The purpose of the air grid is to eliminate air flow turbulence. The 1/2” dia. stainless steel vane straighten the air before it reaches the throat of the carburetor and achieves better air/fuel distribution. This is a proven performance enhancement technique.

DELUXE HOMEBUILDERS CABIN HEAT BOX
P/N DL-002 - This cabin box is our first modification to our standard heat box. The only difference between this and the standard is that the deluxe cabin heat box has one inlet and two outlets; the second outlet must be used to dump and route, via 2” scat tubing, the warm air away from the low plenum area when heat is not being used in the cabin. (It is very important not to run the dump tube to another box on the other side of the firewall, because a constant flow of air is necessary to ensure that the heat mufﬁn does not overheat.) The weight on this unit is 5.5 ounces. P/N 08-04005 .......................... $119.85

DELUXE HOMEBUILDERS CABIN HEAT BOX STAINLESS STEEL
P/N DL-003 - This box is identical to the Deluxe Homebuilders Cabin Heat Box except the tubing that goes through the firewall and the mounting flange are also stainless steel for extra protection from fire. Weight is 7.1 ounces. P/N 08-04010 .......................... $177.85

2 ½” OD INLET AND 2 ½” OD OUTLET HOMEBUILDERS CABIN HEAT BOX
P/N DL-005 - This box is identical to the deluxe stainless steel cabin heat box, except that the inlet and outlet are 2 ½” OD so that this box can be used when the builder wants to use 2 ½” scat tubing throughout the project. (This box was used on the Cirrus SR20 certified aircraft. The SR20 now uses the DL-008 box listed below.) Weight is 6.3 ounces. P/N 08-04015 .......................... $129.50

DELUXE HOMEBUILDERS CABIN HEAT BOX, ALL STAINLESS STEEL
P/N DL-006 - This box was recently developed in response to customer requests. With the exception of brass shaft bushings, this box is constructed entirely of stainless steel, including all SS blind rivets. Like the deluxe boxes, this unit has a 2” inlet and 2” outlets. For the added durability of all stainless steel, the box still only weighs 10 ounces. P/N 08-04025 .......................... $139.50 ea.

CARBURETOR HEAT BOX FOR ELLISON TBI
The carburetor heat box and air grid are designed speciﬁcally for the Ellison TBI to eliminate carburetor icing problems. There must always be a constant ﬂow of air through a heat mufﬁn. The carburetor heat box has an automatic dump to hot air when carb heat is not being used, thereby eliminating the chance of heat mufﬁn burn-out. The box has a 2.5” inlet for ram air and a 2” inlet for carb heat. The box is made of 5052 aluminum, stainless steel and 6061-T4 tube. The mounting surfaces, shaft, ﬂapper, arm and rivets are stainless. In addition, the box is strengthened in the mounting hole area to eliminate the possibility of metal fatigue. A 4” inspection/ mounting hole with a cover plate secured by nut plates and screws is locate on the bottom of the box (not visible in the photo.) The purpose of the air grid is to eliminate air ﬂow turbulence. The 1/2” stainless steel vanes straighten the air before it reaches the throat of the carburetor and achieves better air/fuel distribution. This is a proven performance enhancement technique.

Carburetor Heat Box .......................... $214.50
Air Grid ........................................ $119.85
Extra Gaskets ................................ $64.95

STANDARD HOMEBUILDERS CABIN HEAT BOX
P/N DL-001 - This cabin heat box has been engineered to be the smoothest, most efﬁcient and lightest heat box built. Fabricated from aircraft-grade aluminum with stainless steel shaft, arm and ﬂapper. Originally designed for use on the popular RV-4 home-built, but is applicable to most other designs.

Total weight is only 5.2 ounces. Furnished with a gasket ﬂange for the forward side of the firewall for leak-free ducting of warm air to anywhere the builder wants it. Inlet and outlet are 2 inch OD 6061-T4 seamless alum. The body of the box is constructed of 5052-032 alum. The outlet tube extends through the firewall so that scat tubing can be attached to route the warm air. Superior craftsmanship and quality. Over 4,000 sold to date. P/N 08-04000 .............................. $112.75 ea.

VAGABOND CARB HEAT BOX
This air grid carburetor heat box designed to fit the Piper PA-15 Vagabond. Dimension: 11” x 3-1/2” x 4” P/N 08-06290 .......................... $175.95

TUBING CONNECTORS
2” ALUMINUM FLANGE ........................ Accepts 2” scat tube. Flange allows riveting to firewall, baffles, etc. Wt: 0.2 oz. P/N 08-04135 .............................. $12.50
CARB HEAT CONNECTOR ........................ Mounts on FAB airbox or similar airbox. Flange accepts 2” scat tube from muff. Standoff design allows hot air to escape when carb heat is not selected. Weight: 0.9 oz. P/N 08-04145 .............................. $20.85
FLANGED DUCT ................................. Accepts 2” ducting on both ends. Helps route ducting through bulkheads, ﬁrewalls, etc. Especially useful for getting heat to the back seat of the aircraft. 3” square plate with 2” tubing projecting 1” from each side. Wt: 0.7 oz. P/N 08-04140 .............................. $18.65

CABIN HEAT BOX
Custom built aluminum box mounts to firewall. Lever on butterfly may be attached to push-pull control for close adjustment of cabin air ﬂow. Two 2” intake ports, one 2” outlet. Wt. 1 lb. 7-1/2” long. Fine quality construction. P/N 08-01500 .............................. $125.75

HOMEBUILDERS CABIN HEAT SHUTTLE KIT
Easily assembled and designed so that it can be modiﬁed for custom applications. Kit includes construction plans and directions along with installation hints for the popular Vans RV series of homebuilt aircraft. Controlled by ratchet type control cable such as ACS model A740 (P/N 05-12500). Order control cable separately. P/N 08-04460 .............................. $64.95

Prices Subject to Change Without Notice