



FIGURE 51 - HEATER KIT

| KEY   | ITEM NO. | PART NUMBER   | 1          | 2        | 3                | 4                       | NOMENCLATURE | UNITS<br>PER ASSY | USAGE      |
|---|----------|---------------|------------|----------|------------------|-------------------------|--------------|-------------------|------------|
|   | 700      | 145-89006     | Heater     | Kit      | -                | Complete                | - - - - -    | 1                 | 251-1789   |
|   | 701      | 145-89006-10  | Heater     | Kit      | -                | Complete                | - - - - -    | 1                 | 251-1789   |
|   |          | No Number     | Navion     | Special  | Instructions     | No. 5                   | - - - - -    | 1                 |            |
| 1   | 9415     | 9AX           | Hose       | -        | Flexible         | - - - - -               | - - - - -    | 1                 |            |
| 2   | 9416     | 9AX           | Hose       | -        | Flexible         | - - - - -               | - - - - -    | 1                 |            |
| 3   |          | AN735-18      | Clamp      | -        | Loop Type        | Bonding                 | - - - - -    | 2                 |            |
| 4   |          | AN735-32      | Clamp      | -        | Loop Type        | Bonding                 | - - - - -    | 2                 |            |
| 5   |          | AN365-832     | Nut        | -        | Self Locking     | - - - - -               | - - - - -    | 26                |            |
| 6   |          | AN365-1032    | Nut        | -        | Self Locking     | - - - - -               | - - - - -    | 7                 |            |
| 7   |          | AN515-8R10    | Screw      | -        | Round Head       | Machine (Coarse Thread) | - - - - -    | 2                 |            |
| 8   |          | AN520-8R8     | Screw      | -        | Round Head       | Machine (Fine Thread)   | - - - - -    | 4                 |            |
| 9   | 700-2    | 145-53327     | Hose       | Assy     | -                | Fuel Pump to Heater     | - - - - -    | 1                 |            |
| 10  |          | AN742-90      | Clamp      | -        | Loop Type        | Support                 | - - - - -    | 3                 |            |
| 11  | 9131     | 352X4         | Elbow      | -        | 45°              | - - - - -               | - - - - -    | 1                 |            |
| 12  | 9133     | 400X4         | Elbow      | -        | 90°              | - - - - -               | - - - - -    | 1                 |            |
| 13  | 700-3    | 145-54035-4   | Switch     | Assy     | -                | Heater Control          | - - - - -    | 1                 |            |
| 14  | 700-4    | 145-53328     | Actuator   | Assy     | -                | Micro Switch            | - - - - -    | 1                 |            |
| 15  | 700-5    | 145-53309     | Stop       | -        | Heater Circuit   | - - - - -               | - - - - -    | 1                 |            |
| 16  |          | AN365-632     | Nut        | -        | Self Locking     | - - - - -               | - - - - -    | 1                 |            |
| 17  |          | AN960-6L      | Washer     | -        | Plain            | - - - - -               | - - - - -    | 1                 |            |
| 18  |          | AN515-6R6     | Screw      | -        | Round Head       | Machine (Coarse Thread) | - - - - -    | 1                 |            |
| 19  | 4319     | 145-51061-5   | Knob       | -        | -                | - - - - -               | - - - - -    | 1                 |            |
| 20  |          | AN565D6-3     | Set        | Screw    | -                | - - - - -               | - - - - -    | 2                 |            |
| 21  |          | AN6227-5      | Packing    | -        | "O" Ring         | Hydraulic               | - - - - -    | 1                 |            |
| 22  | 700-6    | 145-53331     | Shaft      | Assy     | -                | Thermostat Control      | - - - - -    | 1                 |            |
| 23  | 700-7    | 145-53305     | Rod        | Assy     | -                | Thermostat Control      | - - - - -    | 1                 |            |
| 24  | 700-8    | 145-53304     | Thermostat | Assy     | -                | - - - - -               | - - - - -    | 1                 |            |
| 25  | 700-9    | 145-53304-3   | Adapter    | -        | Thermostat       | - - - - -               | - - - - -    | 1                 |            |
| 26  |          | AN515-6-10    | Screw      | -        | -                | - - - - -               | - - - - -    | 1                 |            |
| 27  | 700-10   | 145-53302     | Cam        | Assy     | -                | (Includes Set Screw)    | - - - - -    | 1                 | 2-250      |
|   | 700-19   | 13835-7       | Cam        | Assy     | -                | Welded                  | - - - - -    | 1                 | 251 & Subs |
| 28  |          | AN565D8H3     | Set        | Screw    | -                | Cam                     | - - - - -    | 1                 | 2-250      |
| 29  | 700-11   | 145-54035-3   | Switch     | Assy     | -                | Heater Control          | - - - - -    | 1                 |            |
| 30  |          | AN340-2       | Nut        | -        | Light Hexagon    | (Coarse Thread)         | - - - - -    | 3                 |            |
| 31  |          | AN935-2L      | Lockwasher | -        | -                | - - - - -               | - - - - -    | 3                 |            |
| 32  |          | AN515-2R8     | Screw      | -        | Round Head       | Machine (Coarse Thread) | - - - - -    | 2                 |            |
| 33  |          | AN960-3       | Washer     | -        | Plain            | - - - - -               | - - - - -    | 2                 |            |
| 34  |          | AN960-616     | Washer     | -        | Plain            | - - - - -               | - - - - -    | 1                 |            |
| 35  | 9418     | 933A          | Thermostat | -        | (Southwind)      | - - - - -               | - - - - -    | 1                 |            |
| 36  | 700-12   | 145-53306     | Bracket    | Assy     | -                | Thermostat Support      | - - - - -    | 1                 |            |
| 37  | 700-13   | 145-53303     | Exhaust    | Assy     | -                | Heater                  | - - - - -    | 1                 |            |
| 38  |          | AN741-13P     | Clamp      | -        | Tube             | - - - - -               | - - - - -    | 1                 |            |
| 39  |          | AN363-428     | Nut        | -        | Self Locking     | (High Temperature)      | - - - - -    | 1                 |            |
| 40  |          | AN4-7A        | Bolt       | -        | Aircraft 1/4-28  | - - - - -               | - - - - -    | 1                 |            |
| 41  |          | AN742-24      | Clamp      | -        | Loop Type        | Support                 | - - - - -    | 1                 |            |
| 42  |          | AN363-1032    | Nut        | -        | Self Locking     | (High Temperature)      | - - - - -    | 1                 |            |
| 43  |          | AN960-10      | Washer     | -        | Plain            | - - - - -               | - - - - -    | 6                 |            |
| 44  |          | AN520-10R32   | Screw      | -        | Round Head       | Machine (Fine Thread)   | - - - - -    | 1                 |            |
| 45  | 8330     | 4S3-10-28     | Spacer     | -        | -                | - - - - -               | - - - - -    | 2                 |            |
| 46  | 9417     | 7A            | Exhaust    | Seal     | -                | Heater                  | - - - - -    | 1                 |            |
| 47  | 700-14   | 145-53308     | Support    | -        | Heater           | - - - - -               | - - - - -    | 1                 |            |
| 48  |          | AN960-8       | Washer     | -        | Plain            | - - - - -               | - - - - -    | 31                |            |
| 49  |          | AN515-8R8     | Screw      | -        | Round Head       | Machine (Coarse Thread) | - - - - -    | 18                |            |
| 50  |          | AN515-8R12    | Screw      | -        | Round Head       | Machine (Coarse Thread) | - - - - -    | 2                 |            |
| 51  | 8319     | 4S3-8-4       | Spacer     | -        | -                | - - - - -               | - - - - -    | 2                 |            |
| 52  |          | NAS220-30     | Screw      | -        | -                | - - - - -               | - - - - -    | 4                 |            |
| 53  | 4611     | 145-53301-27  | Gasket     | -        | -                | - - - - -               | - - - - -    | 3                 |            |
| 54  | 4610     | 145-53301-26  | Ring       | -        | -                | - - - - -               | - - - - -    | 1                 |            |
| 55  | 700-17   | 145-53314     | Adapter    | Assy     | -                | Combustion Air Inlet    | - - - - -    | 1                 |            |
| 56  |          | AN520-10R10   | Screw      | -        | Round Head       | Machine (Fine Thread)   | - - - - -    | 1                 |            |
| 57  | 700-18   | 145-53315     | Heater     | Assy     | -                | - - - - -               | - - - - -    | 1                 |            |
|   | 9419     | 977-B         | Heater     | -        | (Southwind)      | - - - - -               | - - - - -    | 1                 |            |
| 58  | 9177     | *K2250B-2     | Fuel       | Strainer | -                | - - - - -               | - - - - -    | 1                 | 2-250      |
| 59  |          | *AN365-428    | Nut        | -        | Self Locking     | - - - - -               | - - - - -    | 2                 | 2-250      |
| 60  |          | *AN960-416    | Washer     | -        | Plain            | - - - - -               | - - - - -    | 2                 | 2-250      |
| 61  |          | *AN4-13A      | Bolt       | -        | Aircraft 1/4-28  | - - - - -               | - - - - -    | 2                 | 2-250      |
| 62  | 2310     | *145-48051    | Bracket    | -        | Fuel Strainer    | Support                 | - - - - -    | 1                 | 2-250      |
| 63  |          | *AN365-1032   | Nut        | -        | Self Locking     | - - - - -               | - - - - -    | 2                 | 2-250      |
| 64  |          | *AN960-10     | Washer     | -        | Plain            | - - - - -               | - - - - -    | 2                 | 2-250      |
| 65  |          | *AN3-4A       | Bolt       | -        | Aircraft 10-32   | - - - - -               | - - - - -    | 2                 | 2-250      |
| 66  | 1479     | *143-31005-16 | Doubler    | -        | Strainer Bracket | - - - - -               | - - - - -    | 1                 | 2-250      |
| 67  | 9147     | *3325X4       | Nipple     | -        | -                | - - - - -               | - - - - -    | 1                 | 2-250      |
| 68  | 701-1    | *145-48803    | Line       | -        | Overboard Vent   | Connecting              | - - - - -    | 1                 | 2-250      |
| 69  |          | *AN-H-35-8-13 | Hose       | -        | -                | - - - - -               | - - - - -    | 2                 | 2-250      |
| 70  | 9074     | *A3122-14-59  | Clamp      | -        | Hose             | - - - - -               | - - - - -    | 1                 | 2-250      |
| 71  | 9182     | *W7600-1/8    | Drain      | sock     | -                | - - - - -               | - - - - -    | 2                 | 2-250      |
|   | 9324     | *3AG20AMP     | Fuse       | -        | -                | - - - - -               | - - - - -    | 2                 | 2-250      |
| Parts Marked * Are Not Included With Item 701 Heater Kit              |          |               |            |          |                  |                         |              |                   |            |
| NOTE: All Necessary Parts For Installation Are Included In These Kits |          |               |            |          |                  |                         |              |                   |            |