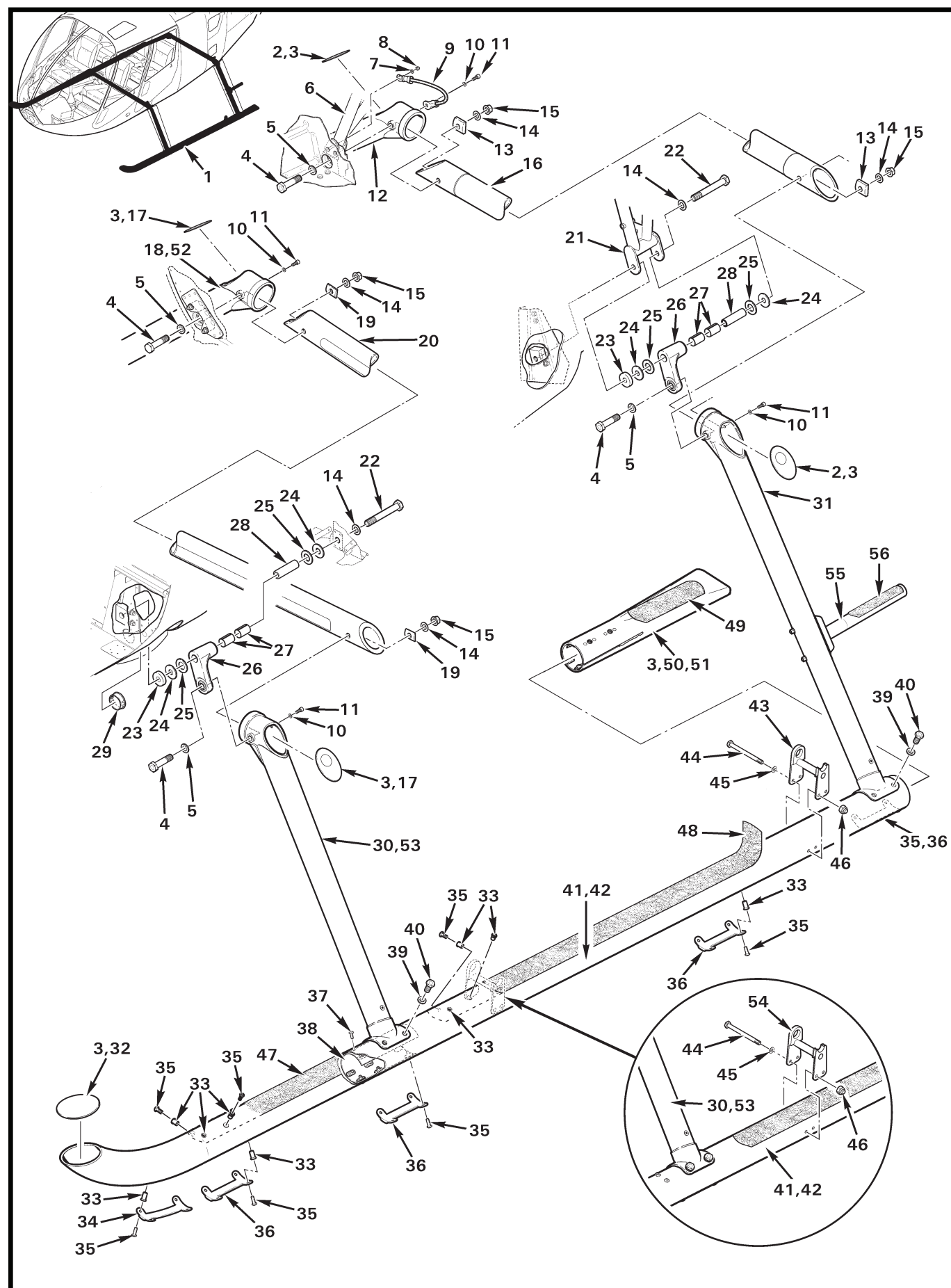


**CHAPTER 32****LANDING GEAR**

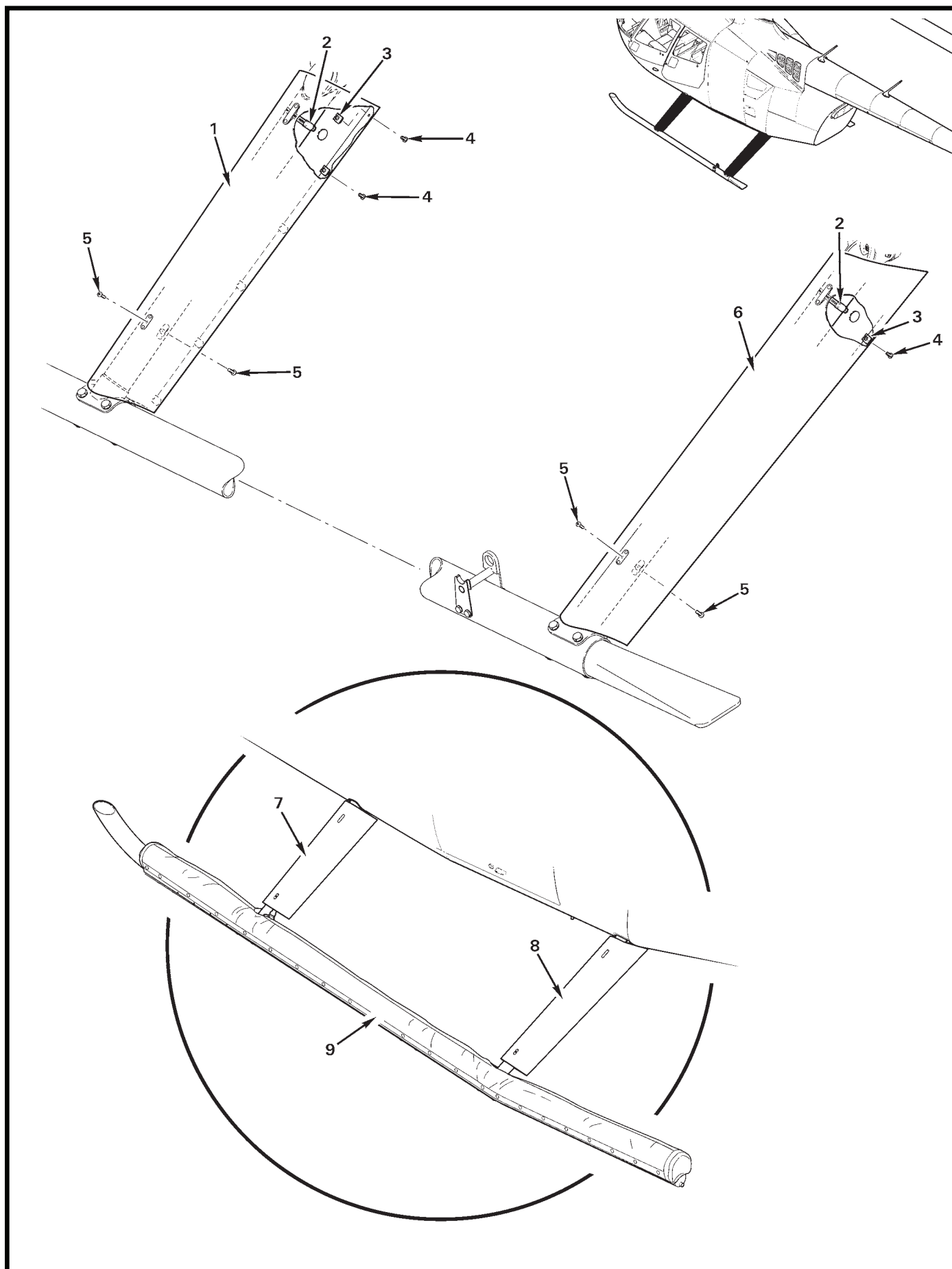
| <i>Figure</i> | <i>Title</i>                                                | <i>Page</i> |
|---------------|-------------------------------------------------------------|-------------|
| 32-1          | Landing Gear Assembly . . . . .                             | 32.0        |
| 32-5          | Strut Fairing Assembly . . . . .                            | 32.4        |
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| 32-9          | Pop-Out Floats – Lever Assembly . . . . .                   | 32.8        |
| 32-11         | Pop-Out Floats – Float Assembly Installation . . . . .      | 32.10       |
| 32-15         | Pop-Out Floats – Hose Assembly Installation . . . . .       | 32.14       |
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| 32-19         | Skid Step Installation (Small) . . . . .                    | 32.18       |
| 32-21         | Skid Step Installation (Long) . . . . .                     | 32.20       |



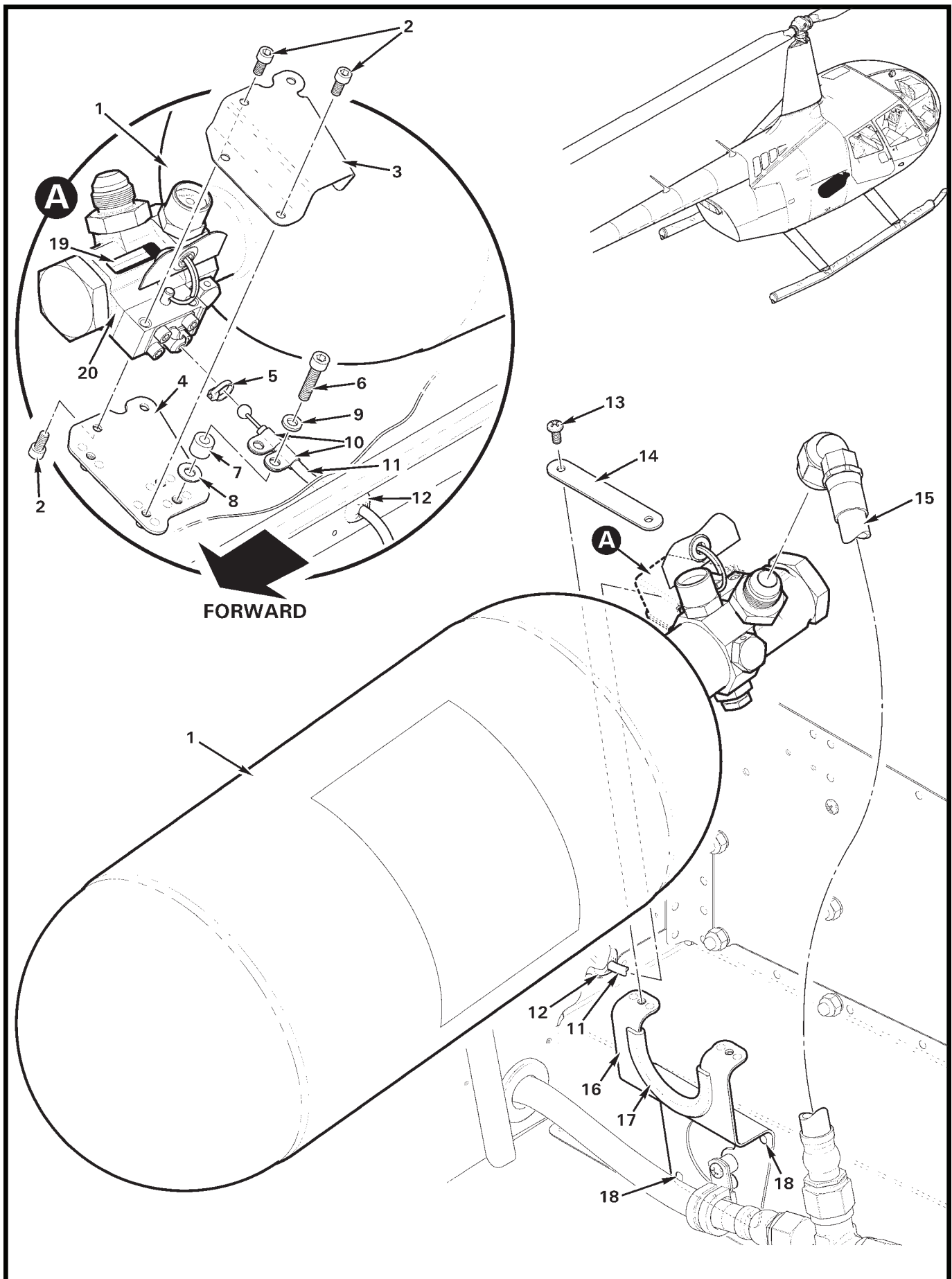
| FIGURE<br>AND<br>INDEX<br>NUMBER | PART NUMBER    | DESCRIPTION                                                                                                                               | PARTS<br>AVAIL | QTY<br>PER<br>ASSY |
|----------------------------------|----------------|-------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------|
|                                  |                | <b>LANDING GEAR ASSEMBLY</b>                                                                                                              |                |                    |
| 32-1-1                           | F014-2         | Landing Gear Assembly (Incl items 3, 10 thru 12, 16, 18, 20, and 30 thru 51) . . . . .                                                    | X              | 1                  |
|                                  | F014-5         | Landing Gear Assembly – Extended Gear (Incl items 3, 10 thru 12, 16, 20, and 31 thru 53. Optional; STD on Police and ENG ship.) . . . . . | X              | 1                  |
| 2                                | C247-3         | Cap (clear, bond in place with window up, painted side against cross tube, using item 3) . . . . .                                        | X              | 2                  |
| 3                                | B270-1         | Sealant . . . . .                                                                                                                         | X              | A/R                |
| 4                                | NAS6607-20     | Bolt . . . . .                                                                                                                            | X              | 4                  |
| 5                                | C141-4         | Washer . . . . .                                                                                                                          | X              | 4                  |
| 6                                | F046-2         | Lower Frame (RH, Ref; see Figure 53-7)                                                                                                    |                |                    |
| 7                                | NAS1149F0432P* | Washer (Ref)                                                                                                                              |                |                    |
| 8                                | MS21042L4*     | Nut (Ref)                                                                                                                                 |                |                    |
| 9                                | A936-3*        | Wire Assembly . . . . .                                                                                                                   | X              | 1                  |
| 10                               | NAS620-10L     | Washer . . . . .                                                                                                                          | X              | 4                  |
| 11                               | NAS1351-3LE8P  | Screw . . . . .                                                                                                                           | X              | 4                  |
| 12                               | F239-2         | Strut Assembly (RH, aft) . . . . .                                                                                                        | X              | 1                  |
| 13                               | F247-1         | Spacer . . . . .                                                                                                                          | X              | 2                  |
| 14                               | NAS1149F0732P  | Washer . . . . .                                                                                                                          | X              | 6                  |
| 15                               | D210-7         | Nut . . . . .                                                                                                                             | X              | 4                  |
| 16                               | F241-3         | Cross Tube (aft) . . . . .                                                                                                                | X              | 1                  |
| 17                               | F411-9         | Cap (clear, bond in place with window up, painted side against cross tube, using item 3) . . . . .                                        | X              | 2                  |
| 18                               | F239-4         | Strut Assembly (RH, fwd) . . . . .                                                                                                        | X              | 1                  |
| 19                               | F247-2         | Spacer . . . . .                                                                                                                          | X              | 2                  |
| 20                               | F241-4         | Cross Tube (forward) . . . . .                                                                                                            | X              | 1                  |
| 21                               | F046-1         | Lower Frame (LH, Ref)                                                                                                                     |                |                    |
| 22                               | NAS6607-44     | Bolt . . . . .                                                                                                                            | X              | 2                  |
| 23                               | C141-6         | Washer . . . . .                                                                                                                          | X              | 2                  |
| 24                               | C141-5         | Washer . . . . .                                                                                                                          | X              | 4                  |
| 25                               | A214-10        | Washer . . . . .                                                                                                                          | X              | 4                  |
| 26                               | C276-3         | Shackle Assembly . . . . .                                                                                                                | X              | 2                  |
| 27                               | LJS-1016       | Bearing . . . . .                                                                                                                         | X              | 4                  |
| 28                               | C105-1         | Journal . . . . .                                                                                                                         | X              | 2                  |
| 29                               | 2740           | Hole Plug . . . . .                                                                                                                       | X              | 1                  |
| 30                               | F239-3         | Strut Assembly (LH, fwd) . . . . .                                                                                                        | X              | 1                  |
| <b>NOTES</b> * Earlier aircraft. |                |                                                                                                                                           |                |                    |
|                                  |                |                                                                                                                                           |                | Continues          |

| FIGURE<br>AND<br>INDEX<br>NUMBER                                                                                               | PART NUMBER     | DESCRIPTION                                                                                             | PARTS<br>AVAIL | QTY<br>PER<br>ASSY |
|--------------------------------------------------------------------------------------------------------------------------------|-----------------|---------------------------------------------------------------------------------------------------------|----------------|--------------------|
|                                                                                                                                |                 | LANDING GEAR ASSEMBLY (Cont'd)                                                                          |                |                    |
| 32-1-31                                                                                                                        | F239-1          | Strut Assembly (LH, aft) . . . . .                                                                      | X              | 1                  |
| 32                                                                                                                             | C247-1          | Rain Cap (install using item 3) . . . . .                                                               | X              | 2                  |
| 33                                                                                                                             | NAS1330H3K116L  | Rivnut . . . . .                                                                                        | X              | 30                 |
| 34                                                                                                                             | A667-8          | Skid Shoe (curved) . . . . .                                                                            | X              | 2                  |
| 35                                                                                                                             | A142-1          | Screw . . . . .                                                                                         | X              | 44                 |
| 36                                                                                                                             | A667-7          | Skid Shoe (straight) . . . . .                                                                          | X              | 8                  |
| 37                                                                                                                             | A142-3          | Screw . . . . .                                                                                         | X              | 8                  |
| 38                                                                                                                             | C246-5          | Liner Assembly (LH, includes nutplates) . . . . .                                                       | X              | 1                  |
|                                                                                                                                | C246-6          | Liner Assembly (RH, includes nutplates) . . . . .                                                       | X              | 1                  |
| 39                                                                                                                             | NAS1149F0663P   | Washer . . . . .                                                                                        | X              | 16                 |
| 40                                                                                                                             | NAS6606-4       | Bolt . . . . .                                                                                          | X              | 16                 |
| 41                                                                                                                             | C242-7          | Skid Tube Assembly (LH, includes C242-5 skid tube, and<br>items 3, 32, 33, 37, 38) . . . . .            | O              | 1                  |
|                                                                                                                                | C242-9*         | Skid Tube Assembly (LH, includes C242-7 and is painted) . . .                                           | X              | 1                  |
| 42                                                                                                                             | C242-8          | Skid Tube Assembly (RH, includes C242-6 skid tube, and<br>items 3, 32, 33, 37, 38; not shown) . . . . . | O              | 1                  |
|                                                                                                                                | C242-10*        | Skid Tube Assembly (RH, includes C242-8 and is painted) . . .                                           | X              | 1                  |
| 43                                                                                                                             | C719-1          | Support Weldment . . . . .                                                                              | X              | 2                  |
| 44                                                                                                                             | NAS6604-46**    | Bolt . . . . .                                                                                          | X              | 4                  |
| 45                                                                                                                             | NAS1149F0432P** | Washer . . . . .                                                                                        | X              | 4                  |
| 46                                                                                                                             | B340-10**       | Nut . . . . .                                                                                           | X              | 4                  |
| 47                                                                                                                             | A751-4          | Strip (not installed on ships with skid steps; see Figure<br>32-19) . . . . .                           | X              | 2                  |
| 48                                                                                                                             | A751-5          | Strip . . . . .                                                                                         | X              | 2                  |
|                                                                                                                                | A751-9          | Strip (install on ships with skid steps) . . . . .                                                      | X              | 2                  |
| 49                                                                                                                             | A751-6          | Strip (installed on item 50 [LH] only; earlier ships without<br>item 55) . . . . .                      | X              | 1                  |
| 50                                                                                                                             | C937-1          | Skid Extension (LH, fill gap with item 3) . . . . .                                                     | X              | 1                  |
| 51                                                                                                                             | C937-2          | Skid Extension (RH, fill gap with item 3, not shown) . . . . .                                          | X              | 1                  |
| 52                                                                                                                             | F239-6          | Strut Assembly – Extended Gear (RH; not shown) . . . . .                                                | X              | 1                  |
| 53                                                                                                                             | F239-5          | Strut Assembly – Extended Gear (LH; not shown) . . . . .                                                | X              | 1                  |
| 54                                                                                                                             | C719-1          | Support Weldment (Police and ENG ships) . . . . .                                                       | X              | 2                  |
| 55                                                                                                                             | F780-1          | Step Assembly (see Figure 32-19) . . . . .                                                              | X              | 1                  |
| 56                                                                                                                             | A751-7          | Strip . . . . .                                                                                         | X              | 1                  |
| NOTES * Spares; revision P and subsequent have provisions for Skid Steps.<br>** Quantity is [8] each when item 54 is installed |                 |                                                                                                         |                |                    |

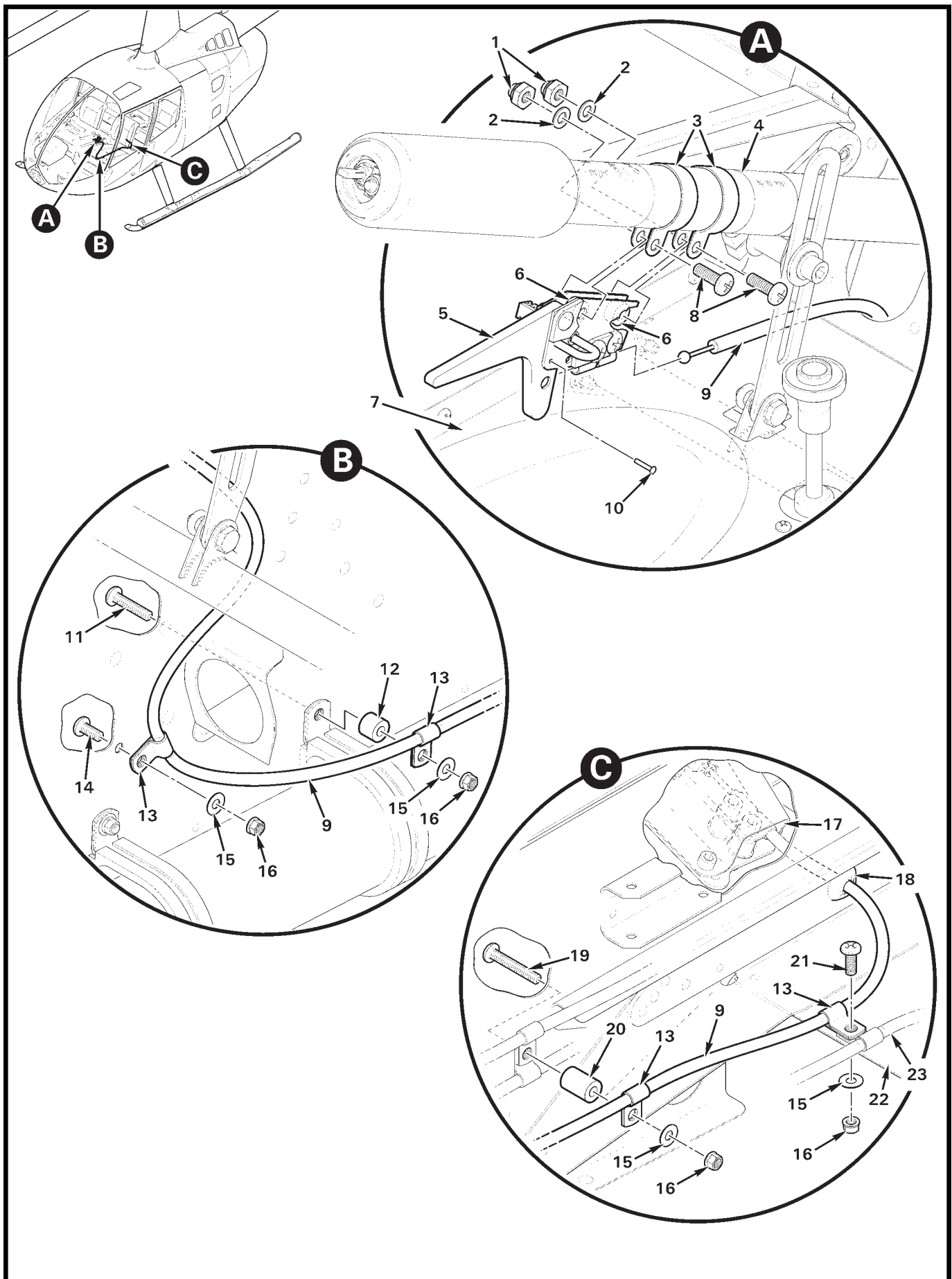
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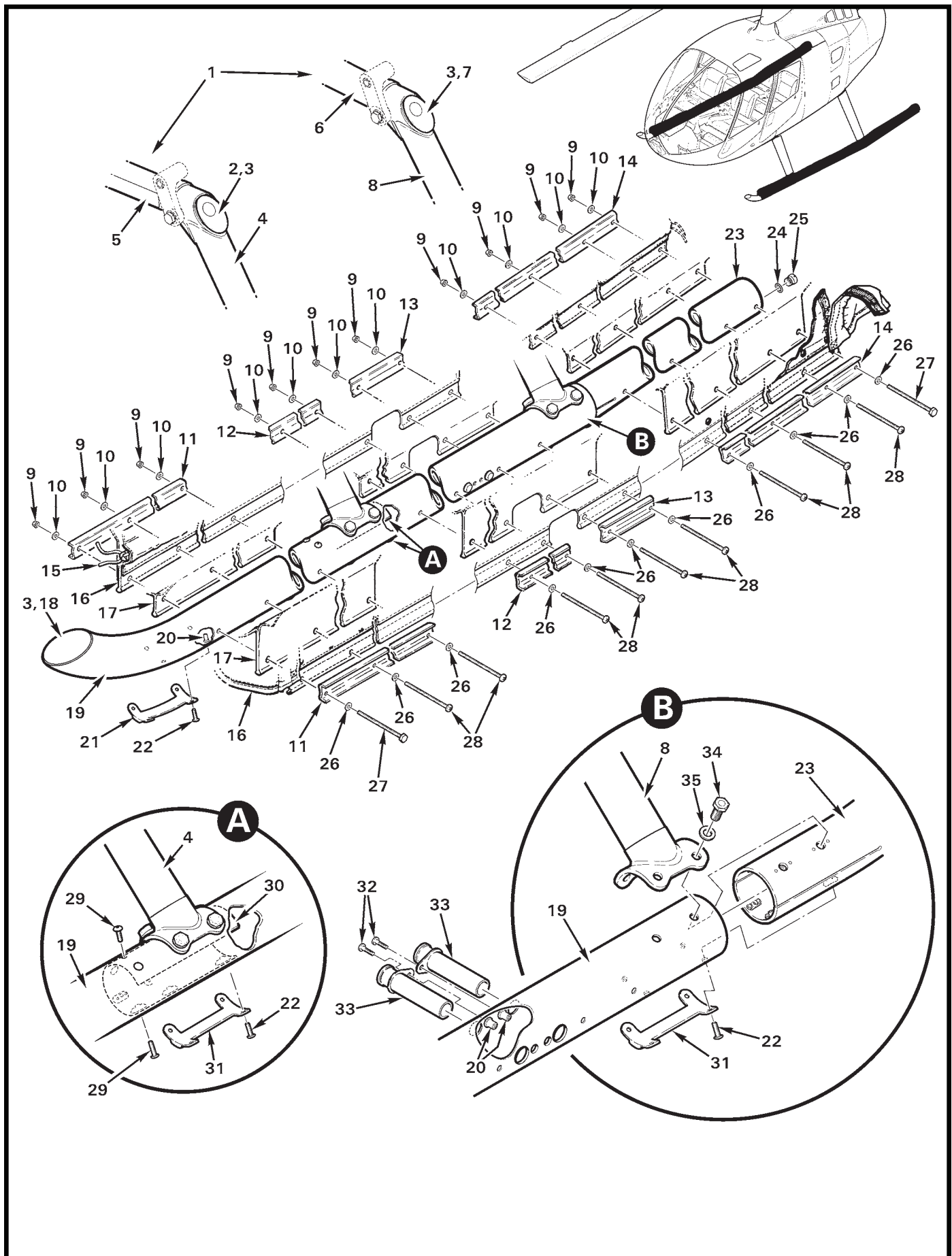
| FIGURE<br>AND<br>INDEX<br>NUMBER     | PART NUMBER  | DESCRIPTION                                                   | PARTS<br>AVAIL | QTY<br>PER<br>ASSY |
|--------------------------------------|--------------|---------------------------------------------------------------|----------------|--------------------|
|                                      |              | STRUT FAIRING ASSEMBLY                                        |                |                    |
| 32-5-1                               | F082-3       | Fairing Assembly – Forward (LH) . . . . .                     | X              | 1                  |
|                                      | F082-2       | Fairing Assembly – Forward (RH, not shown) . . . . .          | X              | 1                  |
|                                      | F082-23      | Fairing Assembly – Forward (LH, not shown; Extended Gear) . . | X              | 1                  |
|                                      | F082-22      | Fairing Assembly – Forward (RH, not shown; Extended Gear)     | X              | 1                  |
| 2                                    | B277-28      | Clamp . . . . .                                               | X              | 4                  |
| 3                                    | B162-3       | Clipnut . . . . .                                             | X              | 26                 |
| 4                                    | B526-6       | Screw (rev. E and subsequent fairing assemblies) . . . . .    | X              | 26                 |
|                                      | MS27039C0805 | Screw (rev. D or earlier fairing assemblies) . . . . .        | X              | 26                 |
| 5                                    | MS27039C0810 | Screw . . . . .                                               | X              | 8                  |
| 6                                    | F082-5       | Fairing Assembly – Aft (LH) . . . . .                         | X              | 1                  |
|                                      | F082-4       | Fairing Assembly – Aft (RH, not shown) . . . . .              | X              | 1                  |
| 7                                    | F082-13*     | Fairing Assembly – Forward (LH) . . . . .                     | X              | 1                  |
|                                      | F082-12*     | Fairing Assembly – Forward (RH, not shown) . . . . .          | X              | 1                  |
| 8                                    | F082-15*     | Fairing Assembly – Aft (LH) . . . . .                         | X              | 1                  |
|                                      | F082-14*     | Fairing Assembly – Aft (RH, not shown) . . . . .              | X              | 1                  |
| 9                                    | C950         | Float Tube (Ref)                                              |                |                    |
| NOTES * Pop-out Float equipped R66s. |              |                                                               |                |                    |



| FIGURE<br>AND<br>INDEX<br>NUMBER | PART NUMBER   | DESCRIPTION                                                                                 | PARTS<br>AVAIL | QTY<br>PER<br>ASSY |
|----------------------------------|---------------|---------------------------------------------------------------------------------------------|----------------|--------------------|
|                                  |               | <b>POP-OUT FLOATS – CYLINDER ASSEMBLY<br/>INSTALLATION</b>                                  |                |                    |
| 32-7-1                           | D679-3        | Cylinder Assembly . . . . .                                                                 | X              | 1                  |
| 2                                | NAS1352-08-6P | Screw . . . . .                                                                             | X              | 6                  |
| 3                                | D761-2        | Cover . . . . .                                                                             | X              | 1                  |
| 4                                | D761-1        | Support Assembly . . . . .                                                                  | X              | 1                  |
| 5                                | MS3367-4-9    | Ty-rap . . . . .                                                                            | X              | 1                  |
| 6                                | NAS1351-3-14P | Screw . . . . .                                                                             | X              | 2                  |
| 7                                | C130-26       | Spacer . . . . .                                                                            | X              | 2                  |
| 8                                | NAS1149F0332P | Washer . . . . .                                                                            | X              | 2                  |
| 9                                | NAS620-10     | Washer . . . . .                                                                            | X              | 2                  |
| 10                               | AN735-3       | Clamp . . . . .                                                                             | X              | 2                  |
| 11                               | D676-2        | Cable Assembly (Use item 5 to retain ball in bottle trigger.<br>Ref, see Figure 32-9.)      |                |                    |
| 12                               | B270-1        | Sealant . . . . .                                                                           | X              | A/R                |
| 13                               | MS27039C0806  | Screw . . . . .                                                                             | X              | 2                  |
| 14                               | D669-3        | Strap . . . . .                                                                             | X              | 1                  |
| 15                               | D674-9        | Hose Assembly . . . . .                                                                     | X              | 1                  |
| 16                               | D669-6        | Cradle Assembly (Incl item 17) . . . . .                                                    | X              | 1                  |
| 17                               | A226-11       | Trim . . . . .                                                                              | X              | A/R                |
| 18                               | MS20470AD4    | Rivet . . . . .                                                                             | X              | 6                  |
| 19                               | —             | Data Plate (Ref; B900-8 modification, D758-2 with D758-4<br>attributes)                     |                |                    |
| 20                               | D758-4        | Housing (Ref)                                                                               |                |                    |
|                                  | D758-2        | Housing with B900-8 Modification (Ref; D758-2 with D758-<br>4 attributes, includes item 19) |                |                    |
| NOTES                            |               |                                                                                             |                |                    |



| FIGURE<br>AND<br>INDEX<br>NUMBER | PART NUMBER   | DESCRIPTION                                                                            | PARTS<br>AVAIL | QTY<br>PER<br>ASSY |
|----------------------------------|---------------|----------------------------------------------------------------------------------------|----------------|--------------------|
|                                  |               | POP-OUT FLOATS – LEVER ASSEMBLY                                                        |                |                    |
| 32-9-1                           | B340-8        | Nut . . . . .                                                                          | X              | 2                  |
| 2                                | NAS620-10L    | Washer . . . . .                                                                       | X              | 2                  |
| 3                                | D675-4        | Clamp . . . . .                                                                        | X              | 2                  |
| 4                                | F758-1        | Collective Stick Assembly – Pilot (RH, Ref; see Figure 67-15<br>for complete assembly) |                |                    |
| 5                                | D680-1        | Lever Assembly (Incl items 1 thru 3, 6, 8, and 10) . . . . .                           | X              | 1                  |
| 6                                | A130-21       | Spacer . . . . .                                                                       | X              | 2                  |
| 7                                | F445-3        | Cover Assembly (Ref, see Figure 6-1)                                                   | X              | 2                  |
| 8                                | MS27039C1-09  | Screw . . . . .                                                                        | X              | 2                  |
| 9                                | D676-2        | Cable Assembly . . . . .                                                               | X              | 1                  |
| 10                               | MS20470A2-6-5 | Rivet . . . . .                                                                        | X              | 1                  |
| 11                               | MS27039C0812  | Screw . . . . .                                                                        | X              | 1                  |
| 12                               | A130-33       | Spacer . . . . .                                                                       | X              | 1                  |
| 13                               | AN742-3       | Clamp . . . . .                                                                        | X              | 4                  |
| 14                               | MS27039C0806  | Screw . . . . .                                                                        | X              | 1                  |
| 15                               | NAS1149FN816P | Washer . . . . .                                                                       | X              | 4                  |
| 16                               | MS21042L08    | Nut . . . . .                                                                          | X              | 4                  |
| 17                               | D761-1        | Support Assembly – Valve, Float Ships (Ref, see Figure 32-7)                           |                |                    |
| 18                               | B270-1        | Sealant . . . . .                                                                      | X              | A/R                |
| 19                               | MS27039C0816  | Screw . . . . .                                                                        | X              | 1                  |
| 20                               | A130-38       | Spacer . . . . .                                                                       | X              | 1                  |
| 21                               | MS27039C0808  | Screw . . . . .                                                                        | X              | 1                  |
| 22                               | F375-1        | Cover (Ref)                                                                            |                |                    |
| 23                               | A522-14       | Control (Ref)                                                                          |                |                    |
| NOTES                            |               |                                                                                        |                |                    |



| FIGURE<br>AND<br>INDEX<br>NUMBER | PART NUMBER     | DESCRIPTION                                                                                | PARTS<br>AVAIL | QTY<br>PER<br>ASSY |
|----------------------------------|-----------------|--------------------------------------------------------------------------------------------|----------------|--------------------|
|                                  |                 | POP-OUT FLOATS – FLOAT ASSEMBLY INSTALLATION                                               |                |                    |
| 32-11-1                          | F014-4          | Landing Gear Assembly – Pop-Out Floats (Incl items 2 thru 8, 19, 23, 34, and 35) . . . . . | X              | 1                  |
| 2                                | F411-9          | Rain Cap – Forward (Ref, install using item 3)                                             |                |                    |
| 3                                | B270-1*         | Sealant (2 oz. tube) . . . . .                                                             | X              | A/R                |
| 4                                | F239-3          | Strut Assembly – Forward (LH) . . . . .                                                    | X              | 1                  |
|                                  | F239-4          | Strut Assembly – Forward (RH) . . . . .                                                    | X              | 1                  |
| 5                                | F241-4*         | Cross Tube – Forward (Ref)                                                                 |                |                    |
| 6                                | F241-3*         | Cross Tube – Aft (Ref)                                                                     |                |                    |
| 7                                | C247-3          | Rain Cap – Aft (Ref, install using item 3)                                                 |                |                    |
| 8                                | F239-1          | Strut Assembly – Aft (LH) . . . . .                                                        | X              | 1                  |
|                                  | F239-2          | Strut Assembly – Aft (RH) . . . . .                                                        | X              | 1                  |
| 9                                | MS21042L3       | Nut . . . . .                                                                              | X              | 62                 |
| 10                               | NAS1149F0332P** | Washer (or NAS1149F0363P as required for proper nut engagement) . . . . .                  | X              | A/R                |
| 11                               | C944-1          | Strip . . . . .                                                                            | X              | 4                  |
| 12                               | C944-4          | Strip . . . . .                                                                            | X              | 4                  |
| 13                               | C944-5          | Strip . . . . .                                                                            | X              | 4                  |
| 14                               | C944-3          | Strip . . . . .                                                                            | X              | 4                  |
| 15                               | M11029          | Cord . . . . .                                                                             | X              | 1                  |
| 16                               | C950-17         | Cover (LH; SMR Float. Includes item 15.) . . . . .                                         | X              | 1                  |
|                                  | C950-25         | Cover (LH; ACC Float. Includes item 15.) . . . . .                                         | X              | 1                  |
|                                  | C950-18         | Cover (RH, SMR Float, not shown. Includes item 15.) . . . . .                              | X              | 1                  |
|                                  | C950-26         | Cover (RH; ACC Float, not shown. Includes item 15.) . . . . .                              | X              | 1                  |
| 17                               | C950-19 or -23  | Float Assembly – LH (Ref, see Figure 32-17)                                                |                |                    |
|                                  | C950-20 or -24  | Float Assembly – RH (Ref, see Figure 32-17; not shown)                                     |                |                    |
| 18                               | C247-1          | Rain Cap (bond in place using item 3) . . . . .                                            | X              | 2                  |
| 19                               | C943-7          | Skid Tube (LH; does not include item 23) . . . . .                                         | X              | 1                  |
|                                  | C943-8          | Skid Tube (RH; does not include item 23) . . . . .                                         | X              | 1                  |
| 20                               | NAS1330H3K116L  | Rivnut . . . . .                                                                           | X              | 24                 |
| 21                               | A667-8          | Skid Shoe (curved, install using item 22) . . . . .                                        | X              | 2                  |
| 22                               | A142-1          | Screw . . . . .                                                                            | X              | 40                 |
| 23                               | C945-1          | Skid Extension (LH) . . . . .                                                              | X              | 1                  |
|                                  | C945-2          | Skid Extension (RH, not shown) . . . . .                                                   | X              | 1                  |
| 24                               | A215-013        | O-Ring . . . . .                                                                           | X              | 1                  |
| 25                               | B202-1          | Drain Plug Assembly (Incl item 24) . . . . .                                               | X              | 2                  |

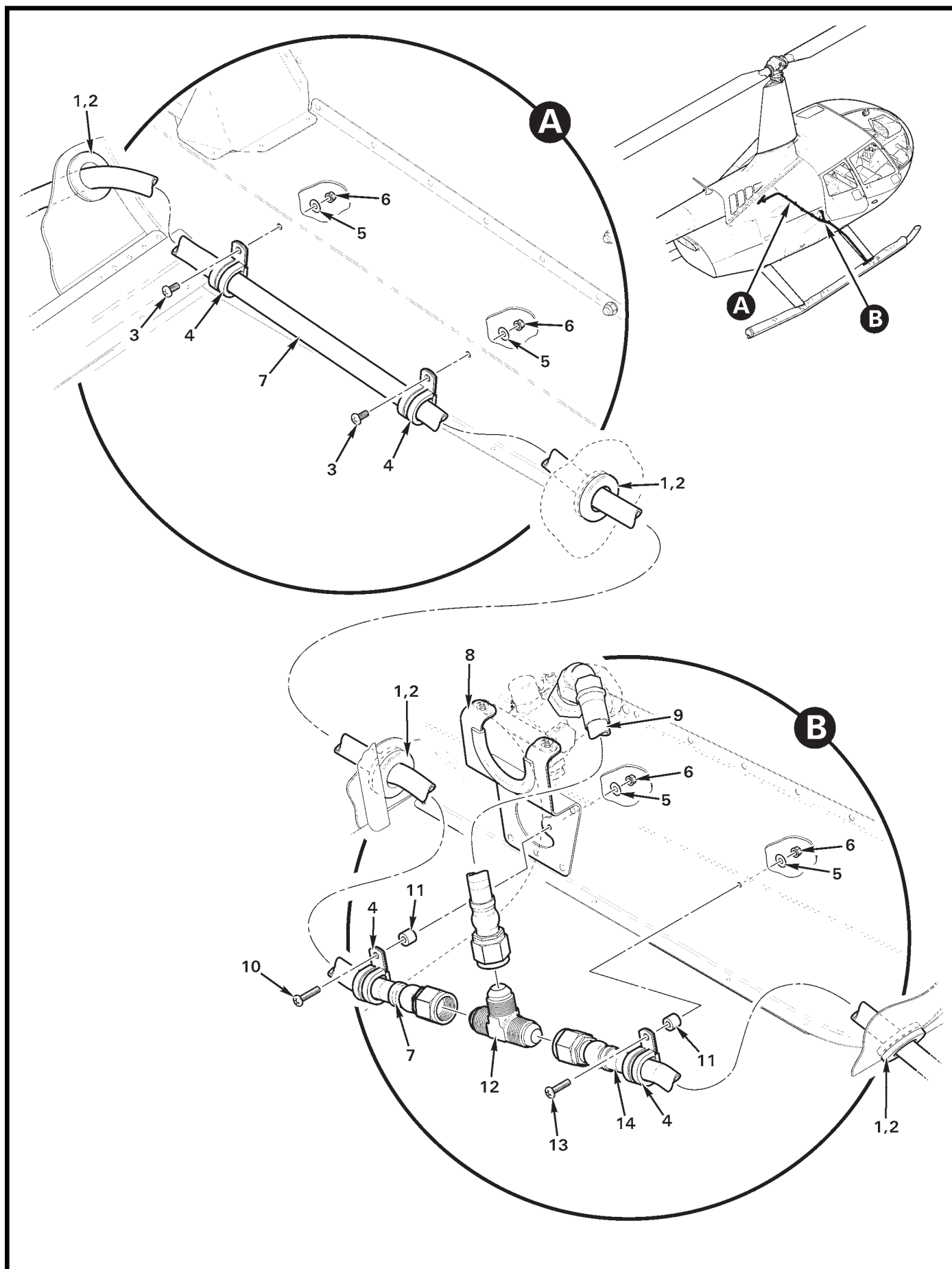
NOTES \* See also Figure 32-1.

\*\* See R66 Maintenance Manual for location and usage.

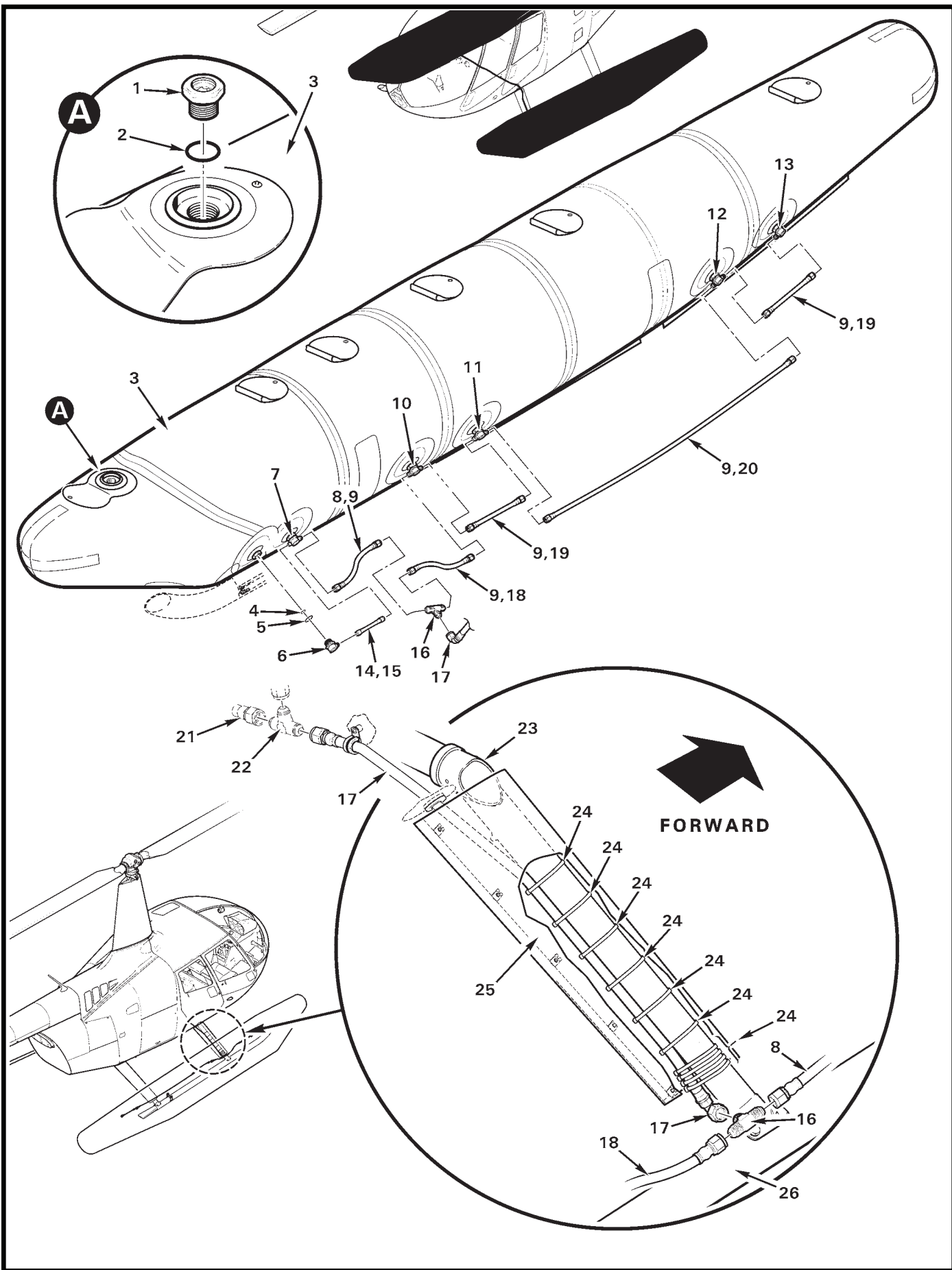
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| FIGURE<br>AND<br>INDEX<br>NUMBER                           | PART NUMBER    | DESCRIPTION                                                                                           | PARTS<br>AVAIL | QTY<br>PER<br>ASSY |
|------------------------------------------------------------|----------------|-------------------------------------------------------------------------------------------------------|----------------|--------------------|
|                                                            |                | POP-OUT FLOATS – FLOAT ASSEMBLY INSTALLATION<br>(Cont'd)                                              |                |                    |
| 32-11-26                                                   | NAS1149F0332P* | Washer (or NAS1149F0363P as required) . . . . .                                                       | X              | A/R                |
| 27                                                         | AN3-32A*       | Bolt (or MS27039DD1-47 or -51 screw as required for<br>proper nut engagement) . . . . .               | X              | 4                  |
| 28                                                         | MS27039DD1-51* | Screw (or MS27039DD1-47 or AN3-32A Bolt [item 27] as<br>required for proper nut engagement) . . . . . | X              | 58                 |
| 29                                                         | A142-3         | Screw . . . . .                                                                                       | X              | 8                  |
| 30                                                         | C246-5         | Liner Assembly (left skid) . . . . .                                                                  | X              | 1                  |
|                                                            | C246-6         | Liner Assembly (right skid) . . . . .                                                                 | X              | 1                  |
| 31                                                         | A667-7         | Skid Shoe (straight) . . . . .                                                                        | X              | 8                  |
| 32                                                         | MS27039C1-09   | Screw . . . . .                                                                                       | X              | 4                  |
| 33                                                         | D724-1         | Sleeve Weldment (2 per skid) . . . . .                                                                | X              | 4                  |
| 34                                                         | NAS6606-4      | Bolt . . . . .                                                                                        | X              | 16                 |
| 35                                                         | NAS1149F0663P  | Washer . . . . .                                                                                      | X              | 16                 |
| NOTES * See R66 Maintenance Manual for location and usage. |                |                                                                                                       |                |                    |

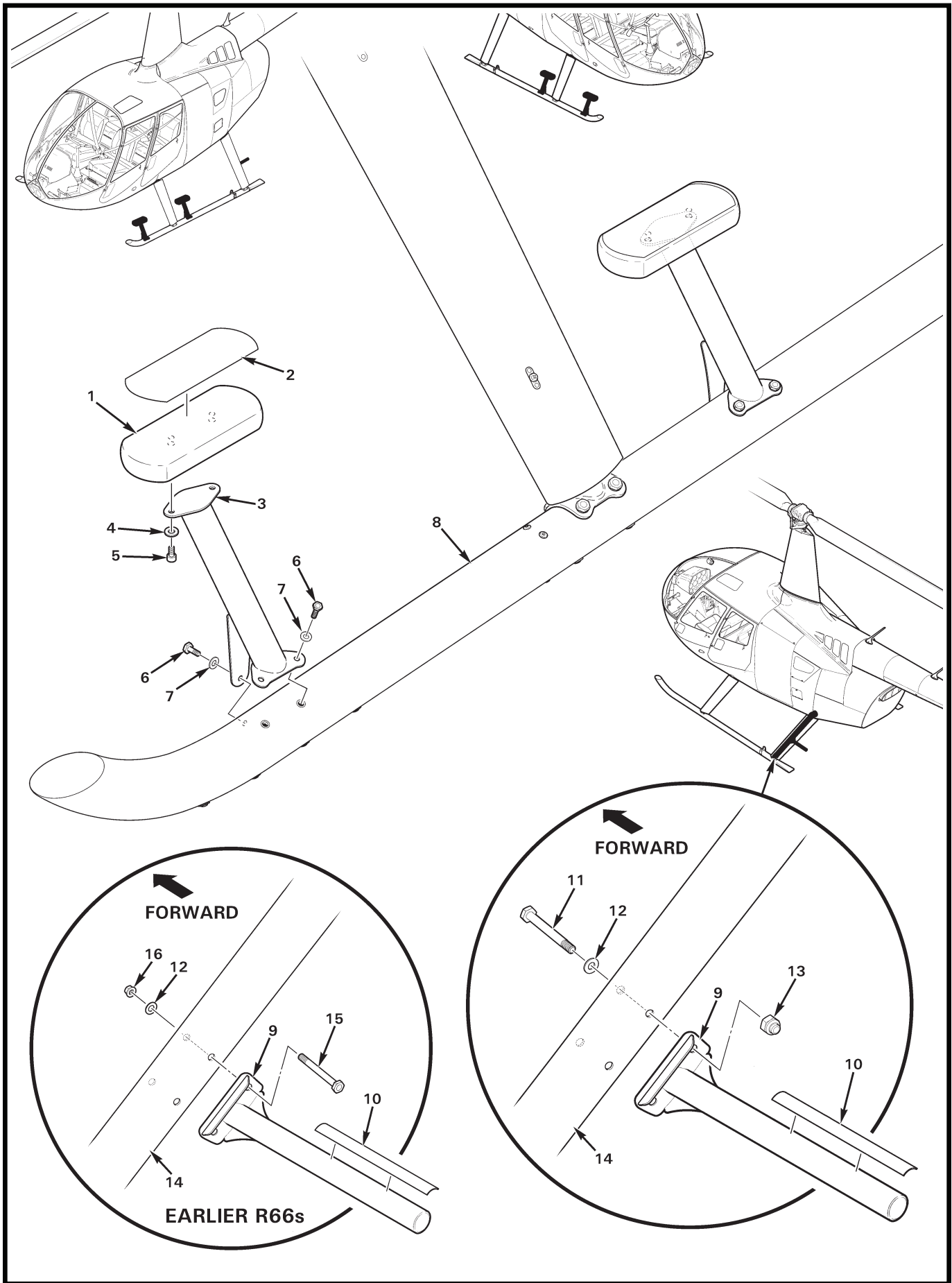
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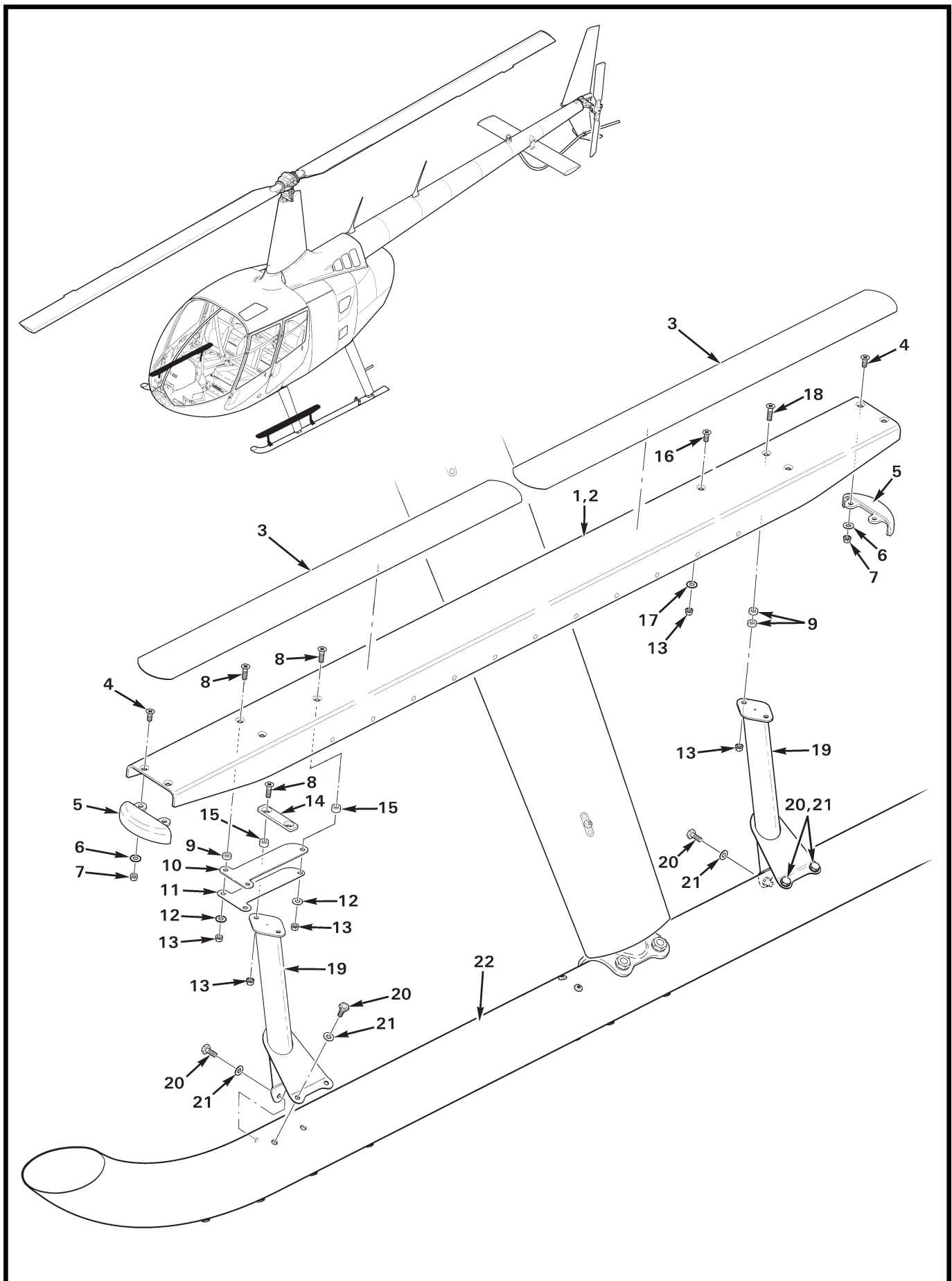
| FIGURE<br>AND<br>INDEX<br>NUMBER      | PART NUMBER     | DESCRIPTION                                                                                               | PARTS<br>AVAIL | QTY<br>PER<br>ASSY |
|---------------------------------------|-----------------|-----------------------------------------------------------------------------------------------------------|----------------|--------------------|
| 32-15-1                               | MS35489-20      | POP-OUT FLOATS – HOSE ASSEMBLY INSTALLATION                                                               |                |                    |
|                                       | 2 B270-1        | Grommet (Seal around both sides of grommet and item 7 with item 2, inside baggage compartment.) . . . . . | X              | 4                  |
|                                       | 3 MS27039C0806  | Sealant . . . . .                                                                                         | X              | A/R                |
|                                       | 4 MS21919WDG10  | Screw . . . . .                                                                                           | X              | 2                  |
|                                       | 5 NAS1149FN816P | Clamp . . . . .                                                                                           | X              | 4                  |
|                                       | 6 MS21042L08    | Washer . . . . .                                                                                          | X              | 4                  |
|                                       | 7 D674-13       | Nut . . . . .                                                                                             | X              | 4                  |
|                                       | 8 D669-6        | Hose Assembly (Ref, see Figure 32-17)                                                                     |                |                    |
|                                       | 9 D674-9        | Cradle Assembly . . . . .                                                                                 | X              | 1                  |
|                                       | 10 MS27039C0812 | Hose Assembly . . . . .                                                                                   | X              | 1                  |
|                                       | 11 A130-33      | Screw . . . . .                                                                                           | X              | 1                  |
|                                       | 12 AN824-8D     | Spacer . . . . .                                                                                          | X              | 2                  |
|                                       | 13 MS27039C0811 | Tee . . . . .                                                                                             | X              | 1                  |
|                                       | 14 D674-12      | Screw . . . . .                                                                                           | X              | 1                  |
| Hose Assembly (Ref, see Figure 32-17) |                 |                                                                                                           |                |                    |
| NOTES                                 |                 |                                                                                                           |                |                    |



| FIGURE<br>AND<br>INDEX<br>NUMBER                                                          | PART NUMBER | DESCRIPTION                                                   | PARTS<br>AVAIL | QTY<br>PER<br>ASSY |
|-------------------------------------------------------------------------------------------|-------------|---------------------------------------------------------------|----------------|--------------------|
|                                                                                           |             | <b>POP-OUT FLOATS – FLOAT ASSEMBLY AND HOSE<br/>ASSEMBLY</b>  |                |                    |
| 32-17-1                                                                                   | A-53001     | Valve – Pressure Topping and Relief (Incl item 2) . . . . .   | X              | 6                  |
| 2                                                                                         | A215-212    | O-Ring . . . . .                                              | X              | 1                  |
| 3                                                                                         | C950-24*    | Float Tube Assembly – RH (Six chamber, includes item 1) . . . | X              | 1                  |
|                                                                                           | C950-20**   | Float Tube Assembly – RH (Six chamber, includes item 1) . . . | X              | 1                  |
|                                                                                           | C950-23*    | Float Tube Assembly – LH (Six chamber, includes item 1) . . . | X              | 1                  |
|                                                                                           | C950-19**   | Float Tube Assembly – LH (Six chamber, includes item 1) . . . | X              | 1                  |
| 4                                                                                         | A215-110    | O-Ring . . . . .                                              | X              | 1                  |
| 5                                                                                         | A215-212    | O-Ring . . . . .                                              | X              | 1                  |
| 6                                                                                         | D770-1      | Valve Assembly (Incl items 4 and 5) . . . . .                 | X              | 1                  |
| 7                                                                                         | D770-2      | Valve Assembly (Incl items 4 and 5) . . . . .                 | X              | 1                  |
| 8                                                                                         | D674-11     | Hose Assembly (Incl item 9) . . . . .                         | X              | 1                  |
| 9                                                                                         | B158-116    | Heat Shrink . . . . .                                         | X              | A/R                |
| 10                                                                                        | D770-3      | Valve Assembly (Incl items 4 and 5) . . . . .                 | X              | 1                  |
| 11                                                                                        | D770-4      | Valve Assembly (Incl items 4 and 5) . . . . .                 | X              | 1                  |
| 12                                                                                        | D770-5      | Valve Assembly (Incl items 4 and 5) . . . . .                 | X              | 1                  |
| 13                                                                                        | D770-6      | Valve Assembly (Incl items 4 and 5) . . . . .                 | X              | 1                  |
| 14                                                                                        | D674-7      | Hose Assembly (Incl item 15) . . . . .                        | X              | 1                  |
| 15                                                                                        | B158-12     | Heat Shrink . . . . .                                         | X              | A/R                |
| 16                                                                                        | AN824-8D    | Tee (install using item 27) . . . . .                         | X              | 2                  |
| 17                                                                                        | D674-12     | Hose Assembly (Incl item 9) . . . . .                         | X              | 2                  |
| 18                                                                                        | D674-10     | Hose Assembly (Incl item 9) . . . . .                         | X              | 2                  |
| 19                                                                                        | D674-6      | Hose Assembly (Incl item 9) . . . . .                         | X              | 3                  |
| 20                                                                                        | D674-2      | Hose Assembly (Incl item 9) . . . . .                         | X              | 2                  |
| 21                                                                                        | D674-13     | Hose Assembly (Ref, see Figure 32-15)                         |                |                    |
| 22                                                                                        | AN824-8D    | Tee (Ref, see Figure 32-15)                                   |                |                    |
| 23                                                                                        | F239-4      | Strut Assembly – Forward, RH (Ref; see Figure 32-1)           |                |                    |
| 24                                                                                        | MS3367-7-9  | Ty-Rap ([10] per forward strut assembly) . . . . .            | X              | 20                 |
| 25                                                                                        | F082-12     | Fairing Assembly – Forward, RH (Ref; see Figure 32-5)         |                |                    |
| 26                                                                                        | C943-8      | Skid Tube – RH (Ref)                                          |                |                    |
| 27                                                                                        | B270-22     | Protectant . . . . .                                          | X              | A/R                |
| <b>NOTES</b> * Manufactured by Air Crusiers.<br>** Manufactured by SMR Technologies, Inc. |             |                                                               |                |                    |



| FIGURE<br>AND<br>INDEX<br>NUMBER                                                                                                                                                                                                                                                                          | PART NUMBER   | DESCRIPTION                                                                                     | PARTS<br>AVAIL | QTY<br>PER<br>ASSY |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------------------------------------------------------------------------------------------------|----------------|--------------------|
|                                                                                                                                                                                                                                                                                                           |               | SKID STEP INSTALLATION (SMALL)*                                                                 |                |                    |
| 32-19-1                                                                                                                                                                                                                                                                                                   | F781-1        | Step Assembly (incl item 2) . . . . .                                                           | X              | 4                  |
| 2                                                                                                                                                                                                                                                                                                         | A751-8        | Strip . . . . .                                                                                 | X              | 1                  |
| 3                                                                                                                                                                                                                                                                                                         | F780-2        | Support Weldment (RH and LH, FWD and AFT) . . . . .                                             | X              | 1                  |
| 4                                                                                                                                                                                                                                                                                                         | NAS1149F0363P | Washer . . . . .                                                                                | X              | 2                  |
| 5                                                                                                                                                                                                                                                                                                         | NAS1351-3-8P  | Screw . . . . .                                                                                 | X              | 2                  |
| 6                                                                                                                                                                                                                                                                                                         | NAS6603-3     | Bolt . . . . .                                                                                  | X              | 3                  |
| 7                                                                                                                                                                                                                                                                                                         | NAS1149F0332P | Washer . . . . .                                                                                | X              | 3                  |
| 8                                                                                                                                                                                                                                                                                                         | C242-7        | Skid Tube Assembly (LH) . . . . .                                                               | O              | 1                  |
|                                                                                                                                                                                                                                                                                                           | C242-9**      | Skid Tube Assembly (LH, includes C242-7 and is painted) . . .                                   | X              | 1                  |
|                                                                                                                                                                                                                                                                                                           | C242-8        | Skid Tube Assembly (RH) . . . . .                                                               | O              | 1                  |
|                                                                                                                                                                                                                                                                                                           | C242-10**     | Skid Tube Assembly (RH, includes C242-8 and is painted) . . .                                   | X              | 1                  |
| 9                                                                                                                                                                                                                                                                                                         | F780-1        | Step Assembly (left aft strut only; includes item 10) . . . . .                                 | X              | 1                  |
| 10                                                                                                                                                                                                                                                                                                        | A751-7        | Strip . . . . .                                                                                 | X              | 1                  |
| 11                                                                                                                                                                                                                                                                                                        | NAS6604-31    | Bolt . . . . .                                                                                  | X              | 2                  |
| 12                                                                                                                                                                                                                                                                                                        | NAS1149F0432P | Washer . . . . .                                                                                | X              | 2                  |
| 13                                                                                                                                                                                                                                                                                                        | B340-10       | Nut . . . . .                                                                                   | X              | 2                  |
| 14                                                                                                                                                                                                                                                                                                        | F239-1        | Strut Assembly (ref; revision J and subsequent include provisions for F780-1 step installation) |                |                    |
| 15                                                                                                                                                                                                                                                                                                        | NAS6604-32    | Bolt . . . . .                                                                                  | X              | 2                  |
| 16                                                                                                                                                                                                                                                                                                        | D210-4        | Nut . . . . .                                                                                   | X              | 2                  |
| <b>NOTES</b> * Optional equipment; cannot be installed with floats. Flight with one or more step assemblies and mounting hardware removed is permissible; quantities shown are for one step assembly.<br>** Revision O and subsequent Skid Tube Assemblies include provisions for Skid Step installation. |               |                                                                                                 |                |                    |



| FIGURE<br>AND<br>INDEX<br>NUMBER                                                                                                                                                                                                                                                                        | PART NUMBER   | DESCRIPTION                                                                                                    | PARTS<br>AVAIL | QTY<br>PER<br>ASSY |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----------------------------------------------------------------------------------------------------------------|----------------|--------------------|
|                                                                                                                                                                                                                                                                                                         |               | SKID STEP INSTALLATION (LONG)*                                                                                 |                |                    |
| 32-21-1                                                                                                                                                                                                                                                                                                 | F782-5        | Step Assembly — LH (incl items 2, 3, and 8 thru 19; install with sliders in FWD location) . . . . .            | X              | 1                  |
|                                                                                                                                                                                                                                                                                                         | F782-6        | Step Assembly — RH (incl items 2, 3, and 8 thru 19; install with sliders in FWD location; not shown) . . . . . | X              | 1                  |
| 2                                                                                                                                                                                                                                                                                                       | F782-4        | Step Assembly (LH or RH; includes items 4 thru 7) . . . . .                                                    | X              | 1                  |
| 3                                                                                                                                                                                                                                                                                                       | A751-10       | Strip (self-adhesive) . . . . .                                                                                | X              | 2                  |
| 4                                                                                                                                                                                                                                                                                                       | MS24694-S49   | Screw . . . . .                                                                                                | X              | 4                  |
| 5                                                                                                                                                                                                                                                                                                       | F783-4        | Cap . . . . .                                                                                                  | X              | 2                  |
| 6                                                                                                                                                                                                                                                                                                       | NAS1149F0332P | Washer . . . . .                                                                                               | X              | 4                  |
| 7                                                                                                                                                                                                                                                                                                       | D210-3        | Nut . . . . .                                                                                                  | X              | 4                  |
| 8                                                                                                                                                                                                                                                                                                       | MS24694-S52   | Screw . . . . .                                                                                                | X              | 5                  |
| 9                                                                                                                                                                                                                                                                                                       | A130-20       | Spacer . . . . .                                                                                               | X              | 6                  |
| 10                                                                                                                                                                                                                                                                                                      | F783-6        | Slider, plastic . . . . .                                                                                      | X              | 1                  |
| 11                                                                                                                                                                                                                                                                                                      | F783-3        | Slider, metal . . . . .                                                                                        | X              | 1                  |
| 12                                                                                                                                                                                                                                                                                                      | NAS1149F0332P | Washer . . . . .                                                                                               | X              | 3                  |
| 13                                                                                                                                                                                                                                                                                                      | D210-3        | Nut . . . . .                                                                                                  | X              | 8                  |
| 14                                                                                                                                                                                                                                                                                                      | F783-5        | Pad . . . . .                                                                                                  | X              | 1                  |
| 15                                                                                                                                                                                                                                                                                                      | A130-21       | Spacer . . . . .                                                                                               | X              | 3                  |
| 16                                                                                                                                                                                                                                                                                                      | MS24694-S49   | Screw . . . . .                                                                                                | X              | 1                  |
| 17                                                                                                                                                                                                                                                                                                      | NAS1149F0363P | Washer . . . . .                                                                                               | X              | 1                  |
| 18                                                                                                                                                                                                                                                                                                      | MS24694-S53   | Screw . . . . .                                                                                                | X              | 2                  |
| 19                                                                                                                                                                                                                                                                                                      | F780-3        | Support Weldment (LH or RH) . . . . .                                                                          | X              | 2                  |
| 20                                                                                                                                                                                                                                                                                                      | NAS6603-3     | Bolt . . . . .                                                                                                 | X              | 6                  |
| 21                                                                                                                                                                                                                                                                                                      | NAS1149F0332P | Washer . . . . .                                                                                               | X              | 6                  |
| 22                                                                                                                                                                                                                                                                                                      | C242-7        | Skid Tube Assembly (LH) . . . . .                                                                              | O              | 1                  |
|                                                                                                                                                                                                                                                                                                         | C242-9**      | Skid Tube Assembly (LH, includes C242-7 and is painted) . .                                                    | X              | 1                  |
|                                                                                                                                                                                                                                                                                                         | C242-8        | Skid Tube Assembly (RH) . . . . .                                                                              | O              | 1                  |
|                                                                                                                                                                                                                                                                                                         | C242-10**     | Skid Tube Assembly (RH, includes C242-8 and is painted) . .                                                    | X              | 1                  |
| NOTES      * Optional equipment; cannot be installed with floats. Flight with one or more step assemblies and mounting hardware removed is permissible; quantities shown are for one step assembly.<br>** Revision O and subsequent Skid Tube Assemblies include provisions for Skid Step installation. |               |                                                                                                                |                |                    |

Intentionally Blank