SUPPLEMENTARY INSTALLATION INSTRUCTION FOR GCMCMH
ROSTRA'S ULTRACRUISE II

Date: October 17 1999    Reference: Rostra Form #2784 (Installation & Owner's Manual)

STEP 1: Throttle Cable Set-up (Two Bead Connector & Extension Bracket w/Snap-In Adapter)

A) Cut & bend Extension Bracket for use of Square Hole inboard of OEM square hole Accelerator cable mount. Attach (Rivet, weld or bolt) Ext. Bracket onto OEM Throttle Cable bracket next to & inboard of OEM Square hole. Similar to Fig 22 only new cable is inside position & OEM Accelerator cable is outboard position. Alternate: Bracket w/corner braces (90 deg) to carb. mounting bolts (remove excess bracket material @ square hole).

B) Attach “Two Bead Connector” (Fig 7) w/bead chain connector & cover. Note: Bead chain w/OEM Throttle connector (Metal Only) may be used.

C) Thread 1/4-20 nut onto Cable assemble approximately 2” of total thread (Fig 19 & 20)

D) Install Snap-On Adapter onto cable & adjust for approximate length required to fit Carburetor Cruise Control Shaft. Note: Don’t snap into bracket at this time.

Step II: Signal Generator Installation

A) Disconnect Speedometer Cables (2) from OEM Cruise Control Sensor. Remove OEM Cruise Control Sensor, Vacuum actuator unit & Vacuum tubing (plug/seal vacuum tubing).

B) Route T-mission Cable inboard with large loop of cable end toward Port side (outboard). Attach cable to Signal Generator’s small black male threaded fitting (use small o-ring).

C) Route cable to speedometer outboard with large cable loop in front of Vertical Step section. Attach to large black male threaded fitting using large o-ring (if included).

Step III: Actuator Assembly (AA) Program Switch Setting (ref. pp 7)

A) Remove the rubber cover (rectangular) from AA & view Switches/LED.

B) Set Programming Switches (10) as follows: (2, 7 & 9 switch is On)

<table>
<thead>
<tr>
<th>Sw# 1</th>
<th>Off</th>
<th>Sw# 6</th>
<th>Off</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sw# 2</td>
<td>On</td>
<td>Sw# 7</td>
<td>On</td>
</tr>
<tr>
<td>Sw# 3</td>
<td>Off</td>
<td>Sw# 8</td>
<td>Off</td>
</tr>
<tr>
<td>Sw# 4</td>
<td>Off</td>
<td>Sw# 9</td>
<td>On</td>
</tr>
<tr>
<td>Sw# 5</td>
<td>Off</td>
<td>Sw# 10</td>
<td>Off</td>
</tr>
</tbody>
</table>

Note: Replace Rubber Cover

Step IV: Actuator Assemble (AA) Installation

A) Route Cruise Control’s Throttle Cable beside OEM Throttle Cable & the Distributor Cap thru the Square hole (do not snap in place).

B) Locate & mount the AA to bottom of floorboard (Port Side) near Engine Cover Opening (above
Step IV: Wiring Installation  (DO NOT USE BLUE SELF STRIPPING CONNECTORS)

A) Route portion of AA wire harness aft:
   1) 2 wire connector to Signal Generator (shorten twisted blue & gray as necessary–plug in connector & tape to seal)
   2) blue wire to Ground w/black wire (not Distributor’s Tack output connector terminal as stated in general installation book)
   3) Black Ground wire. Clean “Engine Opening” metal frame & attach Black Ground Wire (use battery corrosion prevention material (or other) on metal frame & attachment parts).
   NOTE: Install a section of the split tubing over the aft wires to the Signal Generator & remaining tubing over the forward wires. Tape the ends/center of the split tubing.

B) Remove Dash Instrument cover (next to windshield) & Route remaining AA wire harness forward into the existing bulkhead hole w/rubber grommet (behind Radio & contains wires & Temperature Control Bowlin cable from Heater Control Panel). Disconnect the square 4-wire connector for ease of routing thru the bulkhead hole. Lift Bowlin cable & insert square 4-wire connector, Violet & Gray wires thru the hole. Stow the Gray wire for future use.
   Mate the square 4-wire connector & tape close for seal & prevent accidental disconnection.

C) Route Brown wire w/fuse holder thru dashboard (under Radio) to fuse panel behind Glove Box. Insert onto/under Accessory/Heater Fuse (non fused end).

D) Remove Lower portion of Instrument (cover for lower steering column) & Locate Brake Switch (above Brake Peddle) & note connector w/3 wires (orange, white & blue) or two wires (white & blue on late models).
   Probe these wires & determine which is “hot” all the time. Trace these wires to area near 4-wire (in-line) connector.
   Remove insulation on section of the “Hot” wire (Orange or Blue) & solder onto it the Red wire w/fuse holder.
   Remove insulation on section of White wire & solder onto it the Violet wire.
   Tape over solder connections.

E) Install Control Switch onto OEM Turn Signal Lever.
   Disable/disconnect (pull off) the OEM Cruise Control Disable Switch (near/top of Brake Light Switch w/Pink & Brown wire) & then cut off the OEM Turn Signal Lever w/Tube Cutter.
   Cut & stow internal wires.
   Route 4-wire connector (flat/in-line) up thru bottom of Dash Board near Steering Column to area where wires were routed thru rubber grommet (below radio).
   Mate 4-pin connector (in-line) & tape up to seal & prevent accidental disconnection. END
Changes to Rostra
Turn Ignition & Cruise Switch OFF
RESET #7 to OFF

RESET #8 to ON

OFF