

(Much as you may want to hold onto this little booklet for keeps . . . don't be a hoarder! When you've absorbed the profound knowledge stored herein . . . pass the book along to your buddy or good friend 20 that the joint will learn of the comforts and deliability of the f-2 heated flying suits.

loading the batteries, don't turn suit on before take-off, but don't wait too long after take-off or you'll ride cold. Conversely, don't ride hot or you'll get the "Cold sweats" at higher altitudes. Never plug into 110 Volts . Your suit, gloves and shoes are built to take a gentle 24 volts so stay out of the 110 volt dept. if you don't want a hot foot or a blown fuse . Anyhow, it's liable to ruin the whole suit assembly. And for pity's sake, don't attempt to make repairs on your suit without the proper "know how." Get yourself a copy of the TO 13-1-8 or, better vet, if your suit becomes damaged or inoperative, get a new one Go easy, though, Mister. That doesn't mean they come to you for peanuts.

WARNING TO NAVIGATORS

Electrically based one will affect direct reading aircraft compuses principally because of the sumplex win (trues generate uppely on which these suits are operated. Before taking oil on a massion on which electrically board units will be used, the except his one, wentwo on. It is electrically because the contract of the except his one, wentwo on. It is electrically because the contract of the except his one, wentwo on. It is electrically because the compast. This can be accollogished by terming the theorem to the "off" positions of the except his one, we not determined to the except his one, we can deduce Electrically benefit again of one offer ereconce reading compasses.

Do not plug suit, gloves or shoes into 110-volt circuit

G-E Form No. MAQ-198, Instructions for Type F-2 Electrically Heated Flying Suit Specification No. 3160.

Prepared and Published by
GENERAL & ELECTRIC

Pioneer Products Division, Bridgeport, Connecticut For The Army Air Forces Materiel Command, Wright Field, Dayton, Ohio

Do and Don't Dep't.

From the actual experience of countless pilots, gunners, bombardiers and navigators comes a good set of rules to follow, on the use and care of electrically heated clothing.

After you get dressed in the heated suit assembly and are waiting to take your place in the plane, don't monkey . Take it easy! Don't work a sweat! Your suit is not built for rough use. Baseball Football and Track Meets are good exercise, but not good for your F-2 Suit assembly! Don't use the gloves for heavy work The heated shoes are not for long hikes and the suit is for flying, no matter how cute your not for strolling around in girl thinks you look. Another thing, take the suit of immediately after each flight and hang it carefully in a safe place, where it will dry out. And look, Roger Try to keep spots and stains off your suit. Watch where you sit; don't use the sleeves to clean off the motor and oil lines. When you answer mess call, sit right up to the table ... mind your manners and don't slobber. Get your suit at the slightest sign of soil or cleaned similar stuff. Be sure your gloves and shoes are securely connected to your suit at all times during operation. To prevent overyou can do, is to give your beated flying clothing the kind of care and attention that will keep it in tipe-top condition. Wear it only on flights and don't forget about regular inspections. It is not necessary to disconnect and carry with you, the siz-foot extension cord used in the plane. Leave the darn thing in the plane. Its twist lock will keep it securely connected to the receptacle in the rhostory.

A Few F-2 Facts for Flyers





N OW pay attention to this: If you expect to encounter more severe temperatures beyond the -40-degree E. upstairs mark, then you've got to add more insulation over the electrically beated suit. Good "insulators" are coveralls, alpaca or sheepskin jacket, and trousers, etc.

And here's another important point:

If you add insulation to the body, don't forget to add equal insulation
to the hands and feet—or else your extremities will be mighty chilly.

The answer is to add extra mittens over the gloves and extra wool socks
on your feet.

For best results, always wear the F.2 Suit as a complete ensemble in accord with the manufacturers recommendations. Maybe it's not always possible to do this in an emergency or under certain unusual conditions. Therefore, you'll note that there are zippers on the front closures of the inner jacket and inner trousers. This makes it possible to ware the F.2 jacket insert, trouser insert (and shoe inserts, too), under various types of outer clothing other than original marching outer shells.

This . . . you will like. The F-2 Suit gives you maximum wear and service under all normal conditions. Each shoe, each glove, the jacket and the trousers are designed to operate independently. If one of these units should fail due to damage, excess wear or abuse, the rest of the suit will still operate.

For your added protection, there are two electrical circuits built into each shoe, glove, trouser and jacket so that only one half the heat is lost in any unit if one of the circuits in that unit should break.

Six Simple Steps



TAKE the same care and the same pride in dressing for flight in the Type F2 Suit as you did dressing for dinner in a tux or tails. Remember?

Fact is, it's a lot easier getting into the F-2 than it is getting into a boiled shirt. No studs ... it's a snap! Just follow these six simple steps and you're all set every time.



Step One . . . Medium-weight woolen underwear with long sleeves and legs is recommended for flights under cold conditions. Lightweight wool socks or cotton socks should be worn. Wipe of all excess perspiration and dor't work up a sweat while dressing, Perspiration at extreme cold is very dangerous to the body. Put on a wool shirt.



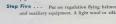
Step Two ... Put on electrically heated trousers and jacket.—WARNING: BE SURE THAT SUIT IS NOT TOO SNUG, GET A SIZE THAT FITS YOU WELL.



SFep Three - . Put on the shoes with inserts over lightweight socks. Connect the snap fastener tab on the trouser insert leg to the corresponding snaps on the shoe insert. Make certain that both pairs of snaps are properly connected. (Sketch shows right and wrong way.) (An optional method is to add a wool sock over the insert and use an outer boot about two sizes larger than the insert.)



Step Four . . . Connect the tab at the top of the trouser to the corresponding snap fasteners on the inside of the jacket at the right. Make sure both pairs of snaps are securely snapped together. Connect six-foot lead cord to jacket pigtail.



to Solid Comfort



scarf will seal junction at the neck line between helmet and suit collar.

Step Six . . . Put on lightweight rayon gloves.

Snap the tabs on the jacket sleeves to the corresponding snaps on the heated gloves.

Then put on the electrically heated gloves.

How to Operate the Heated Flying Suit



ACTUALLY the instructions for operating the F-2 Heated Suit Assembly are simple. All you have to do is be careful to follow 'em to the letter.

Near your position in the plane, you will find a built-in rheostat (Type Q1A) with receptacle at the left for plugging in your sixfoot extension cord. The plug at the end of suld be securely and positively inserted in the

this extension cord should be securely and positively inserted in the left receptacle of the rheostat and locked into position with a simple clockwise twist.

The amount of heat required can be adjusted by netring the rhoostat to the correct position. For maximum confort of uting a complete light, the rhoostat should be adjusted to furnish a minimum of heat, not an excess. Do not "ride hot" as perspiration produced a normal temperature levels will result in an unpleasant chill when the lower temperatures levels will result in an unpleasant chill when the lower temperatures of historie altitudes are reached.

Heaters for goggles or oxygen mask may be connected to the tab at the breast pocket.

Get the habit of giving your F-2 heated suit a regular check-up and inspection. Look for excessive wear at all flexion points, where breakage of the fine cable with which the suit is wired, might occur. Best thing

Here's Your Complete High-flying Wardrobe

1. Jacket

2. Jacket Insert, Heated

3. Trouser 4. Trouser Insert, Heated

5 Walmat

6. Shoes, Felt

7. Shoe Insert, Heated 8. Glove, Heated

8. Glove, Heated 9. Rayon Glove Inserts 10. A-12 Mittens 11.Scarf

12.Lead Cord 13.Woolen Shirt 14.Light Socks

THE STATE OF THE S

THE electrically heated suit assembly is designed to maintain top body efficiency of the wearer during routine flight, training or combat flying for all temperature conditions to 40 degrees F. below zero regardless of the time duration of flight.

Enjoy That Free and Easy Feeling!







IN ALL DIRECTIONS



THE new AAF F-2 Flying Suit Assembly represents the last word in electrically heated flying clothing. The F-2 Suit is scientifically designed and carefully styled for the flyer's personal comfort and safety

Parts of the Army Air Force Electrically Heated Flying Suit manufactured by one company may be interchanged with parts of a suit manufactured by any other company. However, for best results try to use the complete suit as manufactured by one company.

This booklet contains non-technical instructions for the correct operation of the Army Air Force Type F-2 electrically heated flying suit manufactured by the General Electric Company (indicated on the label of each jacket, trouser, glove and shoe). For the straight G.I. instructions see T. O. 13-1-8.

