



FIGURE 16 - AIR INDUCTION & EXHAUST SYSTEM
Used On Serial Numbered Planes 1790 And Subsequent

| KEY | ITEM NO. | PART NUMBER | 1 | 2 | 3 | 4 | NOMENCLATURE | UNITS PER ASSY | USAGE |
|-----|----------|----------------|-------------------|---|---|---|--------------|-------------------|-------------|
| 1 | 2000 | 145-42201-71 | Scoop | - | Carburetor Air Induction | - | - | 1 | |
| 2 | | AN3-3A | Bolt | - | Aircraft 10-32 | - | - | 2 | |
| 3 | | AN365-1032 | Nut | - | Self Locking | - | - | 2 | |
| 4 | 2001 | 143-42103 | Filter Assy | - | Carburetor Air Cleanable | - | - | 1 | |
| 5 | 2002 | 145-42201-72 | Retainer Assy | - | Filter (Welded) | - | - | 1 | |
| 6 | 8437 | 734-10-7 | Screw | - | - | - | - | 4 | |
| 7 | | AN960-10L | Washer | - | Plain | - | - | 4 | |
| 8 | 2025 | 145-42201-84 | Air Valve Assy | - | Welded (Includes Tee Assy) | - | - | 1 | 1790 & Subs |
| 9 | 2005 | 145-42201-46 | Gate Assy | - | Carburetor Air Scoop | - | - | 1 | |
| 10 | 2006 | 145-42201-41 | Lever Assy | - | Carburetor Air Scoop | - | - | 1 | |
| 11 | 8437 | 734-10-7 | Screw | - | - | - | - | 4 | |
| 12 | | AN365-1032 | Nut | - | Self Locking | - | - | 4 | |
| 13 | 8523 | 2W1G20-32-50 | Washer | - | Plain | - | - | 1 | |
| 14 | 2007 | 145-42201-15 | Ring | - | Carburetor Air Scoop | - | - | 1 | |
| 15 | 2008 | 145-42201-16 | Ring | - | Carburetor Air Scoop | - | - | 1 | |
| 16 | 8436 | 734-10-6 | Screw | - | - | - | - | 1 | |
| 17 | | AN365-1032 | Nut | - | Self Locking | - | - | 1 | |
| 18 | 2009 | 145-42222 | Riser Assy | - | Carburetor Air Duct | - | - | 1 | |
| 19 | 2010 | 145-42211 | Bolt | - | - | - | - | 4 | |
| 20 | 2011-10 | 145-42202-2 | Hose | - | Exhaust Manifold to Carb. Air Mix Chamber | - | - | 1 | 1790 & Subs |
| 21 | | AN737-74 | Clamp | - | Hose | - | - | 2 | 1790 & Subs |
| 22 | 2026 | 145-42201-81 | Arm Assy | - | Cabin Heater Valve | - | - | 1 | 1790 & Subs |
| 23 | | AN3-4 | Bolt | - | Aircraft 10-32 | - | - | 1 | 1790 & Subs |
| 24 | | AN310-3 | Nut | - | Aircraft Castle | - | - | 1 | 1790 & Subs |
| 25 | | NAS75-3-8 | Bushing | - | - | - | - | 1 | 1790 & Subs |
| 26 | 2027 | 145-42201-82 | Lever Assy | - | Cabin Heater Valve | - | - | 1 | 1790 & Subs |
| 27 | 2028 | 145-42201-83 | Tube Assy | - | Cabin Heater Valve | - | - | 1 | 1790 & Subs |
| 28 | | AN3-15 | Bolt | - | Aircraft 10-32 | - | - | 1 | 1790 & Subs |
| | | AN365-1032 | Nut | - | Self Locking | - | - | 1 | 1790 & Subs |
| 29 | 2043 | 145-42201-8 | Elbow Assy | - | Welded | - | - | 1 | 1790 & Subs |
| 30 | 2029 | 145-42201-111 | Flipper Valve | - | Cabin Heater Valve | - | - | 1 | 1790 & Subs |
| 31 | 2030 | 145-42118-3 | Collector Assy | - | Engine Exhaust (Welded) LH | - | - | 1 | 1790 & Subs |
| | 2031 | 145-42119-3 | Collector Assy | - | Engine Exhaust (Welded) RH | - | - | 1 | 1790 & Subs |
| | 9100-1 | 20990 | Stud | - | (Furnished With Continental Engine) | - | - | 6 | |
| | 9100-2 | 22022 | Nut | - | (Furnished With Continental Engine) | - | - | 6 | |
| | 9100-3 | 21493 | Gasket | - | (Furnished With Continental Engine) | - | - | 3 | |
| 32 | 2032 | 145-42125 | Tube | - | Exhaust Collector Stabilizer LH | - | - | 1 | 1790 & Subs |
| | 2033 | 145-42126 | Tube | - | Exhaust Collector Stabilizer RH | - | - | 1 | 1790 & Subs |
| 33 | | AN4-7A | Bolt | - | Aircraft 1/4-28 | - | - | 1 | 1790 & Subs |
| | | AN365-428 | Nut | - | Self Locking | - | - | 1 | 1790 & Subs |
| | | AN960-416 | Washer | - | Plain | - | - | 4 | 1790 & Subs |
| 34 | 2034 | 145-42124 | Clip | - | Exhaust Collector Stabilizer | - | - | 1 | 1790 & Subs |
| 35 | 2035 | 145-42118-5 | Shroud Assy | - | Engine Exhaust (Welded) LH | - | - | 1 | 1790 & Subs |
| 36 | 2036 | 145-42129 | Shroud Assy | - | Engine Exhaust (Welded) RH | - | - | 1 | 1790 & Subs |
| 37 | 9463 | QS-200M-84S | Clamp | - | (Aero Seal) | - | - | 2 | 1790 & Subs |
| 38 | | AN960-10 | Washer | - | Plain | - | - | 1 | 1790 & Subs |
| 39 | | AN365-1032 | Nut | - | Self Locking | - | - | 1 | 1790 & Subs |
| 40 | 2037 | 145-42121 | Tail Pipe Assy LH | - | - | - | - | 1 | 1790 & Subs |
| 41 | 2038 | 145-42123 | Tail Pipe Assy RH | - | - | - | - | 1 | 1790 & Subs |
| 42 | 2039 | 145-42118-35 | Support | - | Tail Pipe RH | - | - | 1 | 1790 & Subs |
| 43 | | AN4-5A | Bolt | - | Aircraft 1/4-28 | - | - | 2 | 1790 & Subs |
| 44 | | AN960-416 | Washer | - | Plain | - | - | 2 | 1790 & Subs |
| 45 | | AN363-428 | Nut | - | Self Locking | - | - | 2 | 1790 & Subs |
| 46 | | AN393-11 | Clevis Pin | - | - | - | - | 1 | 1790 & Subs |
| 47 | | AN960-10 | Washer | - | Plain | - | - | 1 | 1790 & Subs |
| 48 | | AN380-2-2 | Cotter | - | - | - | - | 1 | 1790 & Subs |
| 49 | 2040 | 145-42127-SA#1 | Shroud Assy | - | Tailpipe LH | - | - | 1 | 1790 & Subs |
| 50 | 2042 | 145-42127-11 | Bracket | - | Tailpipe Shroud LH | - | - | 1 | 1790 & Subs |
| 51 | | AN3-4 | Bolt | - | Aircraft 10-32 | - | - | 1 | 1790 & Subs |
| 52 | | AN362F-1032 | Nut Plate | - | - | - | - | 1 | 1790 & Subs |
| 53 | 2044 | 145-42127-5 | Seal | - | Shroud LH | - | - | 1 | 1790 & Subs |
| 54 | 2045 | 145-42127-6 | Clamp | - | Shroud LH | - | - | 1 | 1790 & Subs |
| 55 | | AN3-5 | Bolt | - | Aircraft 10-32 | - | - | 8 | 1790 & Subs |
| 56 | | AN960-10 | Washer | - | Plain | - | - | 8 | 1790 & Subs |
| 57 | | AN362F-1032 | Nut | - | Self Locking (High Temperature) | - | - | 8 | 1790 & Subs |
| 58 | 2046 | 145-42128-SA#1 | Shroud Assy | - | Tailpipe RH | - | - | 1 | 1790 & Subs |
| 59 | 2050 | 145-42128-5 | Seal | - | Shroud RH | - | - | 1 | 1790 & Subs |
| 60 | 2051 | 145-42128-4 | Patch | - | Shroud RH | - | - | 1 | 1790 & Subs |
| 61 | 2053 | 145-42128-11 | Support | - | Aft Tailpipe Shroud RH | - | - | 1 | 1790 & Subs |