RX Performance Super Chiller
Install Instructions

First these instructions are going to be pretty generic in scope as this applies for several makes & models. The main details needed and any pictures will be included, and you can always call us direct for help at: 941-721-1826

**RX Performance Disclaimer**
RX Performance will NOT be held responsible for voiding the vehicle's warranty or improper installation of the Superchiller system by 3rd party shops or individuals without proper equipment.

To start with, the AC system will need to be recovered by a certified AC tech with the proper evac/recovery machine. Once this has been done, you will remove the nose/front fascia/bumper cover so you can access the area to mount the RX Super Chiller HE unit. This unit will have all the fittings pre-installed and your super charger coolant will circulate through this as well as the freon from your current AC system. The Super Chiller HE will be held in place by 2 large screw clamps so this allows flexibility in mount location. Be creative depending on your car make/model. ZL1 & camaro models mount BEHIND the crash bar.
Note the expansion valve coil will be wrapped to the low side fitting after all connections are made. Use the enclosed AC tar tape.

So, next step is to locate both the high side line (small diameter tube) and the low side coupler. These will be near the firewall on the drivers side. The high side line you will cut out a section app 3” long, and the Super Chiller high side adapter will splice into both ends for a nice clean seal. This adapter also has the cabin C shutoff solenoid that will be wired into the relay and activated from the cabin “competition mode” switch. When engaged, this closes the cabin AC form the system allowing operation on a drag strip or road course w/out the water drippage from the cabin AC moisture removed, and also directs all the cooling ability to the Super Chiller HE module.

You also remove the bolt that holds the low side line to the evaporator fitting as shown below and you will see how the super chiller low side line fits right in between the two and using the longer bolt install and re tighten
The wire from the temp sensor and the competition mode switch will run through the firewall rubber boot so no drilling is needed.

The enclosed wiring, relays, and switches should be balled and the vacuum solenoid that controls the coolant path will be activated to bypass the HE any time the AC compressor is on, and will default to the HE when the AC comp is off.
Above shows a typical circulating pump and the HE coolant bypass valve.

We apologize for the pictures and description....these are a work in progress and we are updating them as we see where we can make them easier.

Any questions during the install you can call me direct on my cell at: 727-422-0076

The vacuum solenoid can be mounted on the drivers side fender well and use of zip-ties makes things easier as well.

Once the system is installed, pull vacuum and test for any leaks. Also test the cabin shut off valve. It is normally closed and opens when the AC is on and NOT in competition mode. The switch bracket will mount under the cover for the fuse panel (see the 2 screws and alignment tabs to see it fits right in with the toggle switch sticking out the bottom) and wire the LED indicator light so it illuminates when comp mode is engaged.
The LED we mount inside the drivers AC vent so when activated it will glow so the driver knows he is in comp mode.
The digital HE coolant temp gauge can be mounted in any area the customer desires, the previous page shows it mounted in the A pillar cover.

Again, our apologies on these instructions....we realize they need a ton of editing and improvement and any feedback with additional pictures any can provide we will add and edit.

Best Regards,

RX Performance Products
941-721-1826
Terminal 85
connect black wire female
spade from under dash switch

Terminal 87
connects to red wire female
spade to cabin shut off solenoid
engine fuse box remove fuse 15 and connect adda circuit to fuse 15 port with fuses facing right fender.
MANIFOLD VACUUM TO BYPASS VALVE

GROUND

CONNECT RED WIRE TO THE BLUE AND WHITE AC CLUTCH CONTROL WIRE LOCATED IN SMALL HARNESS LEADING DOWN PASS NUMBER ONE CYLINDER.
FROM CONDENSER

TO CHILLER

TO EVAPORATOR

RED WIRE GOES TO RELAY TERMINAL 87
BLACK WIRE GOES TO CHASSIS GROUND

connect hose from flange fitting at firewall to out put port of chiller (low side)
connect hose from cabin shut off solenoid elbow to expansion valve (high side)

hose from bypass valve

hose to intercooler

5/8 HOSE PORTS CAN BE REVERSED (NOT DIRECTIONAL)
Install switch bracket at left end of dash under fuse panel cover at lower arc of dash.

Run this wire through the firewall to terminal 85 on solenoid activation relay.

Connect to a-pillar ground bolt.

Connect red wire to red wire on L.E.D.

Connect black wire to black wire on L.E.D.

L.E.D.

Install L.E.D. in preferred location before making connections.
INSTALL SWITCH BRACKET UNDER PLASTIC LOWER DASH PAD