

DYNASYS TECHNICAL SERVICE BULLETIN

TSB – 09.06.2016

To: Dealers Service Managers and Technicians

Re: Dynasys Generation 1& 2 Series APU units

Affected Units:
The following documentation pertains to those APU serial numbers G1D14853 to **G2D20952**

Notice:
A/C Evaporator icing and short A/C Compressor life.

Remedy:
When an A/C Compressor has failed and is being replaced, adding the Cold Control to the refrigerant pressure switch circuit.

Service Upgrade Kit Contents:

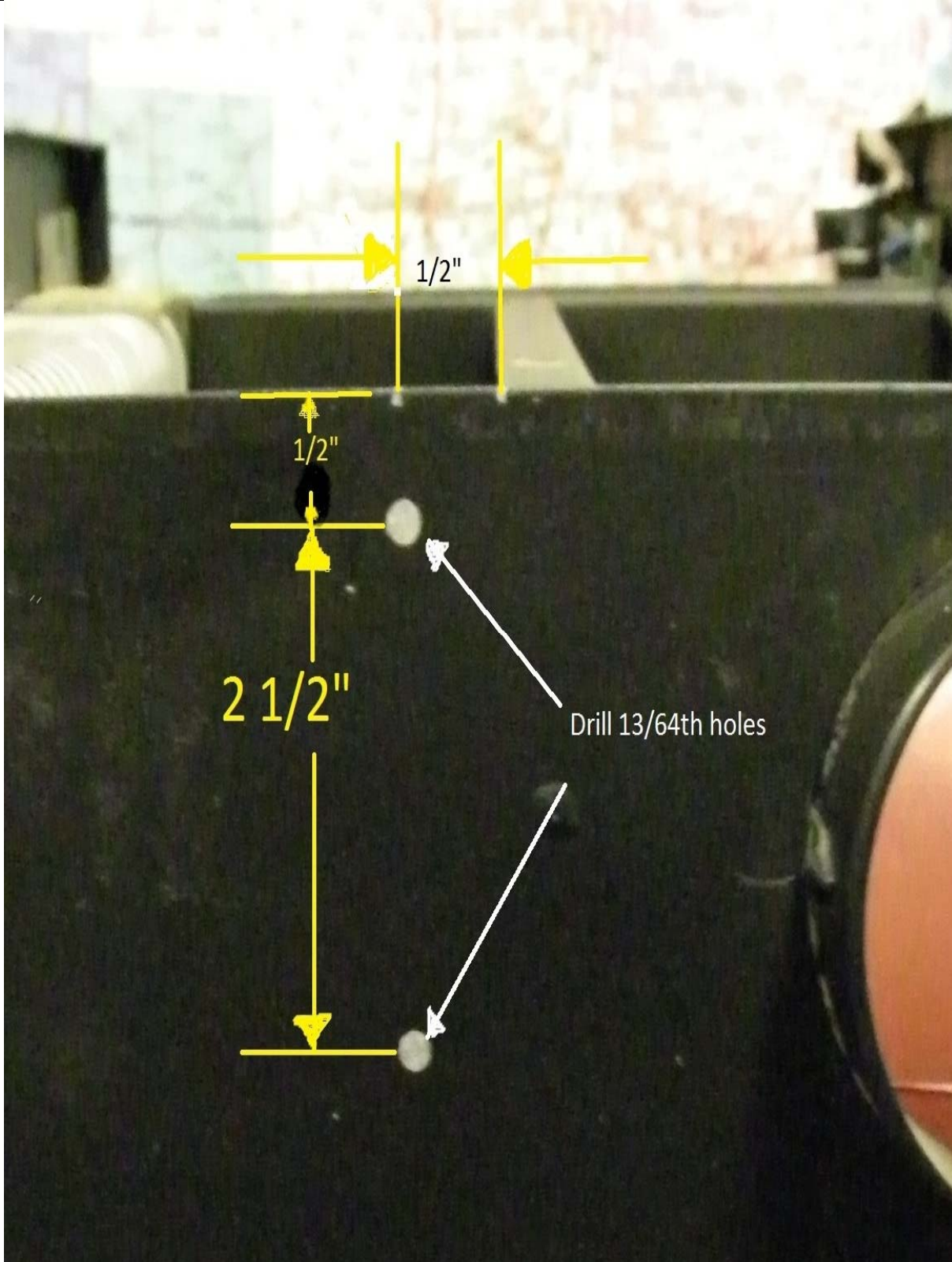
P/N	Description	Qty
	Cold Control/ Freeze Switch Kit	1

Allocated Standard Repair Time -SRT:

Repair Description	SRT Time (hrs.)
At install and with A/C Compressor failure when warranted	0.5

Installation of the Cold Control Switch:

1. Remove HVAC 11.5"x15" coil cover. It may be easier to complete the steps when the heat coil closest to the evaporator is removed.
2. Measure 1/2" from bulkhead towards the evaporator and mark the edge.
3. Measure down 1/2" from the edge mark and make a second mark.
4. Measure 2 1/2" down from the second mark and again mark the location.
5. Drill 13/64" holes at both drill marks.

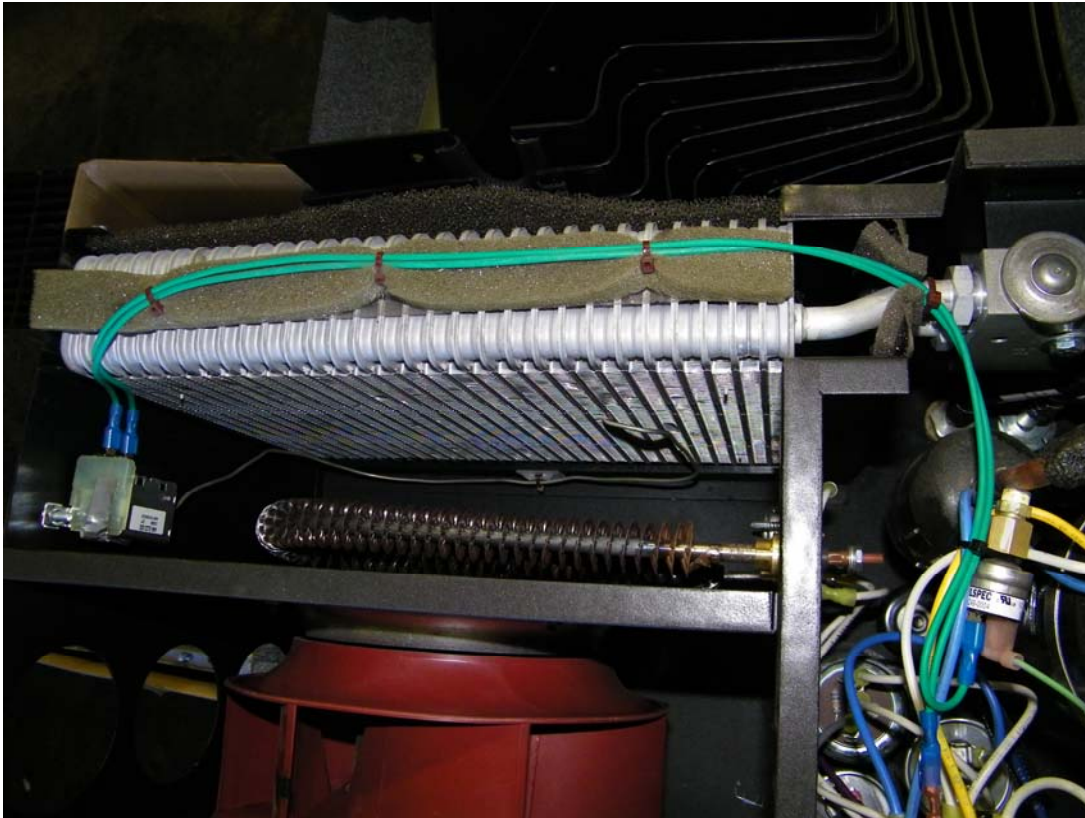


6. Attach the body of the cold control to the bulkhead wall with the hardware provided.
7. Attach both 14ga green wires to the cold control spades and route along the top of the evaporator coil to the low pressure switch.

8. Disconnect one Lt Green/ purple wire from the low pressure switch and connect to one of the Green wires to the cold control's bare spade.
9. Attach the remaining Green wire to the terminal of the last Lt Green wire.

10. Carefully unroll the Cold Control thermo probe and route along bottom of the evaporator to 4" from the end.

11. Create a long 90 deg radius bend up and route the probe to 4" from the bottom. Again with a long 90 deg radius bend insert the probe tip 1" into the evaporator. Secure wiring and thermo probe as illustrated below.



12. Re-install heat coil if it had been removed.
13. Test A/C operation and return to service.

