

# AIRCRAFT HEATERS – ENGINE PREHEATERS

## C & D AIRCRAFT HEATERS



Designed for upgrading obsolete aircraft heating systems or first time installation in your aircraft, C&D Installation kits include a complete group of materials necessary to replace the obsolete system or to install for the first time. Commonly used C&D heater components are shown below. For replacement heaters, request a quote by phone or email and provide aircraft make, model, and serial number.

### HEATER COMPONENTS

| C & D Part No. | Description           | Part No. | Price |
|----------------|-----------------------|----------|-------|
| CD12065-1      | Cabin Heater          | 05-12002 | .     |
| CD12064-1      | Cabin Heater          | 05-12003 | .     |
| CD14072-1      | Cabin Heater          | 05-12004 | .     |
| CD14073-1      | Cabin Heater          | 05-12005 | .     |
| CD14075-1      | Cabin Heater          | 05-12006 | .     |
| CD14077-1      | Cabin Heater          | 05-12007 | .     |
| CD14078-1      | Cabin Heater          | 05-12010 | .     |
| CD21253        | Electronic Thermostat | 08-14605 | .     |
| CD21255        | Rotary Thermostat     | 08-14606 | .     |
| CD21402        | 24V Motor             | 08-14607 | .*    |
| CD21401        | 12V Motor             | 08-14608 | .*    |
| CD22050        | Spark Plug            | 08-14609 | .     |
| CD21381        | 24V Ignition Unit     | 08-14610 | .*    |

\*Additional Core charge

## SAFE-HEET ENGINE HEATERS



SAFE-HEET is a thin flexible pad that is bonded to the engine oil sump. The kit is complete with materials and step-by-step instructions. A log book entry is all that is required for permanent installation; No S.T.C. or 337 form required. There are no airframe modifications required. SAFE-HEET can be used with a timer or the 707 temperature controller, and uses

standard 110 A.C. voltage. We recommend using the SAFE-HEET 707 Temperature Controller to cure the adhesive for faster installation.

### ECONOMICAL AND EFFICIENT

SAFE-HEET puts the heat where it is needed with very little loss to the surrounding atmosphere. The air inside the engine is heated by the warm oil sump. The warm air goes up and the cold air goes down, your engine is heated from the inside out. It uses about 300 Watts which costs about 3 cents per hour to operate. Less than 1 hour will generally warm the engine oil from subzero to safe easy starting temperature. The entire engine will be warm in 2 to 3 hours. The adhesive is thermo-conductive, and the metal foil heatsink is vulcanized to the pad for even heat transfer. SAFE-HEET reduces costly starter and engine abuse during cold weather starts.

Model 700 Dimension: 4" x 4".....P/N 05-04420  
Model 720 Dimension: 4" x 7".....P/N 05-04421



## ANTI SPLAT AERO NO HASSLE ENGINE PRE-HEATER

"No Hassle Engine Pre-Heater" is Anti Splat Aero LLC's newest specialty accessory, developed specifically for use in most Lycoming equipped aircraft. The product is constructed of 6061-T-6 aluminum, machined and assembled to give years

of trouble-free service. Warms internal engine components for quick starts in cold weather and reduces engine wear by improving the oil flow. No glue, stickers, Band-Aids, no fans, no hoses, no box heaters, no ductwork, requires no thermostat or timers, no fuss or mess, just plug it in and you are ready to go.

Engine Pre-Heater.....P/N 07-26883  
Engine Pre-Heater - 220V.....P/N 07-27270

## VARIABLE TEMPERATURE CONTROLLER



The SAFE-HEET Variable Temperature Controller can be used with any 700 Series SAFE-HEET Engine Pre-heater as an installation aid, or for providing temperature control for continuous pre-heat without promoting internal engine corrosion

P/N 05-04423

**FOR APPLICATION INFORMATION PLEASE CALL  
OR VISIT OUR WEBSITE AT  
WWW.AIRCRAFTSPRUCE.COM**

## THE SWITCHBOX REMOTE CONTROL APP



The easiest, cheapest and safest way to remote control any electrical device.

For Pilots: No more driving to the airport hours before a flight. Turn on your Engine Heater from your cellphone, and simplify your cold flying routine! TIP: Activate a 2nd device like a Cabin Heater for your sensitive avionics, or a Coffee Maker before you arrive!

For General Use: Your new 'Smart Home' with the easy automation from SwitchBox. Remote control your heating, lighting and air conditioning, from anywhere in the world. TIP: Turn On the A/C before you get home, or check to see if you left the lights On and turn them Off. Save Money! **SwitchBox App for iPhone/iPad/Android - Free. Visit our website to download your copy.**

The Switchbox 4G Full System.....P/N 08-17037  
Cell Service Sim Card.....P/N 08-13550  
Wired Antenna.....P/N 08-13551  
Backup Battery.....P/N 08-17035



## SWITCHEON 15 AMP BASE REMOTE POWER SWITCH

SwitchOn Remote Power Control is the ultimate remote power switching device. It is easy to use and can be controlled by a smart phone enabled app for easy switching on and off. There is no wifi, hotspot or additional SIM/ service required and comes available in 2 or

4 channels. This device is perfect for remotely turning on engine block heaters in aircraft. **Features:** • LTE-M Remote power switching • Switch 2 Channels (Outlets) • Up to 15 amps (1800 watts) • Automatic recovery after power failure • Monitoring • Ambient temperature sensor • Available additional analog/sensor inputs • Bright OLED display • Local and ZULU time • Cellular Signal status • Power/port status • Ambient Temperature • Automations for each channel • On at Ambient temperature • Off at Ambient temperature • On at time • Off at time • Verizon cell tower based service • Uses LTE-M and NB-IoT bands deployed as part of 5G rollouts • Newest band type will have long term availability for future • Operates much further from cellular towers than normal 3G or 4G

SwitchOn 2 Channel USA.....P/N 05-27121  
SwitchOn 4 Channel USA.....P/N 05-28987  
SwitchOn 2 Channel Canada.....P/N 05-29015  
SwitchOn 4 Channel Canada.....P/N 05-29016

## BRUSHLESS CABIN HEATERS



These heaters are available from 12-48 volts, and different wattages as well. The Stealth heater is simple to install and can be operational in minutes. Measuring only 6" long and 5" tall, our Stealth heater will fit in virtually any small space. RuCar elements

allow the heaters to be mounted vertically OR horizontally which allows even a tighter mounting space. The Stealth heaters feature RuCar elements which have been tested to have a life expectancy of 10,000 hours, are vacuum sealed, and are exclusive to DC Thermal. RuCar elements operate at temperatures in excess of 650 degrees, are up to 300% more efficient than standard alloy heater elements.

**Specifications:** Heater Dimensions: 6" x 5" X 4". Brushless 50,000 Hour Ball Bearing Fan. 10,000 Hour DC Thermal ©RuCar Vacuum Sealed Elements. Case Construction: Riveted T5052 Aircraft Aluminum. Wired Entirely with GXL Wire. Thermally Protected. HIGH and LOW HEAT Settings. Comes complete with mounting hardware, mounting bracket, fuse, fuse holder, electrical connector ends, and detailed instruction. TWO YEAR Parts AND Labor Warranty.

| Model     | Volts/Watts | BTUS   | Part No. | Price |
|-----------|-------------|--------|----------|-------|
| SA12-3000 | 12V / 360W  | 6012   | 05-02121 | .     |
| SA12-4000 | 12V / 480W  | 8016   | 05-01966 | .     |
| SA12-5000 | 12V / 600W  | 10,020 | 05-03869 | .     |
| SA24-2500 | 24V / 600W  | 10,020 | 05-04855 | .     |
| SA24-3500 | 24V / 840W  | 14,028 | 05-03870 | .     |
| SA24-4500 | 24V / 1080W | 18,036 | 05-02123 | .     |

## RANS AIRCRAFT CABIN HEATER



The RANS aircraft heater is the answer to the winter flying "chills". It is very lightweight, inexpensive and installs easily in just two hours. This heater utilizes ram air and the heat off the engine muffler. Operation is simple. Slipstream air is forced through the heater inlet, passing over the muf-

fler, picking up the heat and delivering it to the cabin or pod via an Aeroduct hose. Contains no moving parts. Fits Rotax mufflers and adaptable to other engines. Only fits Rotax 503 and 582.

Will not fit 618.....P/N 05-17400