### Installation Instructions

#### Description

_CARRIER TRANSICOLD PROVIDES CIRCLED ITEM NUMBERS AS PART OF THE INSTALLATION KIT FURNISHED WITH EACH FUEL TANK ASSY._

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#### Table of Dimensions

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Dimensions</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><em>ASSEMBLY WITH STRAPS</em></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><em>W/O ELECTRIC FUEL PUMP</em></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><em>&amp; DATALINK SENSOR INSTALLATION KIT</em></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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#### Drawings

- **Title**: INSTALLATION INSTRUCTIONS
- **Drawing No.**: 98-02201
- **Sheet**: Sheet 1 of 7

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#### Notes

1. **NOTE**: CARRIER TRANSICOLD PROVIDES CIRCLED ITEM NUMBERS AS PART OF THE INSTALLATION KIT FURNISHED WITH EACH FUEL TANK ASSY.

2. **CONSULT CARRIER TRANSICOLD SERVICE ENGINEERING FOR PROPER INSTALLATION OF THE INSTALLATION KIT FURNISHED WITH EACH FUEL TANK ASSY. AND TRAILER I-BEAMS.**

3. **FOR SECURING THE FUEL PUMP CABLE. ROUTING OF THE CABLE MAY BE ALIGNED WITH THE 1/4 INCH O.D. FUEL LINE THRU GROMMETS PROVIDED.**

4. **PASS THE TUBES, BOTH SUPPLY & RETURN, THROUGH THE FITTING AND -THRU FREE SPACE IN SUCH A MANNER AS TO PREVENT PHYSICAL IMPEDANCE.**

5. **RECOMMENDED TORQUE VALUES FOR FURNISHED LOCK NUTS ARE AS SHOWN TO PREVENT TANK DAMAGE.**

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#### Continued on Sheet 2.
## Installation Instructions

**CTD Fuel Tank Installation Kit**

**Part Number:**
- W/ Electric Fuel Pump & Data Link Sensor
- W/O Electric Fuel Pump & Datalink Sensor
- Assy. with Straps & Datalink Port

<table>
<thead>
<tr>
<th>U.S. Gal (Nominal)</th>
<th>A (Inches)</th>
<th>B (Inches)</th>
<th>C (Inches)</th>
<th>D (Inches)</th>
<th>Drain Location</th>
<th>Fill Type</th>
<th>Dry Weight (Lbs.)</th>
<th>Tank Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>30</td>
<td>22.69</td>
<td>24.19</td>
<td>14.00</td>
<td>68</td>
<td>Bottom</td>
<td>Single</td>
<td>197</td>
<td>Aluminum</td>
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<tr>
<td>50</td>
<td>35.62</td>
<td>37.12</td>
<td>18.00</td>
<td>72</td>
<td>Single</td>
<td>Single</td>
<td>288</td>
<td>Single</td>
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<tr>
<td>75</td>
<td>46.75</td>
<td>48.25</td>
<td>26.00</td>
<td>114</td>
<td>Single</td>
<td>Single</td>
<td>345</td>
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</tr>
<tr>
<td>100</td>
<td>57.88</td>
<td>60.55</td>
<td>30.05</td>
<td>177</td>
<td>Single</td>
<td>Single</td>
<td>430</td>
<td>Single</td>
</tr>
<tr>
<td>120</td>
<td>68.88</td>
<td>71.55</td>
<td>33.55</td>
<td>197</td>
<td>Double</td>
<td>Double</td>
<td>510</td>
<td>Double</td>
</tr>
</tbody>
</table>

**Dimensions:**
- All dimensions are in inches with metric conversions in millimeters.

**Notes:**
- Imperial inch format unless otherwise specified.
- Dimensions are in inches with metric conversions in millimeters.
- Drain location and fill type may vary.
- Dry weight and tank material are provided for each model.

**Drawing Information:**
- 98-02201
- Redrawn in Pro/E 21 Mar 13
- ZMG 72N0229P13

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**Carrier Corp.**
- Syracuse, New York 13221
- P.O. Box 4805

**Carrier Transicold Division**
- A United Technologies Company
BRACKETS FOR 75, 100, 120 GALLON TANKS ONLY

NOTE: ADD GASKET SUPPLIED WITH STRAP PACKAGE PRIOR TO MOUNTING STRAP TO TANK.

INSTALL GASKET MATERIAL TO INSIDE OF TANK STRAP AS SHOWN.

VIEW FROM FRONT

IMPERIAL INCH FORMAT:
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES WITH METRIC CONVERSIONS IN MILLIMETERS
TYPICAL TANK ARRANGEMENT

(3) PCS.
WITH ELECTRIC FUEL PUMP

(2) PCS.
WITHOUT ELECTRIC FUEL PUMP

(28) PCS.
12.00 (305) MIN TO MEET PIGGYBACK REQUIREMENTS

SEE SHT. 5

3/4 (19) DIA, 14 HOLES FOR FUEL LINE AND FUEL PUMP CABLE GROMMETS. SEE NOTES 6 & 7
VIEW A - A (SHT 4)
FOR KITS WITH ELECTRIC FUEL PUMP

ELECTRIC FUEL PUMP CABLE CONNECTIONS
AT REEFER UNIT CONTROL BOX

VIEW A - A (SHT 4)
FOR KITS WITHOUT ELECTRIC FUEL PUMP

SUPPLY FROM FUEL PUMP TO UNIT
(3/8 O.D. RED)

RETURN FROM UNIT
(1/4 O.D. BLACK)

RED WIRE

BLACK WIRE

WHITE WIRE FROM UNIT

METRIC CONVERSIONS IN [MILLIMETERS]

EXISTING BUTT CONNECTORS ON WIRES
ON USE ITEM #2 IF WIRES ARE FRAMED.

COVER BUTT CONNECTORS WITH HEAT
SHRINK TUBE AFTER WIRE CONNECTIONS.

USE WIRE TIE TO MAINTAIN
NEATNESS OF WIRE BUNDLE

FROM REEFER CONTROL BOX

TO FUEL PUMP

SUPPLY FROM TANK TO MECH. FUEL PUMP
(3/8 O.D. RED)

RETURN FROM UNIT
(1/4 O.D. BLACK)

RED WIRE

BLACK WIRE

WHITE WIRE

SUPPLY FROM FUEL PUMP TO UNIT
(3/8 O.D. RED)

RETURN FROM UNIT
(1/4 O.D. BLACK)

RED WIRE

BLACK WIRE

WHITE WIRE

SUPPLY FROM TANK TO ELECT. FUEL PUMP
(3/8 O.D. RED)

RETURN FROM UNIT
(1/4 O.D. BLACK)

RED WIRE

BLACK WIRE

WHITE WIRE
ORIENT FUEL TANK VENT BARBED FITTING TO FACE TOWARDS REAR TRAILER DOOR.
CUT 18.00 INCHES OF 3/8 FUEL LINE AND INSTALL ONTO VENT THEN ROUTE TO TANK STRAP BOLT AND SECURE TO BOLT WITH WIRE TIE.

TYPICAL ALL TANK SIZES

30 GALLON TANK

50 GALLON TANK

VENT ORIENTATION DETAIL

HANGER BRACKET DETAIL