nothing; identifies locations where harness is secured using cable ties ②</td>
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<tr>
<td>33D</td>
<td>Connector, 3–Way Valve</td>
<td>-</td>
<td>6 female</td>
<td>3–way valve assembly ②</td>
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<tr>
<td>33E</td>
<td>Connector, Blower Motor</td>
<td>-</td>
<td>4 female</td>
<td>Heater core ①</td>
</tr>
<tr>
<td>33F</td>
<td>Connector, Temperature Control</td>
<td>-</td>
<td>3 female</td>
<td>Switch panel ③, connector 2A</td>
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<tr>
<td>33G</td>
<td>Connector, Blower Control</td>
<td>-</td>
<td>5 female</td>
<td>Switch panel ③, connector 2B</td>
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<tr>
<td>33H</td>
<td>Connector, Terminal Block</td>
<td>-</td>
<td>3 female</td>
<td>Vehicle terminal block</td>
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COOLANT FLOW DETAIL

Coolant flow through the installed heater core is shown.

- **Heater OFF**: Coolant flows from oil cooler A through union 27 and hose 26 into LH side of valve 29. Coolant passes straight through valve and out RH side, then flows through hose 25 back to water pump B. No coolant flows through hose 24, hose 23, or core 1.

- **Heater ON**: Coolant flows from oil cooler A through union 27 and hose 26 into LH side of valve 29. Coolant is diverted out bottom of valve, then flows through hose 24 to core 1, through core and out hose 23, then back to water pump B. No coolant flows through hose 25.

INSTALLATION INSTRUCTIONS

PREPARE VEHICLE FOR INSTALLATION

<table>
<thead>
<tr>
<th>NOTE</th>
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<tbody>
<tr>
<td>Polaris recommends two people assemble and install this kit.</td>
</tr>
</tbody>
</table>

1. Shift vehicle transmission into “PARK”. Turn ignition switch to “OFF” position and remove key.

2. Flip up passenger seat bottom (CREW: right rear passenger seat bottom) and remove underseat storage compartment. Disconnect black negative (-) cable from battery.

   CREW: Also remove left rear passenger seat bottom and underseat storage compartment.

3. Raise vehicle bed.

4. Remove hood.

5. If windshield is installed, remove or open (as applicable) to gain access to upper dash.

**WARNING**

Ensure red positive (+) battery terminal is COMPLETELY COVERED by protective boot. Accidental tool contact across both battery terminals will result in high current electrical arc, and may result in battery explosion. Death or serious personal injury may occur.
6. Remove upper dash cupholder by removing two push pin rivets A, then slide cupholder rearward. Retain rivets.

7. Tilt steering wheel to full down position. Detach instrument cluster hood by removing two push pin rivets B, then slide hood (and instrument cluster) rearward. Disconnect instrument cluster wiring harness. Retain rivets.

8. Open door to upper storage compartment. Remove four screws C from forward wall of compartment, then remove compartment/door assembly from dash. Retain screws.

9. Remove upper dash.
   a. Remove six push pin rivets D along forward edge of dash.
   b. Remove five push pin rivets E from LH side of dash: two at center cupholder, two at instrument cluster, and one on underside of dash above cupholder.
   c. Remove three push pin rivets F from RH side of dash: two inside upper storage area and one on underside of dash above cupholder.
   d. Remove upper dash from vehicle.
10. Remove control panel.
   a. Remove two push pin rivets (G) from lower face of control panel. Retain rivets.
   b. Rotate bottom of control panel rearward, disengaging two side tabs (H), then drop two upper tabs (J) out of slots in main dash panel.
   c. Label and disconnect electrical harnesses from switches, sockets, or other devices in control panel.

11. Remove lower storage compartment by removing six push pin rivets (K). Retain rivets. Storage compartment will not be reinstalled.

12. Remove lower dash by removing seven screws (L) and four (high-low thread) screws (M).

13. Remove four push pin rivets (N) from each side of center floor console, and two push pin rivets (P) from interior of underseat storage compartment. Lift back of console, disengage tab from front, then remove console from vehicle. Retain rivets.

   CREW: Also remove rear center floor console. Push pin rivet locations similar to front center floor console.
INSTALL HEATER CORE

1. Remove two screws A, then remove dash support bracket B. Also remove screw C. Retain any two screws; the remaining screw will not be reused.

2. Insert two tabs D on lower edge of manifold 3 into slots on front side of core 1, then secure top edge of manifold to core using two screws 9. Tighten screws.

3. Install RH duct assembly 13 to outlet on RH end of manifold 3 until duct contacts stop on manifold. Secure to manifold using cable tie 32.

4. Cut out three marked openings in firewall:
   - Two vertical slots E for heater core mounting stud
   - One figure-eight shaped opening F for heater core hose fittings 14 and 15
   - One circular opening G for grommet 33B on heater harness 33; use 1–1/4 inch (32 mm) hole saw centered on marked outline; drilled opening will be LARGER than marked outline
   - Debur openings.

   IMPORTANT
   Control cutting depth to prevent damage to underlying structure or components.

5. Lift heater core assembly 1 into position beneath dash, inserting two front studs H through vertical slots E in firewall. Loosely install two each washers 16 and nuts 17.

   NOTE
   Heater core hose fittings not shown; fittings may be pre-installed.
6. Install core mounting bracket 11 over heater core upper studs 10, then install bracket to firewall structure using two screws 12. Tighten screws.

7. Secure heater core upper studs 1 to core mounting bracket 11 using two nuts 12. Tighten nuts.

8. Tighten two firewall nuts 13 installed in Step 5 of this section.

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**INSTALL HARNESS**

<table>
<thead>
<tr>
<th>NOTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>See previous section, HARNESS DETAIL, for connector identification.</td>
</tr>
</tbody>
</table>

1. Route all connectors on heater harness 33, EXCEPT relay/fuse block connector 33A and terminal block connector 33H, rearward through firewall grommet A into upper dash compartment.

<table>
<thead>
<tr>
<th>NOTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grommet may be temporarily removed to facilitate harness passage.</td>
</tr>
</tbody>
</table>

2. Drill out one accessory plug (1/4 inch / 6 mm) on under-hood liner, forward of air intake ducts, then install relay/fuse block 33A using attached fir tree clip.

<table>
<thead>
<tr>
<th>IMPORTANT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Control drill depth to prevent damage to underlying structure or components.</td>
</tr>
</tbody>
</table>

3. Open power cap on vehicle terminal block at any open location, then plug in connector 33H.

4. Route connectors 33F and 33G rearwards towards control panel opening for later connection to switch panel 2.
5. Route connector 33E downward, then join to connector ⑥ exiting LH side of heater core ①.

6. Route 3–way valve connector 33D forward through firewall hole ⑥ drilled in previous section, INSTALL HEATER CORE, Step 4c, then install grommet 33B in hole.

   Secure with two cable ties ⑨ at (or near) white tape locations 33C to prevent contact with hot components, sharp edges, or moving parts.

   **NOTE**
   Slide grommet down harness as required. Any excess harness length will be secured at 3–way valve assembly ⑨.

7. Route connector 33D forward to chassis support structure, downwards towards center floor tunnel, then rearward into tunnel.

   Secure with cable tie ⑩ at (or near) white tape location 33C to prevent contact with hot components, sharp edges, or moving parts.

8. Continue routing connector 33D rearward through tunnel along battery cables.

   Secure harness to battery cable(s) using four cable ties ⑨ at (or near) white tape locations 33C to prevent contact with hot components, sharp edges, or moving parts.

   **NOTE**
   Connector 33D will be joined to 3–way valve assembly ⑨ in a later section.

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**Non-crew vehicle:**

**Crew vehicle:**
INSTALL DUCT ASSEMBLIES

1. Upper Dash Panel: Cut one rectangular defrost opening A along INSIDE EDGE of recessed markings. Repeat for opposite side of panel. Debur openings.

<table>
<thead>
<tr>
<th>NOTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>LH side shown; RH side similar.</td>
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<table>
<thead>
<tr>
<th>CAUTION</th>
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</thead>
<tbody>
<tr>
<td>All six round vent openings MUST be cut using 2-1/2 inch (64 mm) hole saw. Do NOT cut on recessed markings. Cutting on recessed markings will result in excessively large opening and inability to install vent.</td>
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</tbody>
</table>

2. Upper Dash Panel: Cut two round vent openings B using 2-1/2 inch (64 mm) hole saw, centered on existing markings. Do NOT cut on recessed markings. Repeat for opposite side of panel.

3. Lower Dash Panel: Cut two round vent openings C using 2-1/2 inch (64 mm) hole saw, centered on existing markings. Do NOT cut on recessed markings.

4. Install duct assembly 5 to SECOND outlet on manifold (counting from LH to RH side) until duct contacts stop on manifold. Secure duct to manifold using cable tie 3.

5. Install duct assembly 6 to FIRST outlet on manifold until duct contacts stop on manifold. Secure duct to manifold using cable tie 2.

6. Install duct assembly 4 to THIRD outlet on manifold until duct contacts stop on manifold. Secure duct to manifold using cable tie 2.
7. Reinstall dash support bracket E removed in previous section, **INSTALL HEATER CORE**, Step 1, using two retained screws F. Tighten screws.

8. Install lower dash and footwell vents.
   a. Disassemble two round vents 7 by unscrewing vent outlet from vent body.
   b. Attach vent body to lower branch of RH duct 13 using cable tie 3. Repeat for LH duct 6.
   c. Reinstall lower dash using seven retained screws F and four (high-low thread) screws 6.

9. Install upper dash and vents.
   a. Disassemble four round vents 7 by unscrewing vent outlet from vent body.
   b. Attach all four vent bodies to ROUND (rear-facing) branches of ducts 4, 5, 6, and 8 using cable ties 3.
   c. Holding upper dash into position, push LH defroster duct 5 up through upper dash. Install rectangular vent 8, secure vent to duct using cable tie 9, then snap vent into dash opening. Repeat for RH side using RH defroster duct 4.
   d. Insert each of the four round vent bodies (with attached duct) into its corresponding dash opening, then thread vent outlet back onto vent body.

INSTALL CONTROL PANEL

1. Carefully cut out marked rectangular area A from control panel (visible on inside of panel). Debur opening.

![Diagram of control panel with marked area A]

2. Orient switch panel ① so blower control is on LH side and temperature control is on RH side, then install into opening until tabs lock in place.

![Diagram of switch panel with orientation marked]

3. Join temperature control connector 2A on switch panel ① to connector 33F on heater harness ③.

4. Join blower control connector 2B on switch panel ② to connector 33G on heater harness ②.

5. Reconnect electrical harnesses disconnected in previous section PREPARE VEHICLE FOR INSTALLATION, Step 10, then reinstall control panel using two retained rivets ⑥.

INSTALL COOLING SYSTEM COMPONENTS

**WARNING**

Ensure red positive (+) battery terminal is COMPLETELY COVERED by protective boot. Accidental tool contact across both battery terminals will result in high current electrical arc, and may result in battery explosion. Death or serious personal injury may occur.

**WARNING**

Always wear safety goggles and proper shop clothing when performing this procedure. Failure to do so may result in severe injury or death.

**WARNING**

Ensure engine is COOL before performing the following steps. Hot cooling system will be pressurized, and opening system may result in uncontrolled release of hot coolant, resulting in severe burns or other injuries.

**NOTE**

See previous section, COOLANT FLOW DETAIL, for additional information.

1. If heater core hose fittings are pre-installed, then proceed to Step 2. Otherwise, install fittings as follows:

   a. At front right wheel well, remove two plugs from heater core fitting bores.

   b. Apply thread sealing tape (not included) to 1/2 inch hose fitting ⑤, then install into LH (driver side) bore. This is the COLD (outlet).

![Diagram of heater core hose fittings installation]

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c. Apply thread sealing tape (not included) to 3/4 inch hose fitting 8, then install into RH (passenger side) bore. This is the HOT (inlet).

b. Install valve mount bracket 3 (with pre-installed 3-way valve assembly 2) to seat support structure using two screws 30. Tighten screws.

<table>
<thead>
<tr>
<th>NOTE</th>
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</thead>
<tbody>
<tr>
<td>Valve mount bracket 3 is mounted on REAR side of battery tray bracket J as shown. Valve mount bracket has additional fastener hole on LH side; hole is unused for this application.</td>
</tr>
</tbody>
</table>

d. Tighten both fittings as required to prevent leaks. Do NOT over-tighten fittings.

d. Remove four push pin rivets A and two screws B from RH (CREW: right front) floor liner.

2. Remove four push pin rivets A and two screws B from RH (CREW: right front) floor liner.


**RANGER XP® 1000**

a. Remove screws C and D from driver seat support structure. Screws will not be reused.

c. Join 3–way valve connector 33D on heater harness 33D to valve assembly 2.

Secure any excess harness length at valve with cable ties 39 to prevent contact with hot components, sharp edges, or moving parts.
RANGER CREW® XP 1000

a. Remove screw C from driver seat support structure. Screw will not be reused.

b. Install valve mount bracket 31 (with pre-installed 3-way valve assembly 29) to seat support structure using screw 30, screw 35, and washer 36. Tighten screws.

c. Join 3-way valve connector 33D on heater harness 33 to valve assembly 29. Secure any excess harness length at valve with cable ties 32 to prevent contact with hot components, sharp edges, or moving parts.

4. Install COLD RETURN heater hose to heater core outlet.

a. Assemble tee fitting 23 to one end of short hose 32 using clamp 18.

b. Slip second clamp 18 over opposite end of hose 23, then install hose to 1/2 inch hose fitting 15. Do not clamp hose to fitting at this time to allow hose assembly to rotate into proper position.

NOTE

Washer is used as spacer. Insert between valve mount bracket 31 and diagonal seat support bracket K as shown. Valve mount bracket has additional fastener hole on LH side; hole is unused for this application.
c. Hold tee fitting 20 against existing cold hose, rotating new hose 23 on fitting 21 as required to relieve twist.

Mark two cut lines on cold hose, approximately 1 inch (25 mm) apart, as shown.

d. Using two pinch-off pliers, clamp existing cold hose approximately 3 inches from each mark to prevent excess coolant loss.

e. Place drain pan beneath work area, then cut existing cold hose at two marks. Discard 1 inch hose segment between marks.

f. Install tee fitting 20 between cut ends of cold hose using two clamps 21. Ensure clamp orientation will not chafe against vehicle components.

g. Move clamp 19 into final position on fitting 15.

h. Temporarily install 3rd hose pinch-off pliers on hose 23 between hose fitting 15 and tee fitting 20 to prevent core from filling with coolant.

i. Remove two pinch-off pliers from each side of tee fitting 20.

5. Install HOT SUPPLY heater hose between heater core inlet and 3–way valve.

a. Install one end of hose 24 to 3/4 inch hose fitting 14 using clamp 19. Ensure clamp orientation will not chafe against vehicle components.

b. Route opposite end of hose 24 downward and rearward into center console following existing coolant lines.

Ensure the following:

- Hose cannot chafe against vehicle components or contact moving parts, taking into consideration suspension travel and steering operation
- Hose is not kinked at any point along its length

**NOTE**

View looking forward. Non-crew vehicle shown; crew vehicle similar. RH floor liner hidden for clarity.

c. Secure hose 24 to existing coolant line bracket at front end of center console using routing clip 22.

d. Route hose up along seat structure and over intake ducting to 3–way valve 25. Cut hose 24 to required length, then secure to BOTTOM of 3–way valve 25 using clamp 18.

6. Install COLD RETURN heater hose between 3–way valve and engine

a. Place drain pan beneath engine water pump (forward RH corner of engine).
b. Locate existing 1/2 inch diameter coolant hose connecting oil cooler outlet \(E\) to water pump inlet \(F\).

c. Use two hose pinch-off pliers to clamp existing hose approximately 3 inches from each side of cut location \(G\), then cut hose. Do not remove either hose segment at this time.

d. Secure hose \(\circ\) to RIGHT (PASSENGER) SIDE of 3–way valve \(2\) using clamp \(1\).

e. Route opposite end of hose \(\circ\) across air intake ducting, down seat structure, then rearward along OUTSIDE of vehicle frame \(H\) to water pump inlet \(F\).

Ensure the following:
- Hose cannot chafe against vehicle components or contact moving parts
- Hose cannot make contact with hot engine or exhaust components
- Hose is not kinked at any point along its length

f. Trim hose \(\circ\) to proper length for connection to water pump inlet \(F\).

g. Remove existing hose segment (along with one pinch-off pliers) from water pump inlet \(F\), then immediately secure trimmed hose \(\circ\) to water pump inlet using new clamp \(\circ\). Discard hose segment and old clamp.

**TIP**

Coolant will flow from water pump inlet fitting when clamped coolant hose is removed. To minimize coolant loss ensure heater hose and hose clamp are ready for installation.

7. Install HOT SUPPLY heater hose between 3–way valve and engine

   a. Secure hose \(\circ\) to LEFT (DRIVER) SIDE of 3–way valve \(2\) using clamp \(1\).

**NOTE**

View looking rearward.
Non-crew vehicle shown; crew vehicle similar.
RH floor liner hidden for clarity.
b. Route opposite end of hose \( \text{\textcircled{2}} \) across air intake ducting, down seat structure, then rearward along OUTSIDE of vehicle frame \( \text{\textcircled{3}} \) towards oil cooler outlet \( \text{\textcircled{4}} \).

Ensure the following:
- Hose cannot chafe against vehicle components or contact moving parts
- Hose cannot make contact with hot engine or exhaust components
- Hose is not kinked at any point along its length

c. Trim hose \( \text{\textcircled{2}} \) to proper length for connection to existing oil cooler outlet hose.

d. Join trimmed hose \( \text{\textcircled{2}} \) to existing oil cooler outlet hose using union fitting \( \text{\textcircled{1}} \) and two clamps \( \text{\textcircled{3}} \).

**IMPORTANT**
Short formed segment of existing oil cooler outlet hose must remain attached to oil cooler to prevent hose contact with exhaust components. Do NOT attach heater hose \( \text{\textcircled{2}} \) directly to oil cooler.

**NOTE**
Fitting included in universal splice kit along with other parts not needed for heater installation.

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8. Remove hose pinch-off pliers near oil cooler outlet \( \text{\textcircled{1}} \) and pinch-off pliers on hose \( \text{\textcircled{2}} \) between hose fitting \( \text{\textcircled{1}} \) and tee fitting \( \text{\textcircled{2}} \) (see Step 4).

**IMPORTANT**
No pinch-off pliers should remain installed.

9. Secure all hoses using cable ties \( \text{\textcircled{3}} \) to prevent contact with hot components, sharp edges, or moving parts.

10. Properly dispose of any drained coolant per local and/or state regulations.

### PREPARE VEHICLE TO BLEED COOLING SYSTEM

1. Reinstall upper storage compartment, instrument cluster/hood, and upper dash cupholder. See previous section *PREPARE VEHICLE FOR INSTALLATION*, Steps 6–8.

2. Reconnect black negative (-) cable to battery, then reinstall under-seat storage compartment and driver’s seat.

### BLEED COOLING SYSTEM

**WARNING**
Always wear safety goggles and proper shop clothing when performing this procedure. Failure to do so may result in severe injury or death.

**WARNING**
Follow all chemical manufacturer instructions and safety precautions. Failure to follow all manufacturer instructions and precautions may result in severe injury or death.

**NOTE**
It is suggested two people perform this procedure: one to fill radiator, and one to monitor bleed screw.

1. Allow engine to cool to room temperature.

**WARNING**
Do NOT remove radiator pressure cap when system is hot. Hot cooling system will be pressurized, and opening system will result in uncontrolled release of hot coolant, resulting in severe burns or other injuries.

2. Place drain pan beneath forward side of engine.
3. Remove recovery bottle cap A and radiator pressure cap B. Fill recovery bottle to MAX COLD line and radiator to filler neck with Polaris Antifreeze 50/50 Pre-Mix.

4. Open heater core valve.
   a. Turn ignition key to ON position. Do NOT start engine.
   b. Turn heater temperature control to full HOT. Wait 10 seconds.
   c. Turn ignition key to OFF position.

5. Using 5/16 inch socket, loosen bleed screw C at front of engine until escaping air can be heard (approximately 2 full turns). Do NOT remove bleed screw.

6. Add Polaris Antifreeze 50/50 Pre-Mix to radiator as coolant fills heater system. Stop filling when a steady stream of coolant drains from bleed screw C.

7. Close bleed screw C and torque to specification.

8. Fill radiator to filler neck and reinstall pressure cap B.

9. Fill recovery bottle to MAX COLD line and reinstall cap A.

**WARNING**

Do NOT remove radiator pressure cap when system is hot. Hot cooling system will be pressurized, and opening system will result in uncontrolled release of hot coolant, resulting in severe burns or other injuries.

10. Start engine, leaving temperature control at full hot and turning heater fan to high speed. Allow engine to idle until radiator fan has cycled two times.

While engine is warming up perform the following steps:
   a. Inspect system for leaks. Repair leaks as required, allowing engine to cool to room temperature before opening system.
   b. Monitor engine/coolant temperature. If temperature exceeds 215° F. then immediately shut off engine, allow engine to cool to room temperature, and re-bleed system.
   c. Monitor coolant level in recovery bottle. Add coolant as required.

**NOTE**

If leaks are present cooling system may not draw coolant from recovery tank.

11. Test heater operation. If inadequate heat is present allow engine to cool to room temperature, then re-bleed system.

**TIP**

Before re-bleeding properly lift and safely support vehicle so front of vehicle is 12-18 inches higher than rear of vehicle. Elevation will increase effectiveness of bleed process.

12. Allow engine to cool to room temperature.

**WARNING**

Do NOT remove radiator pressure cap when system is hot. Hot cooling system will be pressurized, and opening system will result in uncontrolled release of hot coolant, resulting in severe burns or other injuries.
13. Remove recovery bottle cap A and radiator pressure cap B, then fill recovery bottle to MAX COLD line and radiator to filler neck. Reinstall caps.
Periodically check coolant level during first few hours of operation.
14. Properly dispose of any drained coolant per local and/or state regulations.

RESTORE VEHICLE TO OPERATIONAL CONDITION

1. Reinstall RH floor liner. See previous section INSTALL COOLING SYSTEM COMPONENTS, Step 2.

2. Reinstall center floor console. See previous section PREPARE VEHICLE FOR INSTALLATION, Step 13.

3. Install lower storage compartment cover 34 by inserting two lower tabs into dash panel, then secure using two retained push pin rivets A.

4. Reinstall or close windshield (if applicable).
5. Reinstall hood, and lower vehicle bed.

FEEDBACK FORM
A feedback form has been created for the installer to provide any comments, questions or concerns about the installation instructions. The form is viewable on mobile devices by scanning the QR code or by clicking HERE if viewing on a PC.