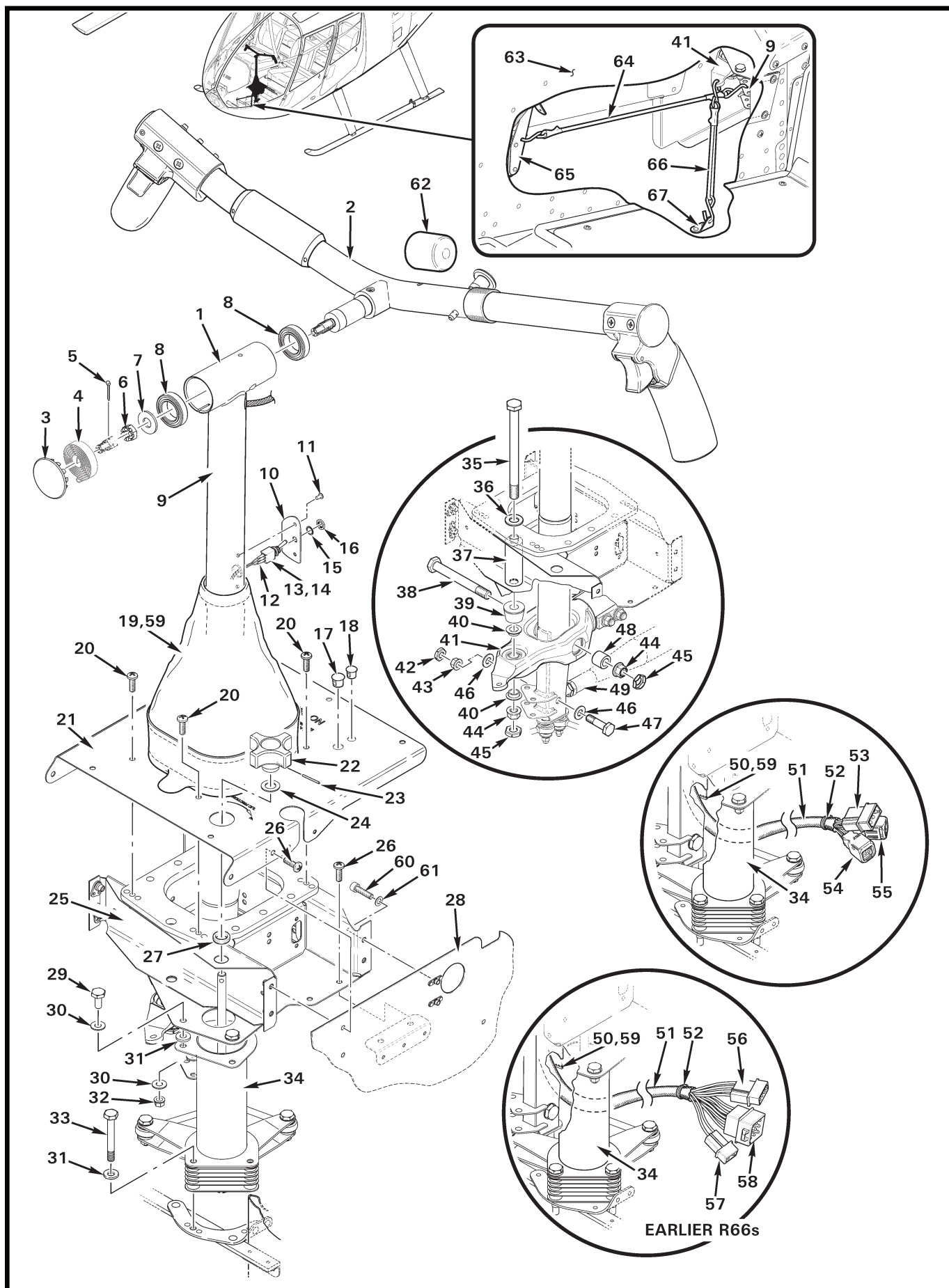


## CHAPTER 67

### FLIGHT CONTROLS

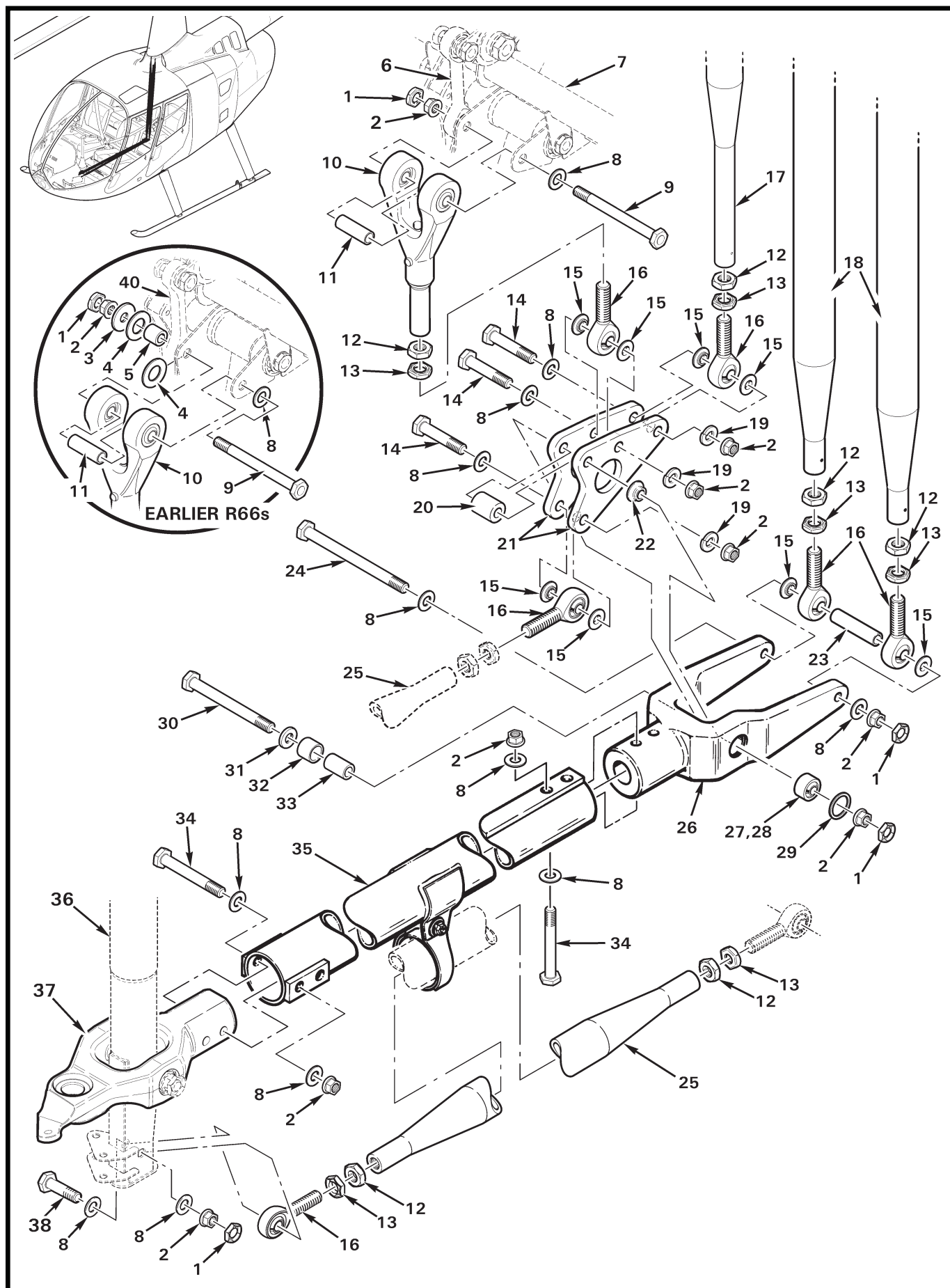
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| FIGURE<br>AND<br>INDEX<br>NUMBER | PART NUMBER   | DESCRIPTION                                                                                                     | PARTS<br>AVAIL | QTY<br>PER<br>ASSY |
|----------------------------------|---------------|-----------------------------------------------------------------------------------------------------------------|----------------|--------------------|
|                                  |               | CYCLIC CONTROL SYSTEM                                                                                           |                |                    |
| 67-1-1                           | C069-14       | Cyclic Control Assembly (Incl items 2 thru 9, 11, 13, 19, 21, 25, 37, 39 thru 45, 48, and 51 thru 55) . . . . . | X              | 1                  |
|                                  | C069-8        | Cyclic Control Assembly (Ref, no longer available)                                                              |                |                    |
| 2                                | C058-10       | Grip Assembly – Cyclic (see Figure 67-11) . . . . .                                                             | X              | 1                  |
| 3                                | B209-4        | Plug . . . . .                                                                                                  | X              | 1                  |
| 4                                | D684-1        | Spring . . . . .                                                                                                | X              | 1                  |
| 5                                | MS24665-69    | Cotter Pin . . . . .                                                                                            | X              | 1                  |
| 6                                | MS17825-5     | Nut . . . . .                                                                                                   | X              | 1                  |
| 7                                | A141-40       | Washer . . . . .                                                                                                | X              | 1                  |
| 8                                | A647-2        | Bearing . . . . .                                                                                               | X              | 2                  |
| 9                                | D320-8        | Stick Assembly (Ref)                                                                                            |                |                    |
| 10                               | B306-4        | Mount . . . . .                                                                                                 | X              | 1                  |
| 11                               | SR-3035B      | Rivet . . . . .                                                                                                 | X              | 2                  |
| 12                               | B158-1        | Heat Shrink (around terminals) . . . . .                                                                        | X              | A/R                |
| 13                               | C049-9        | Switch Assembly – Landing Light (Incl items 10, 12, 14, and wires) . . . . .                                    | X              | 1                  |
| 14                               | B300-1        | Switch (Incl items 15 and 16) . . . . .                                                                         | X              | 1                  |
| 15                               | B227-3        | Lockwasher . . . . .                                                                                            | X              | 1                  |
| 16                               | B227-11       | Dress Nut . . . . .                                                                                             | X              | 1                  |
| 17                               | 2613          | Hole Plug . . . . .                                                                                             | X              | 1                  |
| 18                               | 2603          | Hole Plug . . . . .                                                                                             | X              | 1                  |
| 19                               | A677-4        | Boot (install using item 59) . . . . .                                                                          | X              | 1                  |
| 20                               | MS27039C0808  | Screw . . . . .                                                                                                 | X              | 4                  |
| 21                               | F444-2        | Cover Assembly – Cyclic . . . . .                                                                               | X              | 1                  |
|                                  | F444-1        | Cover Assembly – Cyclic . . . . .                                                                               | O              | 1                  |
| 22                               | A499-2        | Knob . . . . .                                                                                                  | X              | 1                  |
| 23                               | MS16562-35    | Spring Pin . . . . .                                                                                            | X              | 1                  |
| 24                               | NAS1149F0432P | Washer (or NAS1149F0463P) . . . . .                                                                             | X              | A/R                |
| 25                               | F338-1        | Cyclic Box Assembly . . . . .                                                                                   | O              | 1                  |
| 26                               | MS27039C0806  | Screw . . . . .                                                                                                 | X              | 14                 |
| 27                               | NAS557-6A     | Grommet . . . . .                                                                                               | X              | 1                  |
| 28                               | —             | Keel Panel (Ref)                                                                                                |                |                    |
| 29                               | NAS6603-2     | Bolt . . . . .                                                                                                  | X              | 2                  |
| 30                               | NAS1149F0332P | Washer . . . . .                                                                                                | X              | 4                  |
| 31                               | NAS1149F0363P | Washer . . . . .                                                                                                | X              | 4                  |
| NOTES                            |               |                                                                                                                 |                |                    |
| Continues                        |               |                                                                                                                 |                |                    |

| FIGURE<br>AND<br>INDEX<br>NUMBER | PART NUMBER   | DESCRIPTION                                           | PARTS<br>AVAIL | QTY<br>PER<br>ASSY |
|----------------------------------|---------------|-------------------------------------------------------|----------------|--------------------|
| CYCLIC CONTROL SYSTEM (Cont'd)   |               |                                                       |                |                    |
| 67-1-32                          | MS21042L3     | Nut . . . . .                                         | X              | 5                  |
| 33                               | NAS6603-18    | Bolt . . . . .                                        | X              | 2                  |
| 34                               | C048-1        | Cyclic Friction Assembly (Ref; see also Figure 67-19) |                |                    |
| 35                               | NAS6605-56    | Bolt . . . . .                                        | X              | 1                  |
| 36                               | NAS1149F0532P | Washer . . . . .                                      | X              | 1                  |
| 37                               | A130-6        | Spacer . . . . .                                      | X              | 1                  |
| 38                               | NAS1305-35    | Bolt . . . . .                                        | X              | 5                  |
| 39                               | A339-1        | Spacer . . . . .                                      | X              | 1                  |
| 40                               | A340-1        | Spacer . . . . .                                      | X              | 2                  |
| 41                               | C177-5        | Pivot Assembly . . . . .                              | X              | 1                  |
| 42                               | B330-13       | Palnut . . . . .                                      | X              | 1                  |
| 43                               | D210-4        | Nut . . . . .                                         | X              | 1                  |
| 44                               | D210-5        | Nut . . . . .                                         | X              | 2                  |
| 45                               | B330-16       | Palnut . . . . .                                      | X              | 2                  |
| 46                               | NAS1149F0432P | Washer . . . . .                                      | X              | 1                  |
| 47                               | NAS6604-9     | Bolt . . . . .                                        | X              | 1                  |
| 48                               | C105-3        | Journal . . . . .                                     | X              | 1                  |
| 49                               | C121-1        | Push-Pull Tube (Ref, see Figure 67-5)                 |                |                    |
| 50                               | MS21266-1N    | Grommet (install using item 59) . . . . .             | X              | A/R                |
| 51                               | B266-8        | Sleeving . . . . .                                    | X              | A/R                |
| 52                               | B268-3        | Lacing Tape (at both ends of sleeve) . . . . .        | X              | A/R                |
| 53                               | B263-14       | Housing . . . . .                                     | X              | 1                  |
|                                  | B263-1        | Pin . . . . .                                         | X              | 3                  |
| 54                               | D269-11       | Plug (includes [9] M39029/57-354 sockets) . . . . .   | X              | 1                  |
| 55                               | D269-9        | Plug (includes [9] M39029/58-360 pins) . . . . .      | X              | 1                  |
| 56                               | B263-36       | Housing . . . . .                                     | X              | 1                  |
|                                  | B263-1        | Pin . . . . .                                         | X              | 4                  |
| 57                               | B263-12       | Housing . . . . .                                     | X              | 1                  |
|                                  | B263-1        | Pin . . . . .                                         | X              | 2                  |
| 58                               | B263-20       | Housing . . . . .                                     | X              | 1                  |
|                                  | B263-1        | Pin . . . . .                                         | X              | 9                  |
| 59                               | B270-8.5oz    | Adhesive . . . . .                                    | X              | A/R                |
| 60                               | NAS1352-08-6P | Screw . . . . .                                       | X              | 4                  |
| 61                               | NAS620-8L     | Washer . . . . .                                      | X              | 4                  |
| 62                               | A959-5        | Cap . . . . .                                         | X              | 1                  |
| NOTES                            |               |                                                       |                |                    |
| Continues                        |               |                                                       |                |                    |

| FIGURE<br>AND<br>INDEX<br>NUMBER | PART NUMBER | DESCRIPTION                                   | PARTS<br>AVAIL | QTY<br>PER<br>ASSY |
|----------------------------------|-------------|-----------------------------------------------|----------------|--------------------|
|                                  |             | CYCLIC CONTROL SYSTEM (Cont'd)                |                |                    |
| 67-1-63                          | F033        | Lower Console Assembly (Ref)                  |                |                    |
| 64                               | D918-1      | Elastic Cord Assembly (3 lb ± 0.25) . . . . . | X              | 1                  |
| 65                               | F407-5      | Gusset (Ref)                                  |                |                    |
| 66                               | D918-2      | Elastic Cord Assembly (5 lb ± 0.50) . . . . . | X              | 1                  |
| 67                               | A748-8      | Angle (Ref)                                   |                |                    |
| NOTES                            |             |                                               |                |                    |



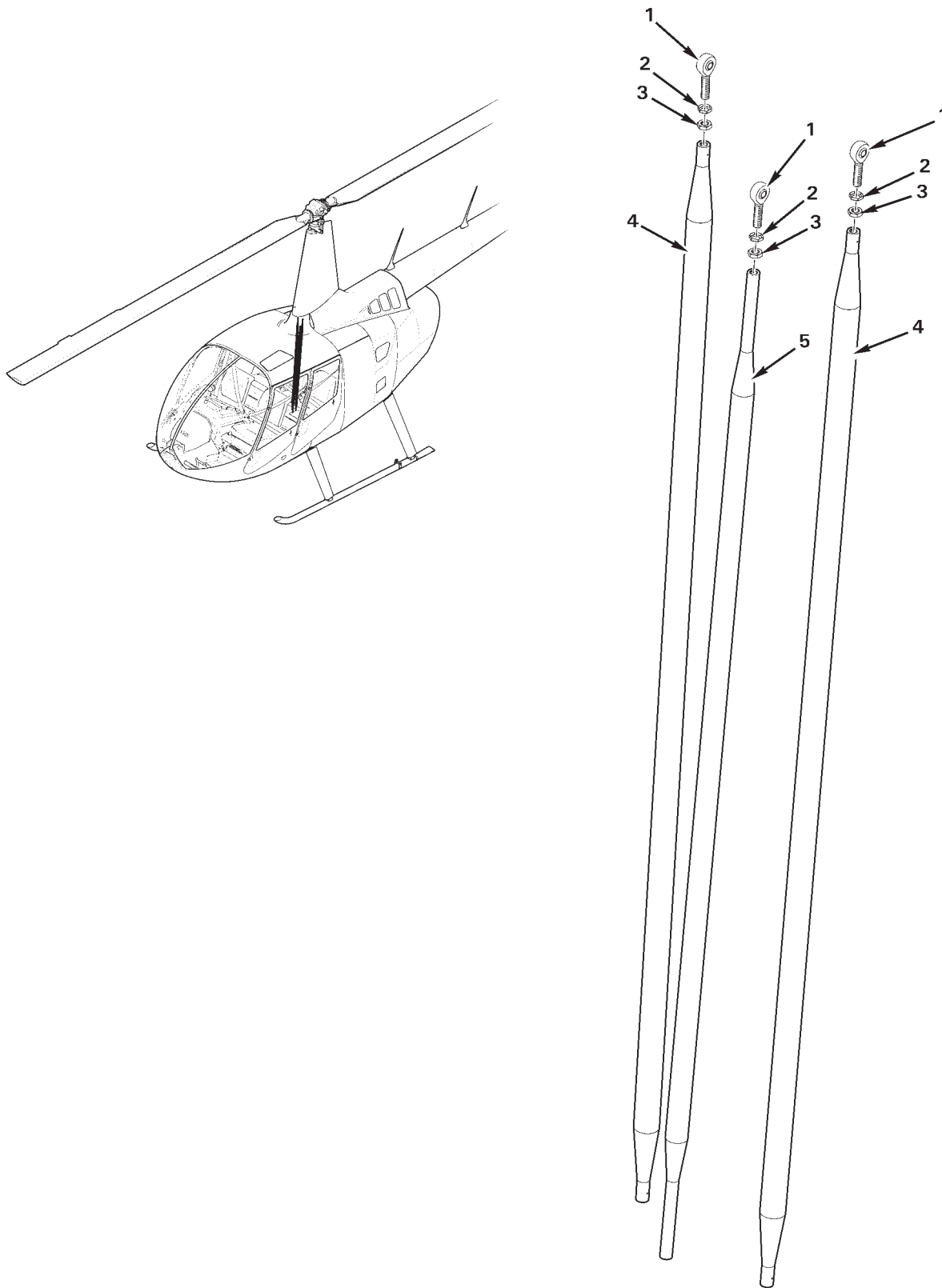
| FIGURE<br>AND<br>INDEX<br>NUMBER | PART NUMBER   | DESCRIPTION                                                   | PARTS<br>AVAIL | QTY<br>PER<br>ASSY |
|----------------------------------|---------------|---------------------------------------------------------------|----------------|--------------------|
|                                  |               | CYCLIC PIVOT ASSEMBLY AND TORQUE TUBE                         |                |                    |
| 67-5-1                           | B330-13       | Palnut . . . . .                                              | X              | 4                  |
| 2                                | D210-4        | Nut . . . . .                                                 | X              | 11                 |
| 3                                | A214-3        | Washer . . . . .                                              | X              | 1                  |
| 4                                | A214-11       | Washer . . . . .                                              | X              | 2                  |
| 5                                | A105-14       | Journal . . . . .                                             | X              | 1                  |
| 6                                | B345-3        | Link (Ref; see Figure 67-33)                                  |                |                    |
| 7                                | F334          | Aft Support Assembly (Ref; see Figure 67-33)                  |                |                    |
| 8                                | NAS1149F0432P | Washer . . . . .                                              | X              | 16                 |
| 9                                | NAS6604-37    | Bolt . . . . .                                                | X              | 1                  |
| 10                               | G205-1        | Fork Assembly . . . . .                                       | X              | 1                  |
| 11                               | C130-12       | Spacer . . . . .                                              | X              | 1                  |
| 12                               | AN316-5R      | Nut . . . . .                                                 | X              | 6                  |
| 13                               | B330-16       | Palnut . . . . .                                              | X              | 6                  |
| 14                               | NAS6604-15    | Bolt . . . . .                                                | X              | 3                  |
| 15                               | A115-1        | Spacer . . . . .                                              | X              | 8                  |
| 16                               | B163-2*       | Rod End . . . . .                                             | X              | 6                  |
| 17                               | F121-7        | Push-Pull Tube (Incl items 12, 13 and 16, [1] each) . . . . . | X              | 1                  |
| 18                               | F121-5        | Push-Pull Tube (Incl items 12, 13 and 16, [1] each) . . . . . | X              | 2                  |
| 19                               | B332-441      | Lockwasher . . . . .                                          | X              | 3                  |
| 20                               | A130-8        | Spacer . . . . .                                              | X              | 1                  |
| 21                               | C958-6        | Bellcrank . . . . .                                           | X              | 2                  |
| 22                               | A137-1        | Spacer . . . . .                                              | X              | 1                  |
| 23                               | C130-47       | Spacer . . . . .                                              | X              | 1                  |
| 24                               | NAS6604-47    | Bolt . . . . .                                                | X              | 1                  |
| 25                               | C121-1        | Push-Pull Tube Assembly (Incl item 12, 13, and 16) . . . . .  | X              | 1                  |
| 26                               | D696-6        | Yoke Assembly (Incl items 27 thru 29, and 32) . . . . .       | X              | 1                  |
| 27                               | A103-4        | Bearing (install using item 28) . . . . .                     | X              | 1                  |
| 28                               | B270-11       | Adhesive . . . . .                                            | X              | A/R                |
| 29                               | WH-62-S02     | Ring . . . . .                                                | X              | 1                  |
| 30                               | NAS6604-36    | Bolt . . . . .                                                | X              | 1                  |
| 31                               | NAS1149F0463P | Washer . . . . .                                              | X              | 1                  |
| 32                               | O6DU06        | Bearing . . . . .                                             | X              | 1                  |
| 33                               | A105-6        | Journal . . . . .                                             | X              | 1                  |
| 34                               | NAS6604-25    | Bolt . . . . .                                                | X              | 4                  |
| 35                               | C319-5        | Torque Tube Assembly . . . . .                                | X              | 1                  |

NOTES \* Coat all threads with A257-2 or A257-22 oil before assembly.

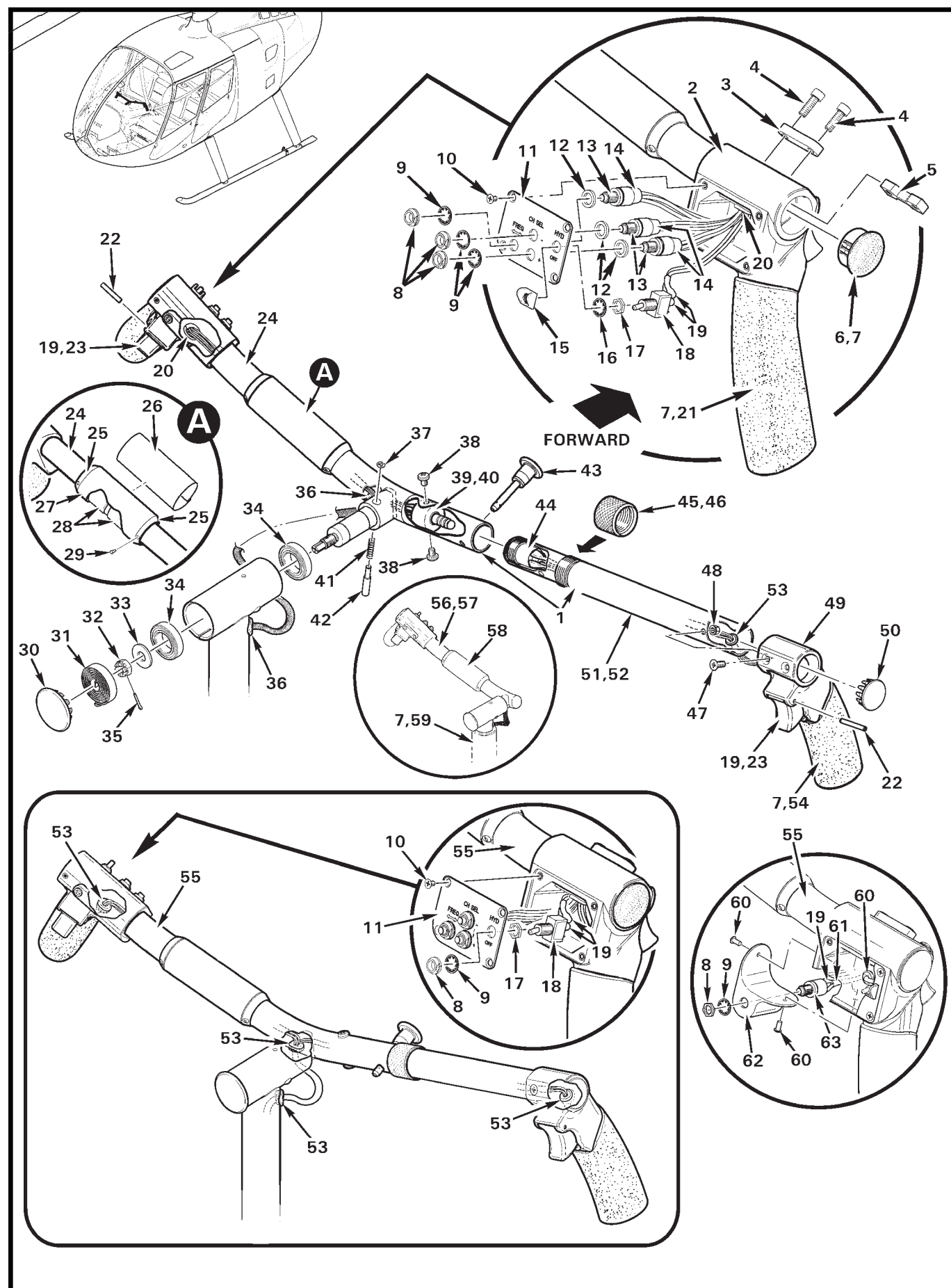
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| FIGURE<br>AND<br>INDEX<br>NUMBER | PART NUMBER | DESCRIPTION                                                                                            | PARTS<br>AVAIL | QTY<br>PER<br>ASSY |
|----------------------------------|-------------|--------------------------------------------------------------------------------------------------------|----------------|--------------------|
|                                  |             | CYCLIC PIVOT ASSEMBLY AND TORQUE TUBE (Cont'd)                                                         |                |                    |
| 67-5-36                          | C069        | Cyclic Control Assembly (Ref; see Figure 67-1)                                                         |                |                    |
| 37                               | C177-5      | Pivot Assembly (Ref; see Figure 67-1)                                                                  |                |                    |
| 38                               | NAS6604-9   | Bolt (Ref; see Figure 67-1)                                                                            |                |                    |
| 39                               | C175-5      | Pivot Assembly – Cyclic (Incl items 1 thru 5, 8 thru 16, 19 thru 26, 30, 31, and 33 thru 35) . . . . . | O              | 1                  |
| 40                               | C327-1      | Link Assembly (No longer available. Superseded by item 6.)                                             | O              | 1                  |
| NOTES                            |             |                                                                                                        |                |                    |

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| FIGURE<br>AND<br>INDEX<br>NUMBER                                          | PART NUMBER | DESCRIPTION                                                     | PARTS<br>AVAIL | QTY<br>PER<br>ASSY |
|---------------------------------------------------------------------------|-------------|-----------------------------------------------------------------|----------------|--------------------|
|                                                                           |             | PUSH-PULL TUBE ASSEMBLIES (LOWER)                               |                |                    |
| 67-9-1                                                                    | B163-2*     | Rod End . . . . .                                               | X              | 1                  |
| 2                                                                         | B330-16     | Palnut . . . . .                                                | X              | 1                  |
| 3                                                                         | AN316-5R    | Nut . . . . .                                                   | X              | 1                  |
| 4                                                                         | F121-5      | Push-Pull Tube Assembly (Incl items 1 thru 3, [1] each) . . . . | X              | 2                  |
| 5                                                                         | F121-7      | Push-Pull Tube Assembly (Incl items 1 thru 3, [1] each) . . . . | X              | 1                  |
| NOTES      * Coat all threads with A257-2 or A257-22 oil before assembly. |             |                                                                 |                |                    |

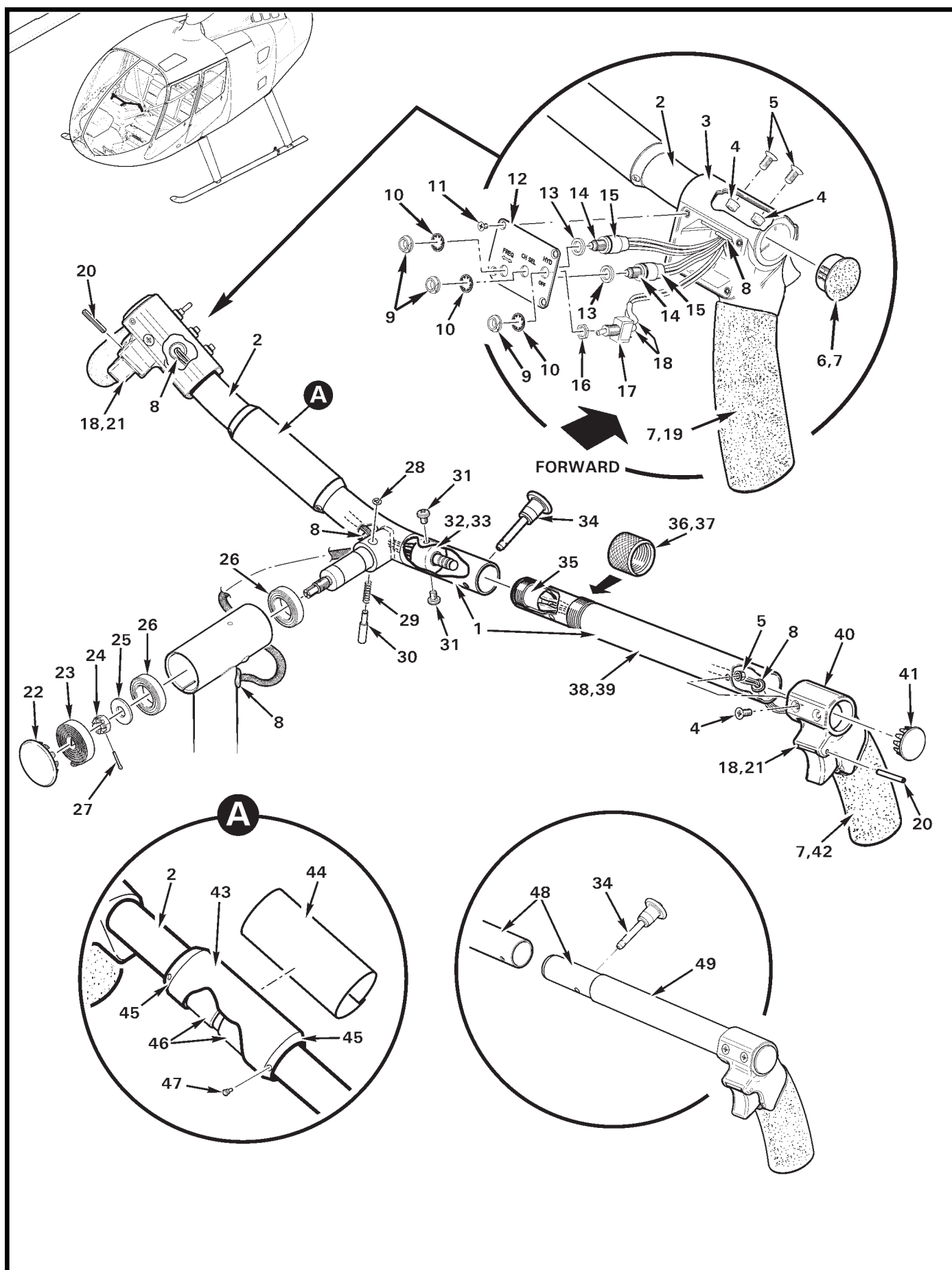


| FIGURE<br>AND<br>INDEX<br>NUMBER | PART NUMBER  | DESCRIPTION                                                                                                        | PARTS<br>AVAIL | QTY<br>PER<br>ASSY |
|----------------------------------|--------------|--------------------------------------------------------------------------------------------------------------------|----------------|--------------------|
|                                  |              | <b>CYCLIC GRIP ASSEMBLY</b>                                                                                        |                |                    |
| 67-11-1                          | C058-10      | Grip Assembly – Cyclic (Incl items 2 thru 7, 10, 11, 13 thru 15, 18 thru 29, 36 thru 50, and 52 thru 54) . . . . . | X              | 1                  |
| 2                                | D379-1       | Grip . . . . .                                                                                                     | X              | 1                  |
| 3                                | D443-5       | Bar . . . . .                                                                                                      | X              | 1                  |
| 4                                | 91251A194    | Screw . . . . .                                                                                                    | X              | 2                  |
| 5                                | D443-3       | Block Assembly . . . . .                                                                                           | X              | 1                  |
| 6                                | 2703         | Hole Plug (install using item 7) . . . . .                                                                         | X              | 1                  |
| 7                                | B270-15      | Adhesive . . . . .                                                                                                 | X              | A/R                |
| 8                                | B227-4       | Dress Nut . . . . .                                                                                                | X              | 1                  |
| 9                                | B227-3       | Lockwasher . . . . .                                                                                               | X              | 1                  |
| 10                               | MS24693-S1   | Screw . . . . .                                                                                                    | X              | 4                  |
| 11                               | C214-24      | Plate . . . . .                                                                                                    | X              | 1                  |
| 12                               | 94773A770    | Washer . . . . .                                                                                                   | X              | 3                  |
| 13                               | B227-2       | Switch Assembly (“FREQ” and “CH SEL” [2]; includes items 8, 9, and 12) . . . . .                                   | X              | 3                  |
| 14                               | B158-6       | Heat Shrink . . . . .                                                                                              | X              | A/R                |
| 15                               | D443-7       | Guard . . . . .                                                                                                    | X              | 1                  |
| 16                               | —            | Lockwasher . . . . .                                                                                               | O              | 1                  |
| 17                               | —            | Hex Nut (5/16”) . . . . .                                                                                          | O              | 1                  |
| 18                               | B300-3       | Switch Assembly – “HYD OFF” (includes items 16 and 17) . .                                                         | X              | 1                  |
| 19                               | B158-2       | Heat Shrink . . . . .                                                                                              | X              | A/R                |
| 20                               | NAS557-6A    | Grommet . . . . .                                                                                                  | X              | A/R                |
| 21                               | D379-2       | Cover (install using item 7) . . . . .                                                                             | X              | 2                  |
| 22                               | NAS1407N9L14 | Pin . . . . .                                                                                                      | X              | 2                  |
| 23                               | U2-279       | Trigger Switch . . . . .                                                                                           | X              | 2                  |
| 24                               | A756-24      | Grip Weldment (Revision A1 and subsequent) . . . . .                                                               | O              | 1                  |
| 25                               | G725-3       | Collar . . . . .                                                                                                   | X              | 2                  |
| 26                               | F654-4       | Decal (flight limitations) . . . . .                                                                               | X              | 1                  |
|                                  | F654-28      | Decal (flight limitations, Police ships) . . . . .                                                                 | X              | 1                  |
|                                  | G682-14      | Decal (flight limitations, E.N.G. ships) . . . . .                                                                 | X              | 1                  |
| 27                               | G725-2       | Tube . . . . .                                                                                                     | X              | 1                  |
| 28                               | B175-12      | Loop Tape . . . . .                                                                                                | X              | A/R                |
| 29                               | SR-2032B     | Rivet . . . . .                                                                                                    | X              | 4                  |
| 30                               | B209-4       | Plug . . . . .                                                                                                     | X              | 1                  |
| 31                               | D684-1       | Spring . . . . .                                                                                                   | X              | 1                  |
| NOTES                            |              |                                                                                                                    |                |                    |
| Continues                        |              |                                                                                                                    |                |                    |

| FIGURE<br>AND<br>INDEX<br>NUMBER | PART NUMBER  | DESCRIPTION                                                                                                        | PARTS<br>AVAIL | QTY<br>PER<br>ASSY |
|----------------------------------|--------------|--------------------------------------------------------------------------------------------------------------------|----------------|--------------------|
|                                  |              | CYCLIC GRIP ASSEMBLY (Cont'd)                                                                                      |                |                    |
| 67-11-32                         | MS17825-5    | Nut . . . . .                                                                                                      | X              | 1                  |
| 33                               | A141-40      | Washer . . . . .                                                                                                   | X              | 1                  |
| 34                               | A647-2       | Bearing . . . . .                                                                                                  | X              | 2                  |
| 35                               | MS24665-69   | Cotter Pin . . . . .                                                                                               | X              | 1                  |
| 36                               | G1042        | Grommet . . . . .                                                                                                  | X              | 2                  |
| 37                               | MS16633-2012 | Retaining Ring . . . . .                                                                                           | X              | 1                  |
| 38                               | MS35206-241  | Screw . . . . .                                                                                                    | X              | 2                  |
| 39                               | A776-1       | Mount . . . . .                                                                                                    | X              | 1                  |
| 40                               | A781-1       | Plug . . . . .                                                                                                     | X              | 1                  |
| 41                               | D774-6       | Spring . . . . .                                                                                                   | X              | 1                  |
| 42                               | A321-16      | Pin . . . . .                                                                                                      | X              | 1                  |
| 43                               | B232-1       | Pin . . . . .                                                                                                      | X              | 1                  |
| 44                               | TJT-120      | Jack . . . . .                                                                                                     | X              | 1                  |
| 45                               | A321-22      | Collar . . . . .                                                                                                   | X              | 1                  |
| 46                               | A257-7       | Dry Film Lube . . . . .                                                                                            | X              | A/R                |
| 47                               | MS24694-S3   | Screw . . . . .                                                                                                    | X              | 2                  |
| 48                               | MS21042L08   | Nut . . . . .                                                                                                      | X              | 2                  |
| 49                               | D690-1       | Grip . . . . .                                                                                                     | X              | 1                  |
| 50                               | B209-3       | Plug . . . . .                                                                                                     | X              | 1                  |
| 51                               | C058-9       | Grip Assembly – Co-Pilot (Incl items 7, 19, 22, 23, 43 thru 50, and 52 thru 54; for spares) . . . . .              | X              | 1                  |
| 52                               | A321-21      | Tube . . . . .                                                                                                     | X              | 1                  |
| 53                               | MS35489-4    | Grommet . . . . .                                                                                                  | X              | A/R                |
| 54                               | D690-2       | Cover (install using item 7) . . . . .                                                                             | X              | 1                  |
| 55                               | A756-24      | Grip Weldment (Ref; revision AH)                                                                                   |                |                    |
| 56                               | C058-11*     | Grip Assembly – Cyclic (includes items 2 thru 7, 13 thru 15, 25, 27 thru 29, 36, 37, 41, 42, 57, and 58) . . . . . | X              | 1                  |
| 57                               | A756-20*     | Grip Weldment (Ref)                                                                                                |                |                    |
| 58                               | F654-28*     | Decal (flight limitations, Police ships) . . . . .                                                                 | X              | 1                  |
| 59                               | A601-3*      | Grip (install using item 7) . . . . .                                                                              | X              | 1                  |
| 60                               | MS20470AD3** | Rivet . . . . .                                                                                                    | X              | 2                  |
| 61                               | B158-6**     | Heat Shrink . . . . .                                                                                              | X              | A/R                |
| 62                               | G136-8**     | Housing . . . . .                                                                                                  | X              | 1                  |
| 63                               | B227-2**     | Switch Assembly (Audio Panel transmit key [pilot]; includes items 8 and 9) . . . . .                               | X              | 1                  |
|                                  | C058-2329**  | Wire (Ref)                                                                                                         |                |                    |
|                                  | C058-2441**  | Wire (Ref)                                                                                                         |                |                    |

NOTES      \* Earlier R66 police ships.  
              \*\* Geneva Audio push to talk button for E.N.G. ships.

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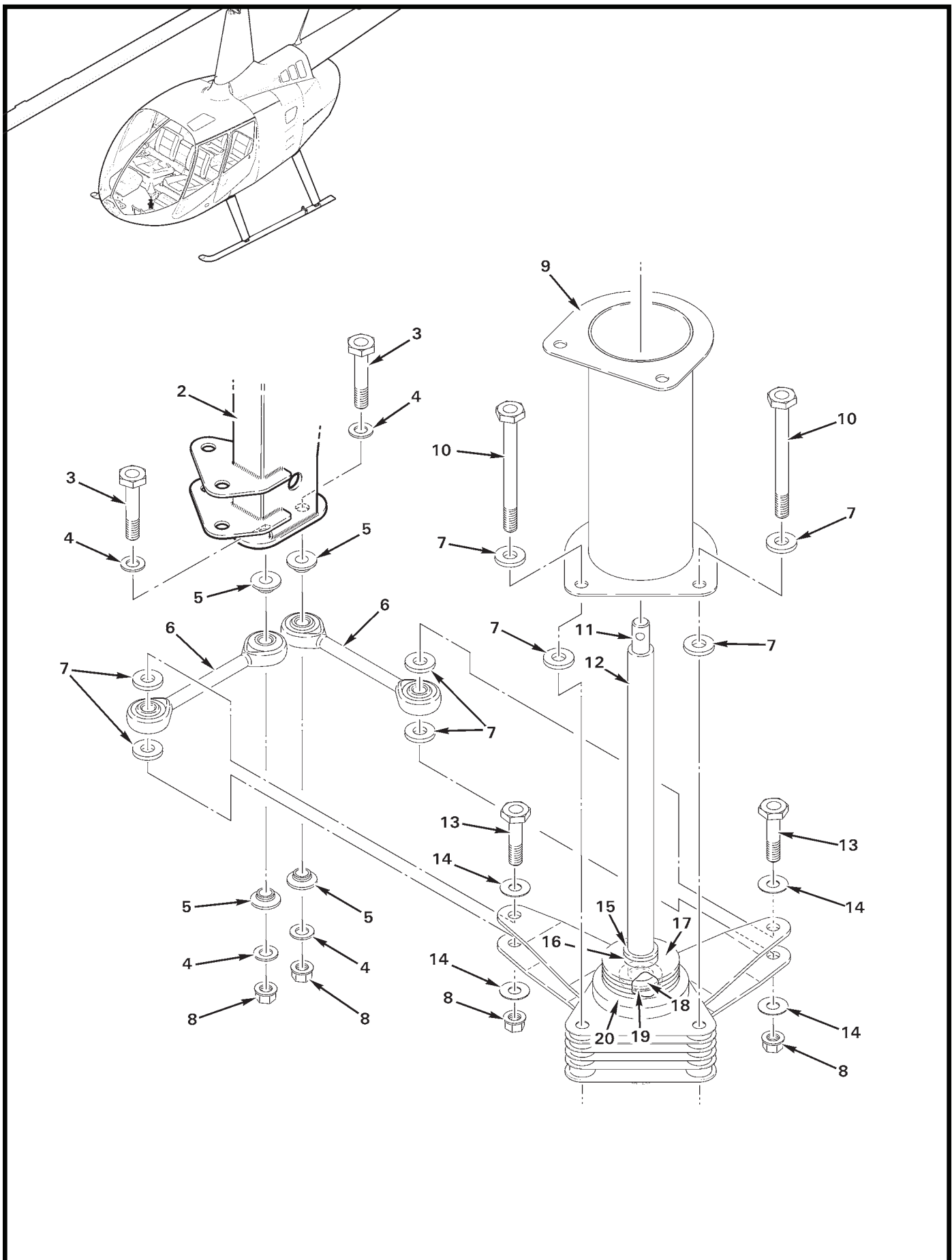
| FIGURE<br>AND<br>INDEX<br>NUMBER | PART NUMBER  | DESCRIPTION                                                               | PARTS<br>AVAIL | QTY<br>PER<br>ASSY |
|----------------------------------|--------------|---------------------------------------------------------------------------|----------------|--------------------|
|                                  |              | CYCLIC GRIP ASSEMBLY                                                      |                |                    |
| 67-15-1                          | C058-10*     | Grip Assembly – Pilot/Co-Pilot (Ref; revision AL)                         |                |                    |
| 2                                | A756         | Grip Weldment (Ref; non-adjusting grip [item 3])                          |                |                    |
| 3                                | D379-1       | Grip . . . . .                                                            | X              | 1                  |
| 4                                | MS21042L08   | Nut . . . . .                                                             | X              | 4                  |
| 5                                | MS24694-S3   | Screw . . . . .                                                           | X              | 4                  |
|                                  | MS24694-S4   | Screw (used with item 48) . . . . .                                       | X              | 4                  |
| 6                                | 2703         | Hole Plug (install using item 7) . . . . .                                | X              | 1                  |
| 7                                | B270-15      | Adhesive . . . . .                                                        | X              | A/R                |
| 8                                | MS35489-4    | Grommet . . . . .                                                         | X              | 4                  |
| 9                                | B227-4       | Dress Nut . . . . .                                                       | X              | 1                  |
| 10                               | B227-3       | Lock Washer . . . . .                                                     | X              | 1                  |
| 11                               | MS24693-S1   | Screw . . . . .                                                           | X              | 4                  |
|                                  | MS24693-S2   | Screw (used with item 48) . . . . .                                       | X              | 4                  |
| 12                               | C214-10      | Plate . . . . .                                                           | X              | 1                  |
| 13                               | 94773A770    | Washer . . . . .                                                          | X              | 1                  |
| 14                               | B227-2       | Switch (“FREQ” and “CH SEL”, includes items 9, 10, and 13)                | X              | 2                  |
| 15                               | B158-6       | Heat Shrink . . . . .                                                     | X              | A/R                |
| 16                               | —            | Hex Nut (5/16 in.) . . . . .                                              | O              | 1                  |
| 17                               | B300-3       | Switch (“HYD OFF”, includes item 16 and lockwasher [not shown]) . . . . . | X              | 1                  |
| 18                               | B158-2       | Heat Shrink . . . . .                                                     | X              | A/R                |
| 19                               | D379-2       | Cover (install using item 7) . . . . .                                    | X              | 1                  |
| 20                               | NAS1407N9L14 | Pin . . . . .                                                             | X              | 2                  |
| 21                               | U2-279       | Trigger Switch . . . . .                                                  | X              | 2                  |
| 22                               | B209-4       | Plug . . . . .                                                            | X              | 1                  |
| 23                               | D684-1       | Spring . . . . .                                                          | X              | 1                  |
| 24                               | MS17825-5    | Nut . . . . .                                                             | X              | 1                  |
| 25                               | A141-40      | Washer . . . . .                                                          | X              | 1                  |
| 26                               | A647-2       | Bearing . . . . .                                                         | X              | 2                  |
| 27                               | MS24665-69   | Cotter Pin . . . . .                                                      | X              | 1                  |
| 28                               | MS16633-2012 | Retaining Ring . . . . .                                                  | X              | 1                  |
| 29                               | D774-6       | Spring . . . . .                                                          | X              | 1                  |
| 30                               | A321-16      | Pin . . . . .                                                             | X              | 1                  |
| 31                               | MS35206-241  | Screw . . . . .                                                           | X              | 2                  |
| 32                               | A776-1       | Mount . . . . .                                                           | X              | 1                  |

NOTES \* Some parts/assemblies no longer available. To replace refer to Figure 67-11.

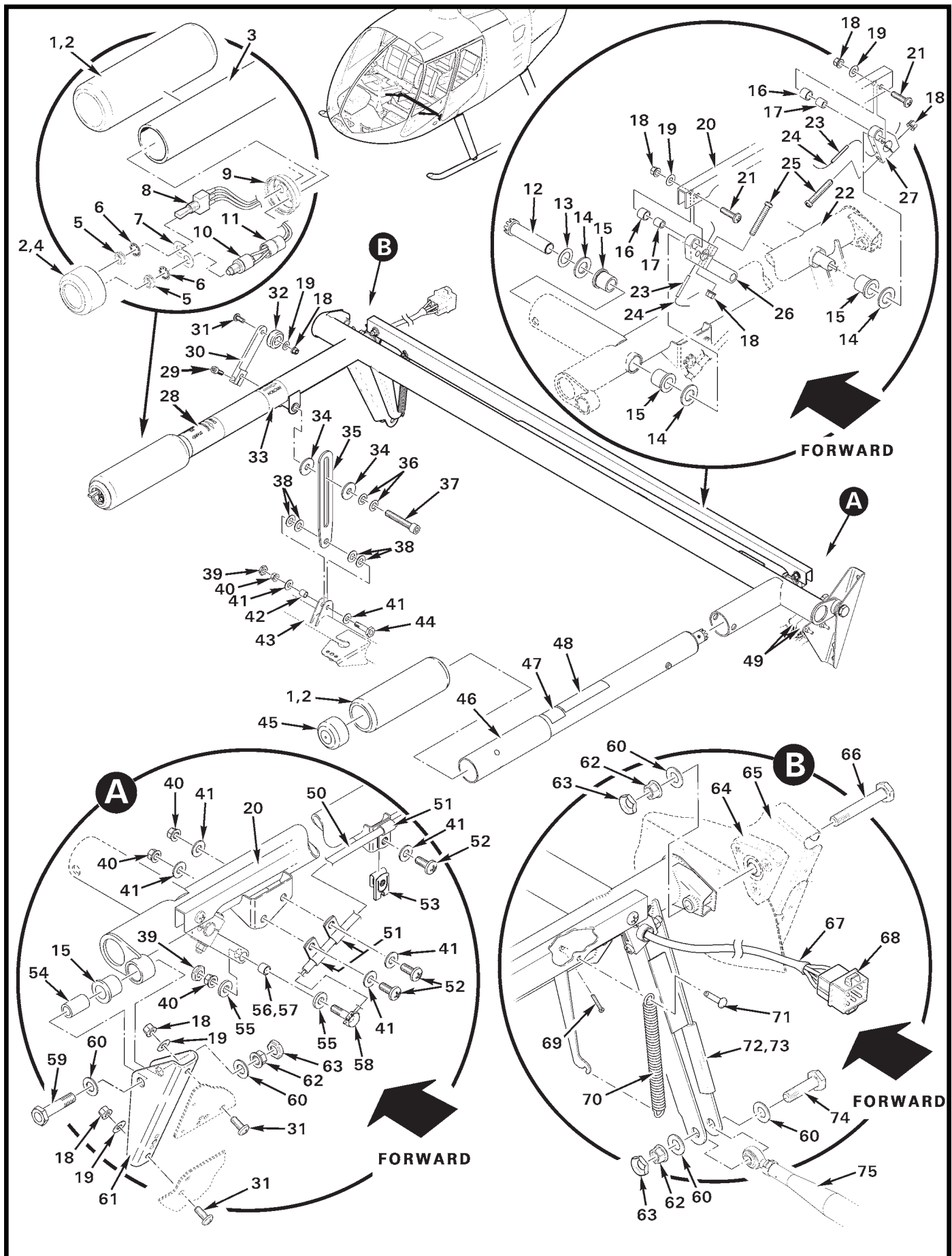
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| FIGURE<br>AND<br>INDEX<br>NUMBER                                                                 | PART NUMBER | DESCRIPTION                                                                                                          | PARTS<br>AVAIL | QTY<br>PER<br>ASSY |
|--------------------------------------------------------------------------------------------------|-------------|----------------------------------------------------------------------------------------------------------------------|----------------|--------------------|
|                                                                                                  |             | CYCLIC GRIP ASSEMBLY (Cont'd)                                                                                        |                |                    |
| 67-15-33                                                                                         | A781-1      | Plug . . . . .                                                                                                       | X              | 1                  |
| 34                                                                                               | B232-1      | Pin . . . . .                                                                                                        | X              | 1                  |
| 35                                                                                               | TJT-120     | Jack . . . . .                                                                                                       | X              | 1                  |
| 36                                                                                               | A321-22     | Collar . . . . .                                                                                                     | X              | 1                  |
| 37                                                                                               | A257-7      | Dry Film Lubricant . . . . .                                                                                         | X              | A/R                |
| 38                                                                                               | C058-9*     | Grip Assembly – Co-Pilot (Adjustable, revision AL. Includes items 4, 5, 7, 8, 20, 21, 34, 35, 40 thru 42.) . . . . . | X              | 1                  |
| 39                                                                                               | A321-19     | Tube (Ref)                                                                                                           |                |                    |
| 40                                                                                               | D690-1      | Grip . . . . .                                                                                                       | X              | 1                  |
| 41                                                                                               | B209-3      | Plug . . . . .                                                                                                       | X              | 1                  |
| 42                                                                                               | D690-2      | Cover (install using item 7) . . . . .                                                                               | X              | 1                  |
| 43                                                                                               | G725-2      | Tube . . . . .                                                                                                       | X              | 1                  |
| 44                                                                                               | F654-4      | Decal (flight limitations) . . . . .                                                                                 | X              | 1                  |
| 45                                                                                               | G725-3      | Collar . . . . .                                                                                                     | X              | 2                  |
| 46                                                                                               | B175-12     | Loop Tape . . . . .                                                                                                  | X              | A/R                |
| 47                                                                                               | SR-2032B    | Rivet . . . . .                                                                                                      | X              | 4                  |
|                                                                                                  |             | ***                                                                                                                  |                |                    |
| 48                                                                                               | C058-10*    | Grip Assembly – Pilot/Co-Pilot (Ref; revision AK and prior)                                                          |                |                    |
| 49                                                                                               | C058-9      | Grip Assembly – Co-Pilot (Ref; revision AK and prior, non-adjusting. To replace, order item 38.)                     |                |                    |
| <b>NOTES</b> * Some parts/assemblies no longer available. Refer to Figure 67-11 for replacement. |             |                                                                                                                      |                |                    |

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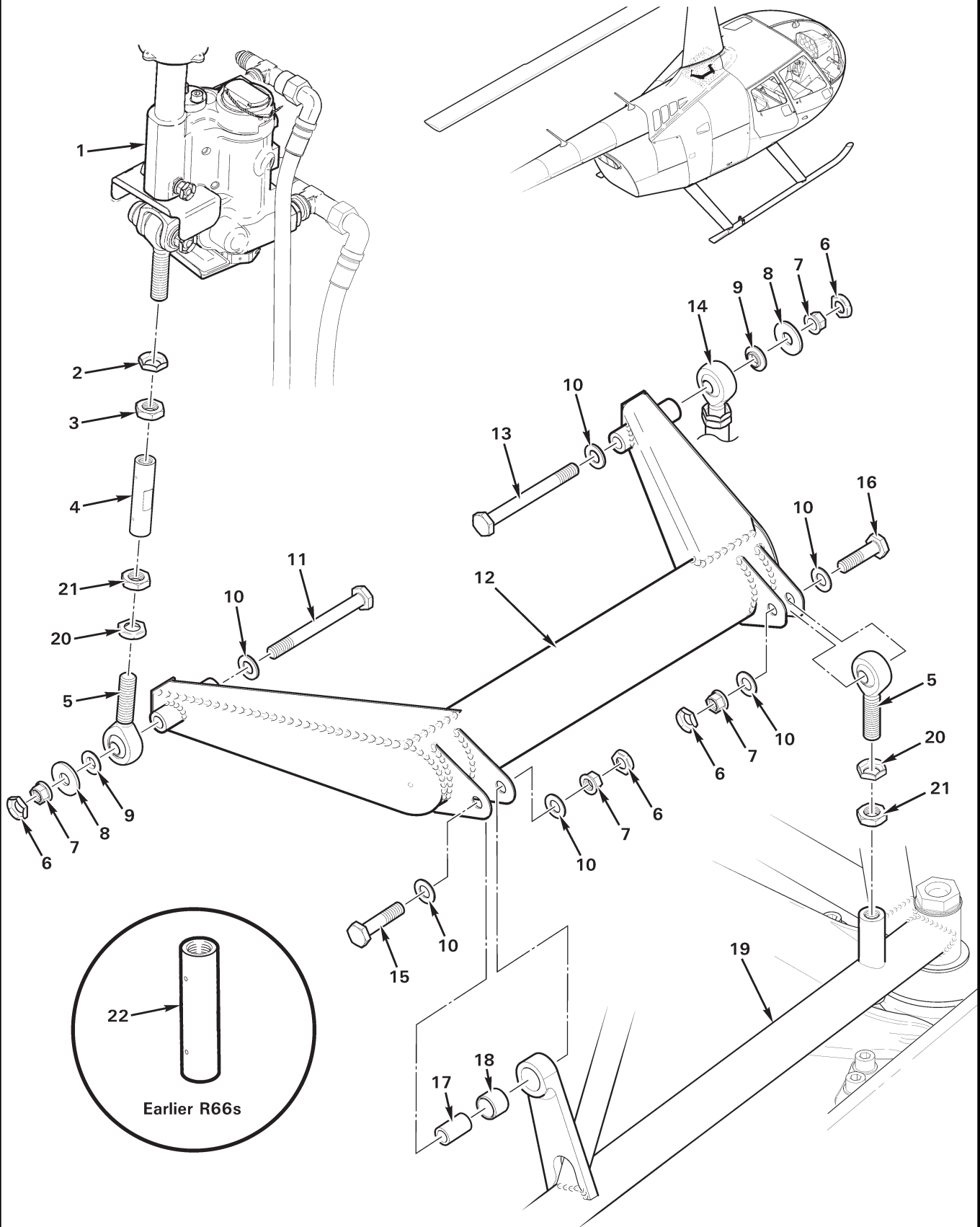
| FIGURE<br>AND<br>INDEX<br>NUMBER | PART NUMBER   | DESCRIPTION                                               | PARTS<br>AVAIL | QTY<br>PER<br>ASSY |
|----------------------------------|---------------|-----------------------------------------------------------|----------------|--------------------|
|                                  |               | CYCLIC FRICTION ASSEMBLY                                  |                |                    |
| 67-19-1                          | C048-1        | Cyclic Friction Assembly (Incl items 6 thru 20) . . . . . | X              | 1                  |
| 2                                | C069          | Cyclic Control Assembly (Ref, see Figure 67-1)            |                |                    |
| 3                                | NAS6603-11    | Bolt . . . . .                                            | X              | 2                  |
| 4                                | NAS620-10L    | Washer . . . . .                                          | X              | 4                  |
| 5                                | A341-1        | Spacer . . . . .                                          | X              | 4                  |
| 6                                | B564-1        | Link . . . . .                                            | X              | 2                  |
| 7                                | NAS1149F0363P | Washer . . . . .                                          | X              | 8                  |
| 8                                | D210-3        | Nut . . . . .                                             | X              | 4                  |
| 9                                | D337-1        | Torque Tube Weldment . . . . .                            | X              | 1                  |
| 10                               | NAS6603-27    | Bolt . . . . .                                            | X              | 2                  |
| 11                               | C494-1        | Shaft (Ref)                                               |                |                    |
| 12                               | C130-2        | Spacer . . . . .                                          | X              | 1                  |
| 13                               | NAS6603-8     | Bolt . . . . .                                            | X              | 2                  |
| 14                               | NAS1149D0316J | Washer . . . . .                                          | X              | 4                  |
| 15                               | NAS1149F0463P | Washer . . . . .                                          | X              | 1                  |
| 16                               | A130-18       | Spacer . . . . .                                          | X              | 1                  |
| 17                               | A478-1        | Spring Washer . . . . .                                   | X              | 4                  |
| 18                               | NAS1149F0632P | Washer . . . . .                                          | X              | 1                  |
| 19                               | NAS1149D0616J | Washer (installed between items 18 and 20) . . . . .      | X              | A/R                |
| 20                               | A497-1        | Washer (Ref)                                              |                |                    |
| NOTES                            |               |                                                           |                |                    |



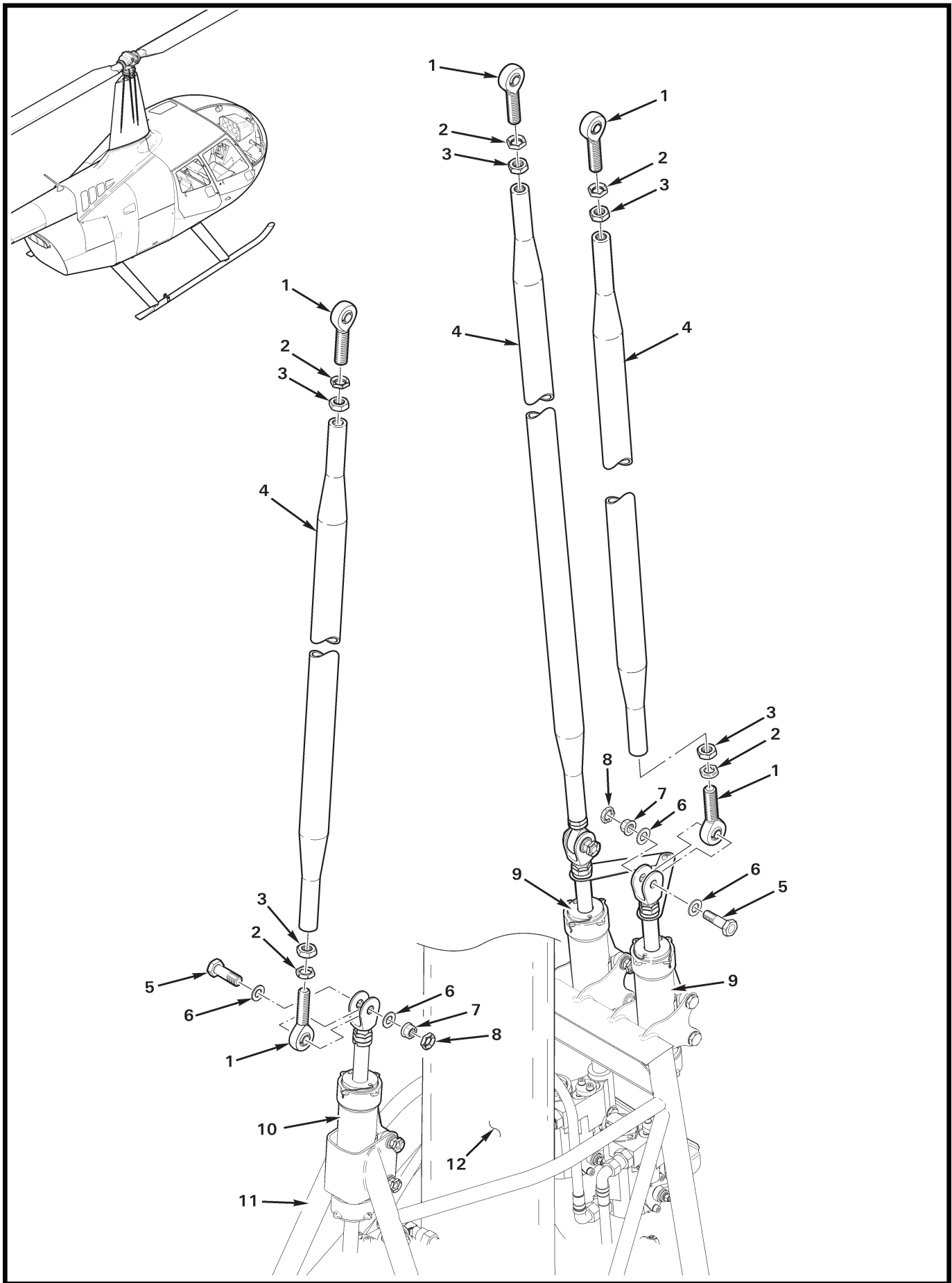
| FIGURE<br>AND<br>INDEX<br>NUMBER | PART NUMBER    | DESCRIPTION                                                                                                                          | PARTS<br>AVAIL | QTY<br>PER<br>ASSY |
|----------------------------------|----------------|--------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------|
|                                  |                | COLLECTIVE STICK ASSEMBLY                                                                                                            |                |                    |
| 67-21-1                          | A601-1         | Grip (install using item 2) . . . . .                                                                                                | X              | 1                  |
| 2                                | B270-15        | Adhesive . . . . .                                                                                                                   | X              | A/R                |
| 3                                | F758-1         | Stick Assembly – Collective (RH [pilot]; includes items 1, 2, 4,<br>8 thru 10, 12 thru 37, 39 thru 42, 51 thru 63, & 67 thru 74) . . | X              | 1                  |
| 4                                | A959-2         | Cap (install using item 2) . . . . .                                                                                                 | X              | 1                  |
| 5                                | B227-4         | Dress Nut . . . . .                                                                                                                  | X              | 1                  |
| 6                                | B227-3         | Lockwasher . . . . .                                                                                                                 | X              | 1                  |
| 7                                | B252-7         | Bracket . . . . .                                                                                                                    | X              | 1                  |
| 8                                | B280-6         | Switch Assembly (Incl items 5 and 6) . . . . .                                                                                       | X              | 1                  |
| 9                                | B252-8         | Mount . . . . .                                                                                                                      | X              | 1                  |
| 10                               | B280-5         | Switch Assembly (Incl items 5, 6, and 11) . . . . .                                                                                  | X              | 1                  |
| 11                               | B158-6         | Heat Shrink . . . . .                                                                                                                | X              | A/R                |
| 12                               | A765-2         | Coupling . . . . .                                                                                                                   | O              | 1                  |
| 13                               | NAS1149D0616J  | Washer (as required for shimming) . . . . .                                                                                          | X              | A/R                |
| 14                               | A141-16        | Washer ([2] each, co-pilot and pilot stick) . . . . .                                                                                | X              | 4                  |
| 15                               | A139-1         | Bearing . . . . .                                                                                                                    | X              | 5                  |
| 16                               | 04DU04         | Bushing . . . . .                                                                                                                    | X              | 1                  |
| 17                               | A105-5         | Journal . . . . .                                                                                                                    | X              | 2                  |
| 18                               | MS21042L08     | Nut . . . . .                                                                                                                        | X              | 7                  |
| 19                               | NAS1149FN816P  | Washer . . . . .                                                                                                                     | X              | 5                  |
| 20                               | F328-1         | Connecting Rod . . . . .                                                                                                             | X              | 1                  |
| 21                               | MS27039C0810   | Screw . . . . .                                                                                                                      | X              | 2                  |
| 22                               | F764           | Stick Weldment (Ref)                                                                                                                 |                |                    |
| 23                               | MS16562-18     | Spring Pin . . . . .                                                                                                                 | X              | 2                  |
| 24                               | MS20995C32     | 0.032 in. dia Safety Wire . . . . .                                                                                                  | X              | A/R                |
| 25                               | A486-2         | Screw . . . . .                                                                                                                      | X              | 2                  |
| 26                               | A325-3         | Arm . . . . .                                                                                                                        | X              | 1                  |
| 27                               | A325-1         | Arm . . . . .                                                                                                                        | X              | 1                  |
| 28                               | F654-1         | Decal – “THROTTLE OPEN” . . . . .                                                                                                    | X              | 1                  |
| 29                               | NAS1352-08LE8P | Screw . . . . .                                                                                                                      | X              | 1                  |
| 30                               | A332-2         | Lever . . . . .                                                                                                                      | X              | 1                  |
| 31                               | MS27039C0806   | Screw . . . . .                                                                                                                      | X              | 3                  |
| 32                               | A431-1         | Knob . . . . .                                                                                                                       | X              | 1                  |
| 33                               | A654-7         | Decal – “FRICTION INCREASE” . . . . .                                                                                                | X              | 1                  |
| 34                               | A141-20        | Washer . . . . .                                                                                                                     | X              | 2                  |
| NOTES                            |                |                                                                                                                                      |                |                    |
| Continues                        |                |                                                                                                                                      |                |                    |

| FIGURE<br>AND<br>INDEX<br>NUMBER | PART NUMBER   | DESCRIPTION                                                                             | PARTS<br>AVAIL | QTY<br>PER<br>ASSY |
|----------------------------------|---------------|-----------------------------------------------------------------------------------------|----------------|--------------------|
|                                  |               | COLLECTIVE STICK ASSEMBLY (Cont'd)                                                      |                |                    |
| 67-21-35                         | A333-1        | Stop . . . . .                                                                          | X              | 1                  |
| 36                               | B0500-022-S   | Belleville Washer . . . . .                                                             | X              | 2                  |
| 37                               | NAS1352-4-24P | Screw . . . . .                                                                         | X              | 1                  |
| 38                               | NAS1149F0432P | Washer (or NAS1149F0463P to adjust axial play) . . . . .                                | X              | 4                  |
| 39                               | B330-7        | Palnut . . . . .                                                                        | X              | 2                  |
| 40                               | D210-3        | Nut . . . . .                                                                           | X              | 4                  |
| 41                               | NAS1149F0332P | Washer . . . . .                                                                        | X              | 7                  |
| 42                               | A130-4        | Spacer . . . . .                                                                        | X              | 1                  |
| 43                               | F348-1        | Anchor (Ref)                                                                            |                |                    |
| 44                               | NAS6603-5     | Bolt . . . . .                                                                          | X              | 1                  |
| 45                               | A959-1        | Cap (install using item 2) . . . . .                                                    | X              | 1                  |
| 46                               | C758-2        | Stick Assembly – Collective (LH [Co-pilot]; includes items 45,<br>47, and 48) . . . . . | X              | 1                  |
| 47                               | A654-6        | Decal – “THROTTLE OPEN” . . . . .                                                       | X              | 1                  |
| 48                               | A654-21       | Decal – “NO STOWAGE / KEEP AREA CLEAR” . . . . .                                        | X              | 1                  |
| 49                               | V3-1          | Switch (Hourmeter and Low RPM Warning, Ref; see Figure<br>96-23)                        |                |                    |
| 50                               | C522-10       | Control Cable (Ref, see Figure 76-1)                                                    |                |                    |
| 51                               | AN742-3       | Clamp . . . . .                                                                         | X              | 3                  |
| 52                               | MS27039C1-07  | Screw . . . . .                                                                         | X              | 3                  |
| 53                               | B162-4        | Clipnut . . . . .                                                                       | X              | 1                  |
| 54                               | A105-6        | Journal . . . . .                                                                       | X              | 1                  |
| 55                               | NAS1149E0363R | Washer . . . . .                                                                        | X              | 1                  |
| 56                               | A130-48       | Spacer (install using item 57) . . . . .                                                | X              | 1                  |
| 57                               | A257-1        | Grease . . . . .                                                                        | X              | A/R                |
| 58                               | A462-4        | Fitting . . . . .                                                                       | X              | 1                  |
| 59                               | NAS6604-11    | Bolt . . . . .                                                                          | X              | 1                  |
| 60                               | NAS1149F0432P | Washer . . . . .                                                                        | X              | 5                  |
| 61                               | F303-1        | Support Assembly . . . . .                                                              | X              | 1                  |
| 62                               | D210-4        | Nut . . . . .                                                                           | X              | 3                  |
| 63                               | B330-13       | Palnut . . . . .                                                                        | X              | 3                  |
| 64                               | C329-3        | Bearing Block Assembly (Ref)                                                            |                |                    |
| 65                               | F290-1        | Seat Support Assembly (RH, forward; Ref)                                                |                |                    |
| 66                               | NAS6604-17    | Bolt . . . . .                                                                          | X              | 1                  |
| 67                               | B158-3        | Heat Shrink . . . . .                                                                   | X              | A/R                |
| NOTES                            |               |                                                                                         |                |                    |
|                                  |               |                                                                                         |                | Continues          |

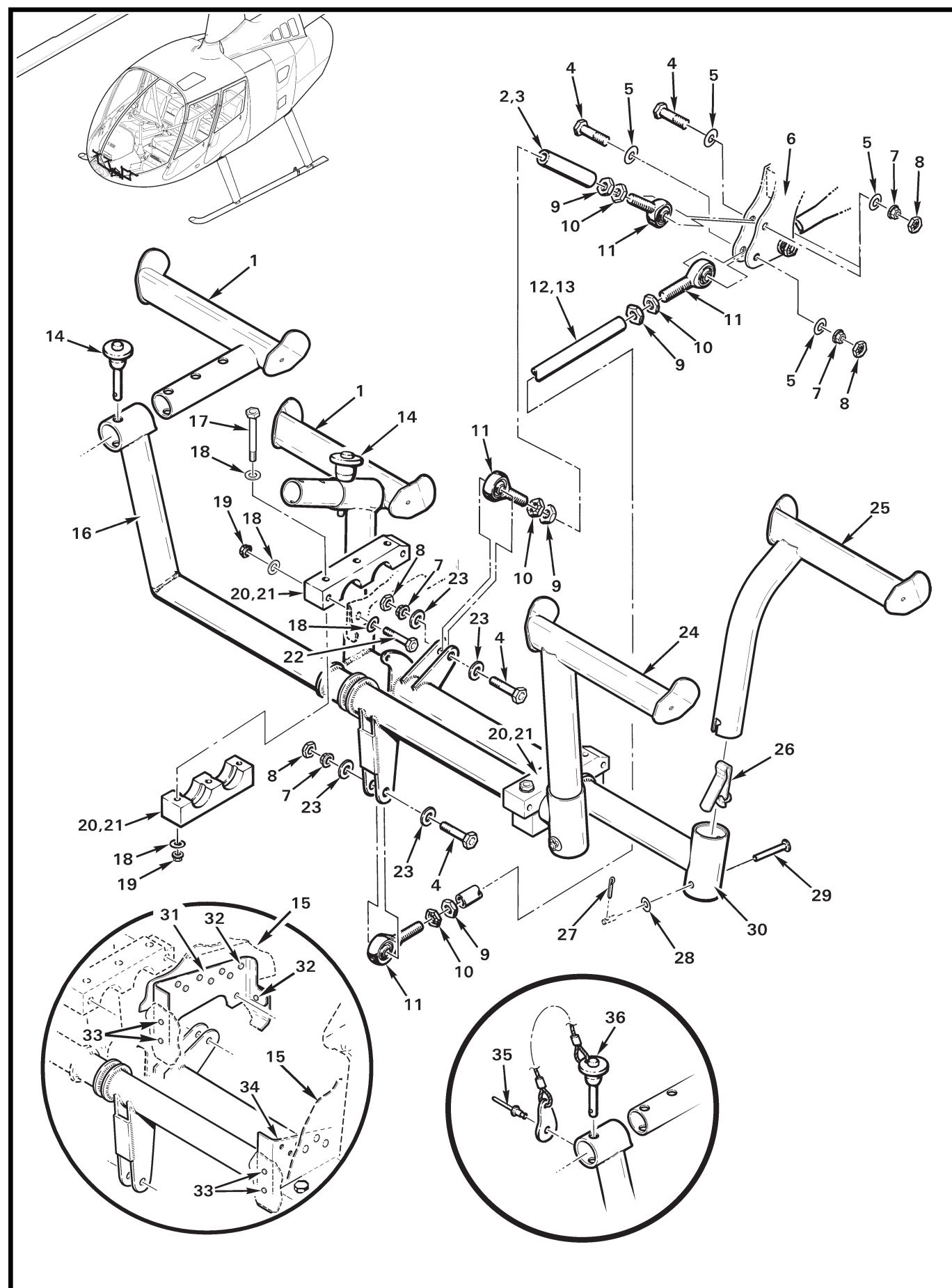
| FIGURE<br>AND<br>INDEX<br>NUMBER | PART NUMBER  | DESCRIPTION                                     | PARTS<br>AVAIL | QTY<br>PER<br>ASSY |
|----------------------------------|--------------|-------------------------------------------------|----------------|--------------------|
|                                  |              | COLLECTIVE STICK ASSEMBLY (Cont'd)              |                |                    |
| 67-21-68                         | B263-18      | Housing . . . . .                               | X              | 1                  |
|                                  | B263-1       | Pin . . . . .                                   | X              | 5                  |
| 69                               | MS24665-132  | Cotter Pin . . . . .                            | X              | 2                  |
| 70                               | B774-4       | Spring . . . . .                                | X              | 2                  |
| 71                               | MS20392-1C13 | Pin . . . . .                                   | X              | 2                  |
| 72                               | MS21266-1N   | Grommet (install using item 73) . . . . .       | X              | A/R                |
| 73                               | B270-8qt     | Adhesive . . . . .                              | X              | A/R                |
| 74                               | NAS6604-9    | Bolt . . . . .                                  | X              | 1                  |
| 75                               | F121-1       | Push-Pull Tube Assembly (Ref; see Figure 67-33) |                |                    |
| NOTES                            |              |                                                 |                |                    |



| FIGURE<br>AND<br>INDEX<br>NUMBER                  | PART NUMBER   | DESCRIPTION                                          | PARTS<br>AVAIL | QTY<br>PER<br>ASSY |
|---------------------------------------------------|---------------|------------------------------------------------------|----------------|--------------------|
|                                                   |               | JACKSHAFT WELDMENT INSTALLATION                      |                |                    |
| 67-25-1                                           | D212-6        | Servo Assembly (aft, Ref; see Figure 29-11)          |                |                    |
| 2                                                 | B330-16       | Palnut (Ref)                                         |                |                    |
| 3                                                 | AN316-5R      | Nut (Ref)                                            |                |                    |
| 4                                                 | C343-8*       | Tube (Revision O and subsequent) . . . . .           | X              | 1                  |
| 5                                                 | B163-2        | Rod End . . . . .                                    | X              | 2                  |
| 6                                                 | B330-13       | Palnut . . . . .                                     | X              | 4                  |
| 7                                                 | D210-4        | Nut . . . . .                                        | X              | 4                  |
| 8                                                 | A214-3        | Washer . . . . .                                     | X              | 2                  |
| 9                                                 | A115-1        | Spacer . . . . .                                     | X              | 2                  |
| 10                                                | NAS1149F0432P | Bolt . . . . .                                       | X              | 6                  |
| 11                                                | NAS6604-29    | Bolt . . . . .                                       | X              | 1                  |
| 12                                                | F339-1        | Jackshaft Weldment Assembly . . . . .                | X              | 1                  |
| 13                                                | NAS6604-33    | Bolt . . . . .                                       | X              | 1                  |
| 14                                                | F121-7        | Push-Pull Tube Assembly (Ref; see Figure 67-5)       |                |                    |
| 15                                                | NAS6604-11    | Bolt . . . . .                                       | X              | 1                  |
| 16                                                | NAS664-8      | Bolt . . . . .                                       | X              | 1                  |
| 17                                                | A105-6        | Journal . . . . .                                    | X              | 1                  |
| 18                                                | O6DU06        | Bearing (install bearing using wet primer) . . . . . | X              | 1                  |
| 19                                                | G201-1        | Frame Assembly – Hydraulic Servo Support (Ref)       |                |                    |
| 20                                                | B330-16       | Palnut . . . . .                                     | X              | 2                  |
| 21                                                | AN316-5R      | Nut . . . . .                                        | X              | 2                  |
| 22                                                | C343-8        | Tube (Ref; revision N and prior)                     |                |                    |
| NOTES      * Apply B270-21 protectant to threads. |               |                                                      |                |                    |



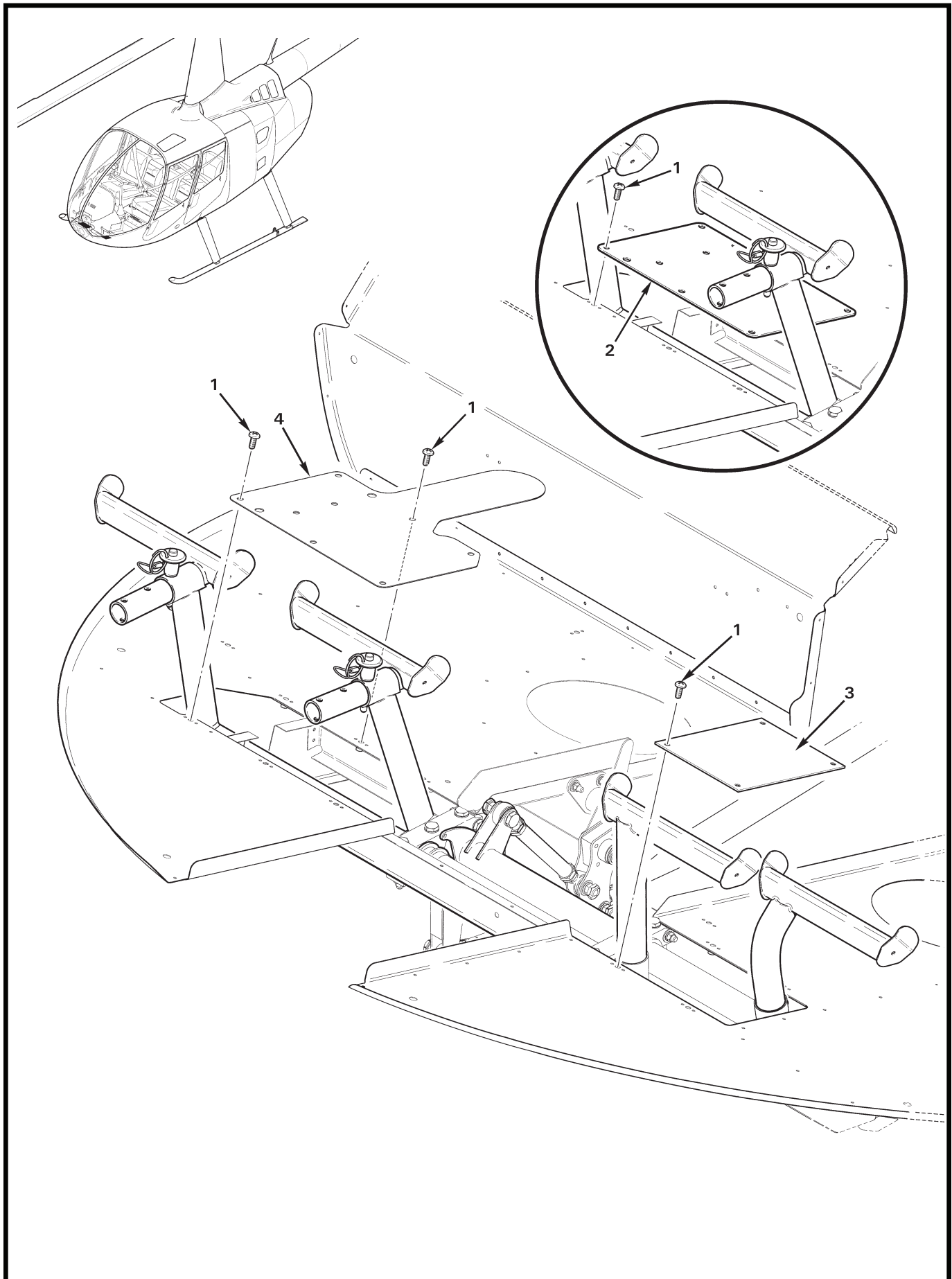
| FIGURE<br>AND<br>INDEX<br>NUMBER                  | PART NUMBER   | DESCRIPTION                                             | PARTS<br>AVAIL | QTY<br>PER<br>ASSY |
|---------------------------------------------------|---------------|---------------------------------------------------------|----------------|--------------------|
|                                                   |               | PUSH-PULL TUBE ASSEMBLIES (UPPER)                       |                |                    |
| 67-27-1                                           | D173-2*       | Rod End . . . . .                                       | X              | 2                  |
| 2                                                 | B330-19       | Palnut . . . . .                                        | X              | 2                  |
| 3                                                 | AN316-6R      | Nut . . . . .                                           | X              | 2                  |
| 4                                                 | F121-3        | Push-Pull Tube Assembly (Incl items 1 thru 3) . . . . . | X              | 3                  |
| 5                                                 | NAS6605-9     | Bolt . . . . .                                          | X              | 3                  |
| 6                                                 | NAS1149F0532P | Washer . . . . .                                        | X              | 6                  |
| 7                                                 | D210-5        | Nut . . . . .                                           | X              | 3                  |
| 8                                                 | B330-16       | Palnut . . . . .                                        | X              | 3                  |
| 9                                                 | D212-5        | Servo Assembly (Ref, forward)                           |                |                    |
| 10                                                | D212-6        | Servo Assembly (Ref, aft)                               |                |                    |
| 11                                                | G201-1        | Frame Assembly – Hydraulic Servo Support (Ref)          |                |                    |
| 12                                                | F006          | Main Rotor Gearbox Assembly (Ref)                       |                |                    |
| NOTES      * Apply B270-21 protectant to threads. |               |                                                         |                |                    |



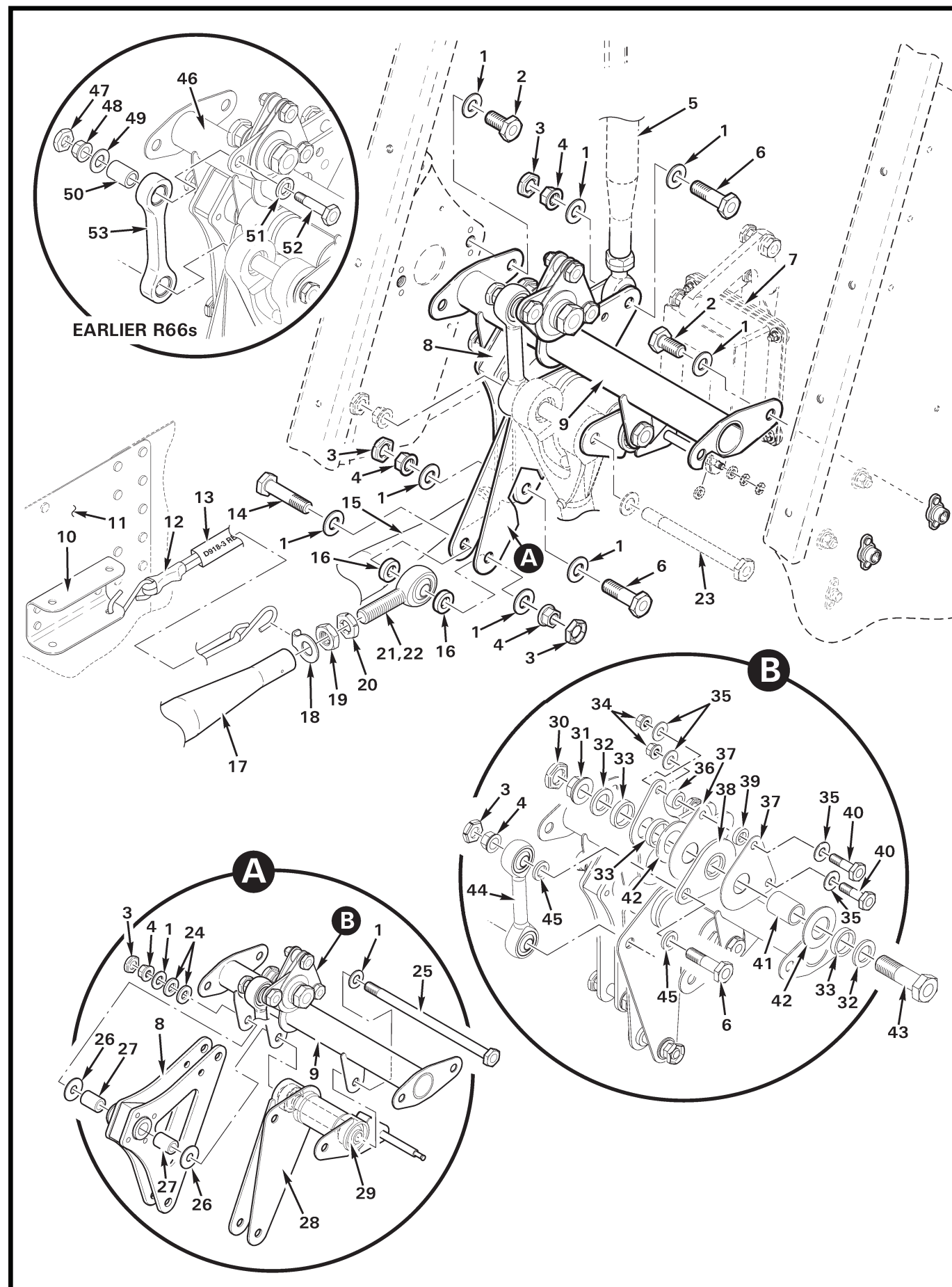
| FIGURE<br>AND<br>INDEX<br>NUMBER                                                                                                                                | PART NUMBER   | DESCRIPTION                                                      | PARTS<br>AVAIL | QTY<br>PER<br>ASSY |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------------------------------------------------------|----------------|--------------------|
|                                                                                                                                                                 |               | TAIL ROTOR CONTROLS – ADJUSTABLE PEDALS                          |                |                    |
| 67-29-1                                                                                                                                                         | F755-1        | Pedal – Pilot Side (left and right foot) . . . . .               | X              | 2                  |
| 2                                                                                                                                                               | C343-13*      | Tube Assembly (Incl items 3, and 9 thru 11) . . . . .            | X              | 1                  |
| 3                                                                                                                                                               | C343-14       | Tube (Ref)                                                       |                |                    |
| 4                                                                                                                                                               | NAS6604-9     | Bolt . . . . .                                                   | X              | 4                  |
| 5                                                                                                                                                               | NAS1149FN432P | Washer . . . . .                                                 | X              | 4                  |
| 6                                                                                                                                                               | C317-9        | Bellcrank Assembly (Ref; see Figure 67-35)                       |                |                    |
| 7                                                                                                                                                               | D210-4        | Nut . . . . .                                                    | X              | 4                  |
| 8                                                                                                                                                               | B330-13       | Palnut . . . . .                                                 | X              | 4                  |
| 9                                                                                                                                                               | AN316-5R      | Nut . . . . .                                                    | X              | 2                  |
| 10                                                                                                                                                              | B330-16       | Palnut . . . . .                                                 | X              | 2                  |
| 11                                                                                                                                                              | A101-4        | Rod End . . . . .                                                | X              | 2                  |
| 12                                                                                                                                                              | C343-11**     | Tube Assembly (Incl items 9 thru 11, and 13) . . . . .           | X              | 1                  |
| 13                                                                                                                                                              | C343-12       | Tube (Ref)                                                       |                |                    |
| 14                                                                                                                                                              | B232-1        | Pin (locking; button handle) . . . . .                           | X              | 2                  |
| 15                                                                                                                                                              | F033          | Lower Console Assembly (Ref)                                     |                |                    |
| 16                                                                                                                                                              | D755-4        | Pedal Assembly (right foot, includes items 14, and 27 thru 29)   | X              | 1                  |
| 17                                                                                                                                                              | NAS6603-20    | Bolt . . . . .                                                   | X              | 6                  |
| 18                                                                                                                                                              | NAS1149F0332P | Washer . . . . .                                                 | X              | 20                 |
| 19                                                                                                                                                              | D210-3        | Nut . . . . .                                                    | X              | 14                 |
| 20                                                                                                                                                              | A318-1-2      | Bearing Block Set (install using item 21 in grooves) . . . . .   | X              | 1                  |
| 21                                                                                                                                                              | A257-1        | Grease . . . . .                                                 | X              | A/R                |
| 22                                                                                                                                                              | NAS6603-13    | Bolt . . . . .                                                   | X              | 4                  |
| 23                                                                                                                                                              | NAS1149F0436P | Washer . . . . .                                                 | X              | 4                  |
| 24                                                                                                                                                              | F755-3        | Pedal Assembly – Co-Pilot (right foot, includes item 26) . . . . | X              | 1                  |
|                                                                                                                                                                 | F755-10       | Pedal Assembly – Short Co-Pilot (right foot, includes item 26)   | X              | 1                  |
| 25                                                                                                                                                              | F755-2        | Pedal Assembly – Co-Pilot (left foot, includes item 26) . . . .  | X              | 1                  |
|                                                                                                                                                                 | F755-9        | Pedal Assembly – Short Co-Pilot (left foot, includes item 26)    | X              | 1                  |
| 26                                                                                                                                                              | A795-4        | Pin . . . . .                                                    | X              | 2                  |
| 27                                                                                                                                                              | MS24665-132   | Cotter Pin . . . . .                                             | X              | 2                  |
| 28                                                                                                                                                              | NAS1149D0316J | Washer (or AN960PD10L) . . . . .                                 | X              | 2                  |
| 29                                                                                                                                                              | MS20392-2C33  | Flathead Pin . . . . .                                           | X              | 2                  |
| 30                                                                                                                                                              | D755-1        | Pedal Assembly (left foot, includes items 14, and 27 thru 29)    | X              | 1                  |
| 31                                                                                                                                                              | A359-2        | Support – RH . . . . .                                           | X              | 1                  |
| 32                                                                                                                                                              | MS20470AD4    | Rivet . . . . .                                                  | X              | 20                 |
| 33                                                                                                                                                              | MS20470AD3    | Rivet . . . . .                                                  | X              | 4                  |
| NOTES * 5.30-inch nominal center to center. Apply B270-21 protectant to threads.<br>** 5.82-inch nominal center to center. Apply B270-21 protectant to threads. |               |                                                                  |                |                    |
|                                                                                                                                                                 |               |                                                                  |                | Continues          |

| FIGURE<br>AND<br>INDEX<br>NUMBER | PART NUMBER | DESCRIPTION                                                                                     | PARTS<br>AVAIL | QTY<br>PER<br>ASSY |
|----------------------------------|-------------|-------------------------------------------------------------------------------------------------|----------------|--------------------|
| 67-29-34                         | A359-1      | TAIL ROTOR CONTROLS – ADJUSTABLE PEDALS (Cont'd)                                                |                |                    |
|                                  |             | Support – LH . . . . .                                                                          | X              | 1                  |
|                                  |             | Rivet . . . . .                                                                                 | X              | 2                  |
|                                  |             | Pin (Locking; button handle with lanyard and tab. Ref; to<br>replace, order item 14.) . . . . . | O              | 2                  |
| NOTES                            |             |                                                                                                 |                |                    |

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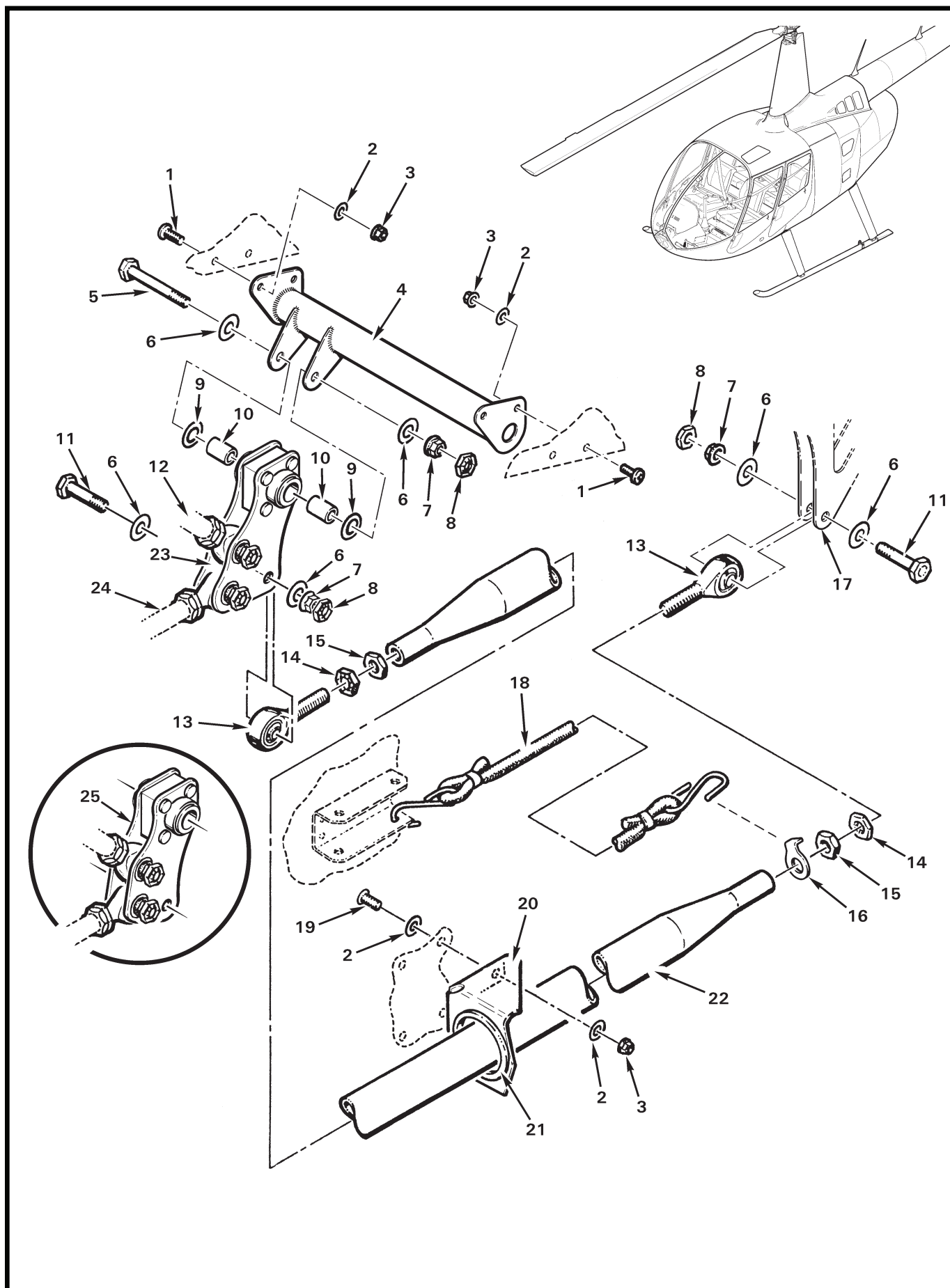
| FIGURE<br>AND<br>INDEX<br>NUMBER | PART NUMBER  | DESCRIPTION                                               | PARTS<br>AVAIL | QTY<br>PER<br>ASSY |
|----------------------------------|--------------|-----------------------------------------------------------|----------------|--------------------|
| 67-31-1                          |              | TAIL ROTOR CONTROLS - PEDAL COVER INSTALLATION            |                |                    |
|                                  | MS27039C0806 | Screw . . . . .                                           | X              | 12                 |
|                                  | 2 A412-3     | Cover – Pedals (RH; earlier helicopters) . . . . .        | X              | 1                  |
|                                  | 3 A412-1     | Cover – Pedals (LH) . . . . .                             | X              | 1                  |
|                                  | 4 A412-4     | Cover – Pedals (RH, with tab. Replaces item 2.) . . . . . | X              | 1                  |
|                                  |              |                                                           |                |                    |



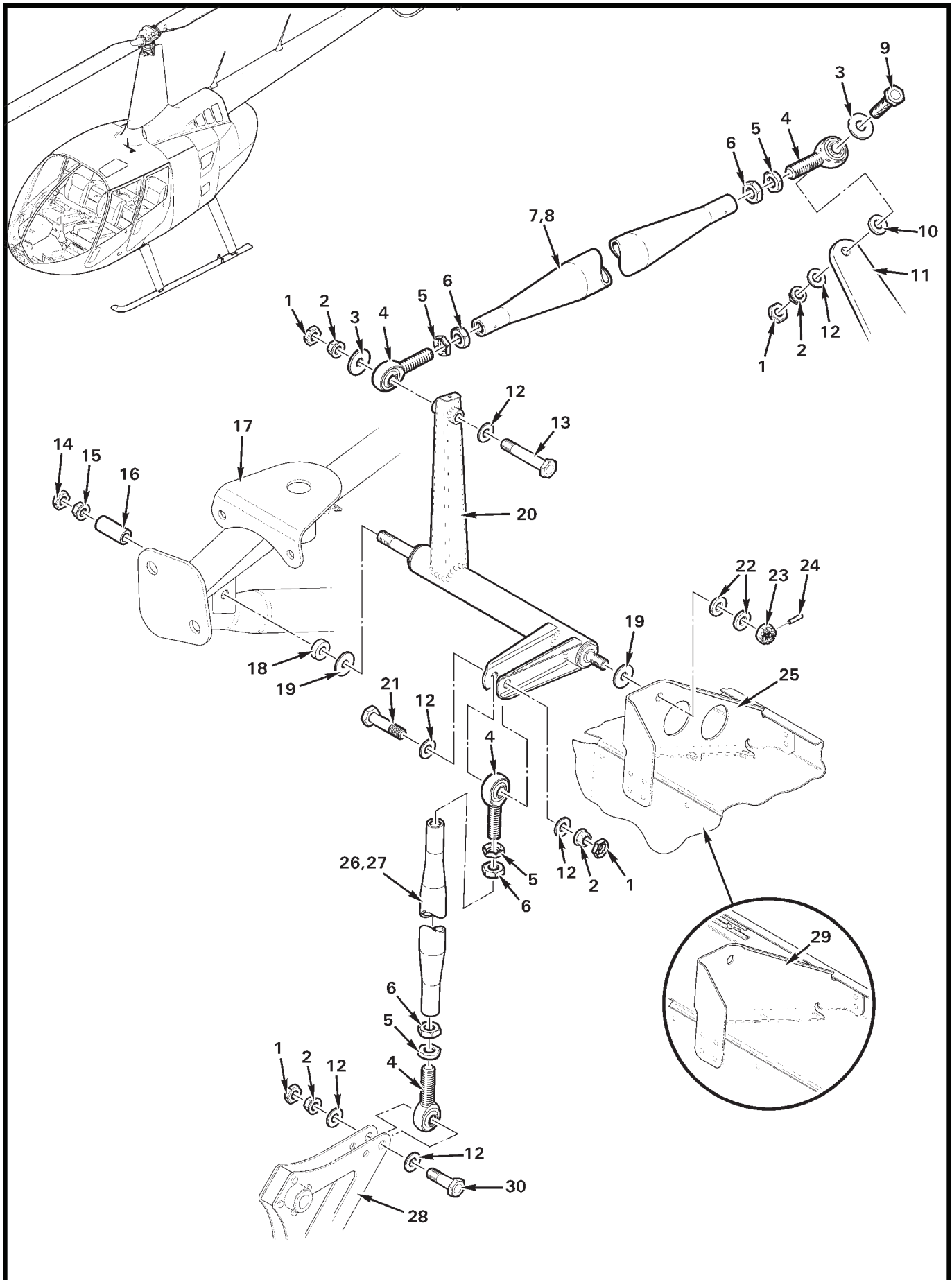
| FIGURE<br>AND<br>INDEX<br>NUMBER | PART NUMBER   | DESCRIPTION                                                                    | PARTS<br>AVAIL | QTY<br>PER<br>ASSY |
|----------------------------------|---------------|--------------------------------------------------------------------------------|----------------|--------------------|
|                                  |               | F334 SUPPORT ASSEMBLY INSTALLATION                                             |                |                    |
| 67-33-1                          | NAS1149F0432P | Washer . . . . .                                                               | X              | 12                 |
| 2                                | NAS6604-2     | Bolt . . . . .                                                                 | X              | 4                  |
| 3                                | B330-13       | Palnut . . . . .                                                               | X              | 5                  |
| 4                                | D210-4        | Nut . . . . .                                                                  | X              | 5                  |
| 5                                | F121-11       | Push Pull Tube Assembly (Ref)                                                  |                |                    |
| 6                                | NAS6604-9     | Bolt . . . . .                                                                 | X              | 3                  |
| 7                                | F334-2        | Actuator Assembly (Ref; see Figure 76-7)                                       |                |                    |
| 8                                | C317-7        | Bellcrank . . . . .                                                            | X              | 1                  |
| 9                                | F334-3        | Aft Support Assembly (Incl items 3, 4, 6, 8, 14, 16, and 24 thru 45) . . . . . | X              | 1                  |
| 10                               | A697-3        | Anchor (Ref)                                                                   |                |                    |
| 11                               | F293-2        | Keel Panel (forward, Ref)                                                      |                |                    |
| 12                               | D918-3        | Elastic cord Assembly (6 lb ± 0.25) . . . . .                                  | X              | 1                  |
| 13                               | B158-6        | Heat Shrink (labeled "D918-3 Rev...") . . . . .                                | X              | A/R                |
| 14                               | NAS6604-11    | Bolt . . . . .                                                                 | X              | 1                  |
| 15                               | F121-9        | Push-Pull Tube Assembly (Ref)                                                  |                |                    |
| 16                               | A130-47       | Spacer . . . . .                                                               | X              | 2                  |
| 17                               | F121-1        | Push-Pull Tube Assembly (Incl items 18 thru 22) . . . . .                      | X              | 1                  |
| 18                               | A697-6        | Tab . . . . .                                                                  | X              | 1                  |
| 19                               | AN316-5R      | Nut . . . . .                                                                  | X              | 2                  |
| 20                               | B330-16       | Palnut . . . . .                                                               | X              | 2                  |
| 21                               | A101-4        | Rod End (install using item 22 on threads) . . . . .                           | X              | 2                  |
| 22                               | B270-21       | Protectant . . . . .                                                           | X              | A/R                |
| 23                               | NAS6604-37    | Bolt (Ref; see Figure 67-5)                                                    |                |                    |
| 24                               | NAS1149F0463P | Washer . . . . .                                                               | X              | 2                  |
| 25                               | NAS6604-67    | Bolt . . . . .                                                                 | X              | 1                  |
| 26                               | A141-3        | Washer . . . . .                                                               | X              | 2                  |
| 27                               | A105-3        | Journal . . . . .                                                              | X              | 2                  |
| 28                               | F326-1        | Bellcrank Weldment (Ref)                                                       |                |                    |
| 29                               | B303-1        | Bearing (Ref)                                                                  |                |                    |
| 30                               | B330-19       | Palnut . . . . .                                                               | X              | 1                  |
| 31                               | D210-6        | Nut . . . . .                                                                  | X              | 1                  |
| 32                               | NAS1149F0663P | Washer . . . . .                                                               | X              | 2                  |
| 33                               | C130-25       | Spacer . . . . .                                                               | X              | 3                  |
| 34                               | D210-3        | Nut . . . . .                                                                  | X              | 2                  |
| NOTES                            |               |                                                                                |                |                    |
| Continues                        |               |                                                                                |                |                    |

| FIGURE<br>AND<br>INDEX<br>NUMBER | PART NUMBER   | DESCRIPTION                                                                                                                         | PARTS<br>AVAIL | QTY<br>PER<br>ASSY |
|----------------------------------|---------------|-------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------|
|                                  |               | F334 SUPPORT ASSEMBLY INSTALLATION (Cont'd)                                                                                         |                |                    |
| 67-33-35                         | NAS1149F0332P | Washer . . . . .                                                                                                                    | X              | 4                  |
| 36                               | A130-21       | Spacer . . . . .                                                                                                                    | X              | 2                  |
| 37                               | D336-1        | Plate . . . . .                                                                                                                     | X              | 2                  |
| 38                               | B249-6        | Arm Assembly . . . . .                                                                                                              | X              | 1                  |
| 39                               | C130-24       | Spacer . . . . .                                                                                                                    | X              | 2                  |
| 40                               | NAS6603-6     | Bolt . . . . .                                                                                                                      | X              | 2                  |
| 41                               | B250-13       | Journal . . . . .                                                                                                                   | X              | 1                  |
| 42                               | A478-4        | Spring Washer (install with concave towards item 38) . . . . .                                                                      | X              | 2                  |
| 43                               | NAS6606-11    | Bolt . . . . .                                                                                                                      | X              | 1                  |
| 44                               | B345-3        | Link. . . . .                                                                                                                       | X              | 1                  |
| 45                               | A141-11       | Washer . . . . .                                                                                                                    | X              | 2                  |
| 46                               | F334-1        | Aft Support Assembly (Incl items 8, 14, 16, 24 thru 43,<br>and 47 thru 53. No longer available. Superseded by item<br>9.) . . . . . | O              | 1                  |
| 47                               | B330-13       | Palnut . . . . .                                                                                                                    | X              | 1                  |
| 48                               | D210-4        | Nut . . . . .                                                                                                                       | X              | 1                  |
| 49                               | NAS1149F0432P | Washer . . . . .                                                                                                                    | X              | 1                  |
| 50                               | A105-3        | Journal . . . . .                                                                                                                   | X              | 1                  |
| 51                               | A141-11       | Washer . . . . .                                                                                                                    | X              | 1                  |
| 52                               | NAS6604-9     | Bolt . . . . .                                                                                                                      | X              | 1                  |
| 53                               | C327-1        | Link Assembly (No longer available. Superseded by item 44.)                                                                         | O              | 1                  |
| NOTES                            |               |                                                                                                                                     |                |                    |

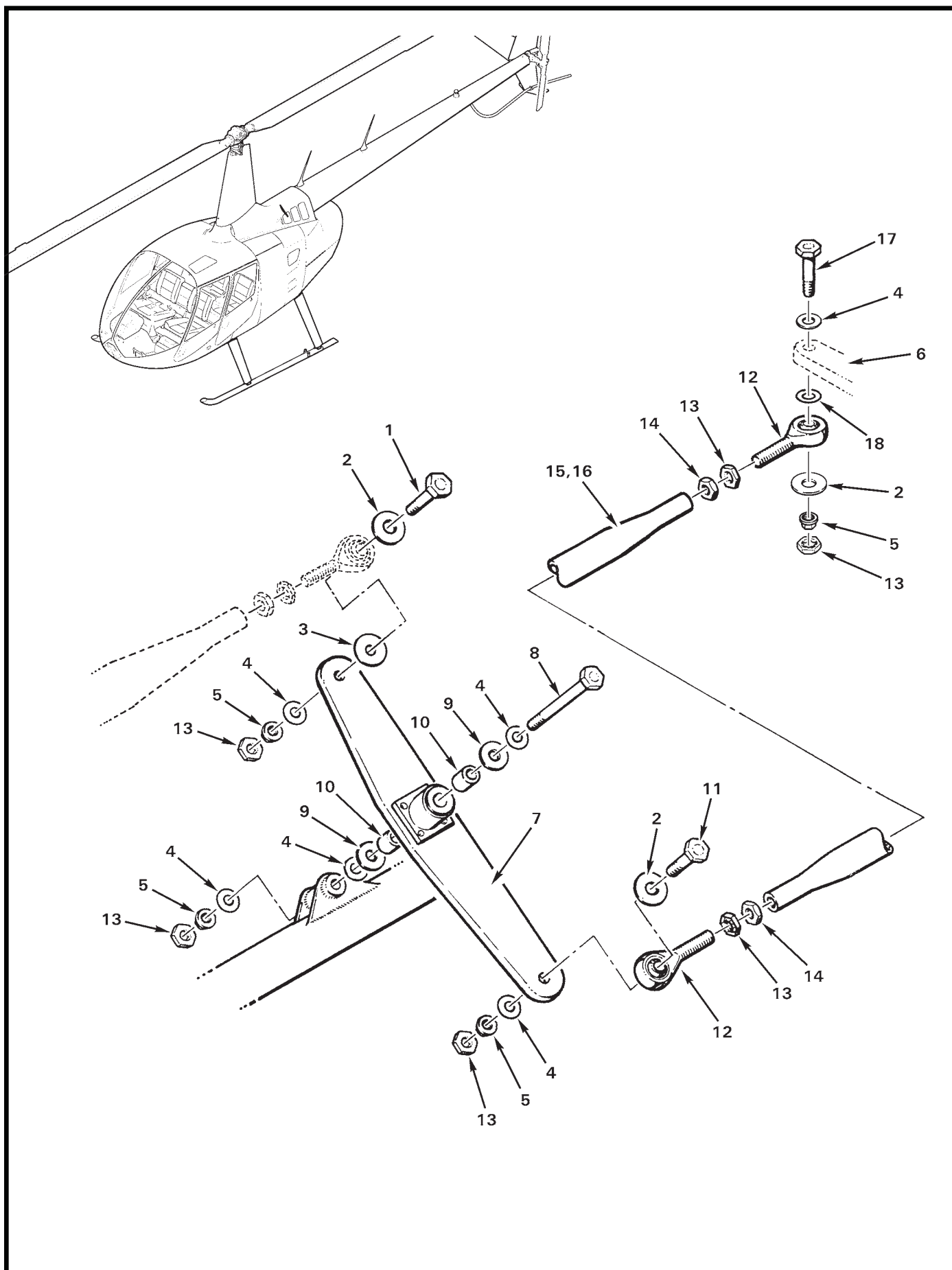
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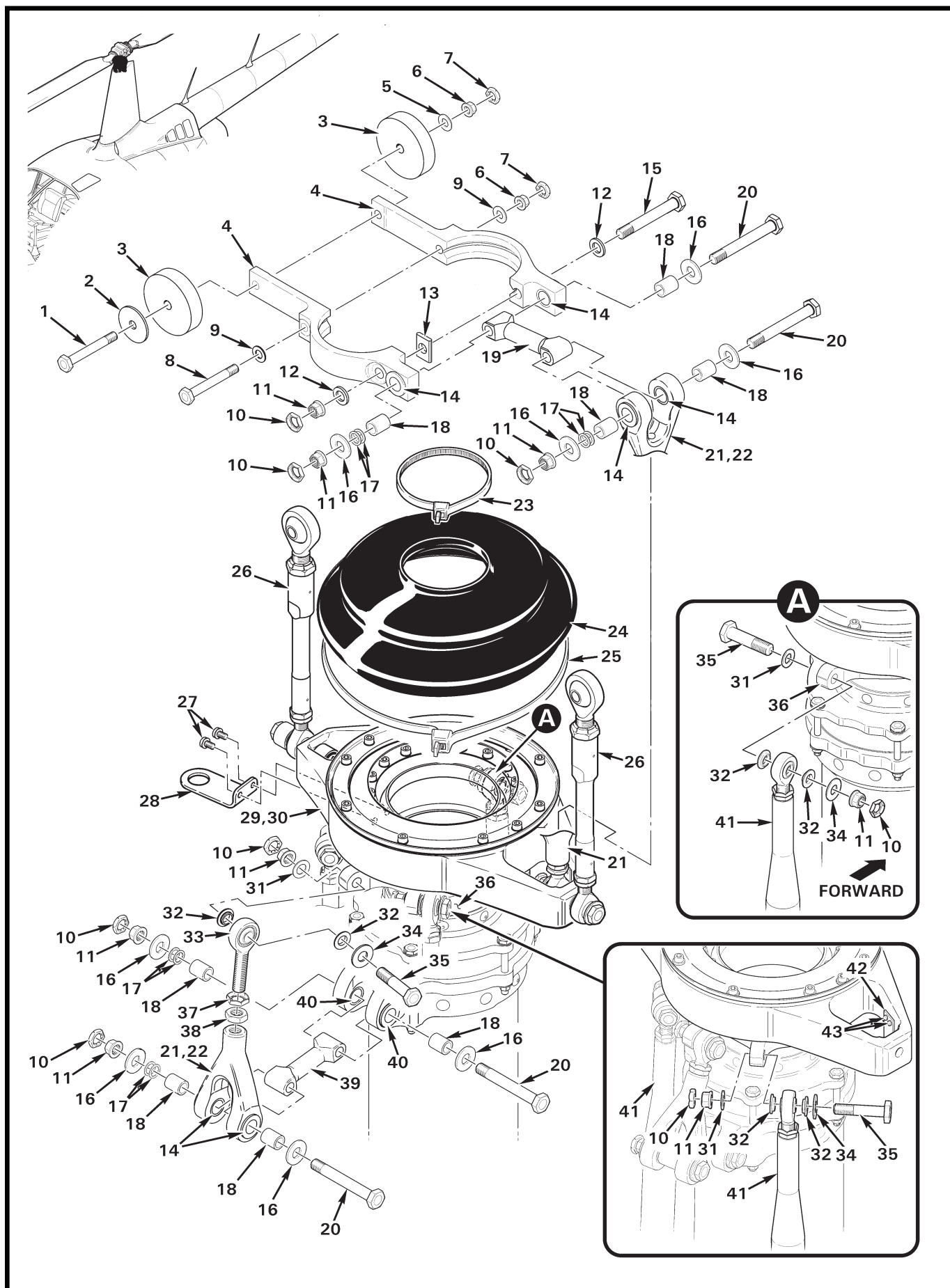
| FIGURE<br>AND<br>INDEX<br>NUMBER | PART NUMBER   | DESCRIPTION                                                                                                                | PARTS<br>AVAIL | QTY<br>PER<br>ASSY |
|----------------------------------|---------------|----------------------------------------------------------------------------------------------------------------------------|----------------|--------------------|
|                                  |               | <b>C317 BELLCRANK ASSEMBLY</b>                                                                                             |                |                    |
| 67-35-1                          | MS27039C0807  | Screw . . . . .                                                                                                            | X              | 4                  |
| 2                                | NAS1149FN832P | Washer . . . . .                                                                                                           | X              | 12                 |
| 3                                | MS21042L08    | Nut . . . . .                                                                                                              | X              | 8                  |
| 4                                | F349-1        | Support Assembly . . . . .                                                                                                 | X              | 1                  |
| 5                                | NAS6604-19    | Bolt . . . . .                                                                                                             | X              | 1                  |
| 6                                | NAS1149F0432P | Washer . . . . .                                                                                                           | X              | 8                  |
| 7                                | D210-4        | Nut . . . . .                                                                                                              | X              | 4                  |
| 8                                | B330-13       | Palnut . . . . .                                                                                                           | X              | 4                  |
| 9                                | A141-3        | Washer . . . . .                                                                                                           | X              | 2                  |
| 10                               | A105-3        | Journal . . . . .                                                                                                          | X              | 2                  |
| 11                               | NAS6604-9     | Bolt . . . . .                                                                                                             | X              | 3                  |
| 12                               | C343-13       | Push-Pull Tube Assembly (Ref, see Figure 67-29)                                                                            |                |                    |
| 13                               | A101-4        | Rod End . . . . .                                                                                                          | X              | 2                  |
| 14                               | B330-16       | Palnut . . . . .                                                                                                           | X              | 2                  |
| 15                               | AN316-5R      | Nut . . . . .                                                                                                              | X              | 2                  |
| 16                               | A697-6        | Tab . . . . .                                                                                                              | X              | 1                  |
| 17                               | C317-7        | Bellcrank Assembly (Ref, revision H and subsequent. See also Figure 67-33.)                                                |                |                    |
| 18                               | A918-1        | Elastic Cord Assembly (6 lb) . . . . .                                                                                     | X              | 1                  |
|                                  | A918-2        | Elastic Cord Assembly (8 lb) . . . . .                                                                                     | X              | 1                  |
|                                  | A918-3        | Elastic Cord Assembly (10 lb) . . . . .                                                                                    | X              | 1                  |
|                                  | A918-4        | Elastic Cord Assembly (12 lb) . . . . .                                                                                    | X              | 1                  |
|                                  | A918-5        | Elastic Cord Assembly (14 lb) . . . . .                                                                                    | X              | 1                  |
|                                  | A918-6        | Elastic Cord Assembly (16 lb) . . . . .                                                                                    | X              | 1                  |
|                                  | A918-7        | Elastic Cord Assembly (18 lb) . . . . .                                                                                    | X              | 1                  |
|                                  | A918-8        | Elastic Cord Assembly (20 lb) . . . . .                                                                                    | X              | 1                  |
| 19                               | MS27039C0806  | Screw . . . . .                                                                                                            | X              | 4                  |
| 20                               | C346-1        | Restraint . . . . .                                                                                                        | X              | 1                  |
| 21                               | NAS557-22A    | Grommet . . . . .                                                                                                          | X              | 1                  |
| 22                               | F121-9        | Push-Pull Tube Assembly (Incl items 13 thru 16) . . . . .                                                                  | X              | 1                  |
| 23                               | C317-9        | Bellcrank Assembly (Must be used only with item 17, revision "H" and subsequent, and item 25 from Figure 67-37.) . . . . . | X              | 1                  |
| 24                               | C343-11       | Push-Pull Tube Assembly (Ref, see Figure 67-29)                                                                            |                |                    |
| 25                               | C317-5        | Bellcrank Assembly (For earlier R66's. Superseded by item 23.)                                                             | X              | 1                  |
| NOTES                            |               |                                                                                                                            |                |                    |



| FIGURE<br>AND<br>INDEX<br>NUMBER | PART NUMBER   | DESCRIPTION                                                                          | PARTS<br>AVAIL | QTY<br>PER<br>ASSY |
|----------------------------------|---------------|--------------------------------------------------------------------------------------|----------------|--------------------|
|                                  |               | F316 BELLCRANK ASSEMBLY                                                              |                |                    |
| 67-37-1                          | B330-13       | Palnut . . . . .                                                                     | X              | 4                  |
| 2                                | D210-4        | Nut . . . . .                                                                        | X              | 4                  |
| 3                                | A214-3        | Washer . . . . .                                                                     | X              | 2                  |
| 4                                | A101-4        | Rod End . . . . .                                                                    | X              | 2                  |
| 5                                | B330-16       | Palnut . . . . .                                                                     | X              | 2                  |
| 6                                | AN316-5R      | Nut . . . . .                                                                        | X              | 2                  |
| 7                                | F121-13       | Push-Pull Tube Assembly (Incl items 3 thru 6) . . . . .                              | X              | 1                  |
| 8                                | F121-14       | Tube (Ref)                                                                           |                |                    |
| 9                                | NAS6604-11    | Bolt . . . . .                                                                       | X              | 1                  |
| 10                               | MS20002-4     | Washer . . . . .                                                                     | X              | 1                  |
| 11                               | A331-4        | Bellcrank Assembly (Ref, see Figure 67-39)                                           |                |                    |
| 12                               | NAS1149F0432P | Washer . . . . .                                                                     | X              | 6                  |
| 13                               | NAS6604-21    | Bolt . . . . .                                                                       | X              | 1                  |
| 14                               | B330-13       | Palnut . . . . .                                                                     | X              | 1                  |
| 15                               | D210-4        | Nut . . . . .                                                                        | X              | 1                  |
| 16                               | C130-34       | Spacer . . . . .                                                                     | X              | 1                  |
| 17                               | F020          | Frame Assembly (Ref)                                                                 |                |                    |
| 18                               | A130-42       | Spacer . . . . .                                                                     | X              | 1                  |
| 19                               | A141-3        | Washer . . . . .                                                                     | X              | 2                  |
| 20                               | F316-1        | Bellcrank Assembly (Incl items 14 thru 16, 18, 19, and 22 thru 24) . . . . .         | X              | 1                  |
| 21                               | NAS6604-8     | Bolt . . . . .                                                                       | X              | 1                  |
| 22                               | NAS1149F0463P | Washer . . . . .                                                                     | X              | 2                  |
| 23                               | MS17825-4     | Nut . . . . .                                                                        | X              | 1                  |
| 24                               | MS16562-14    | Spring Pin . . . . .                                                                 | X              | 1                  |
| 25                               | G247-1        | Support Assembly (revision "C" and subsequent) . . . . .                             | O              | 1                  |
| 26                               | F121-11       | Push-Pull Tube Assembly (Incl items 4 thru 6, and 26) . . . . .                      | X              | 1                  |
| 27                               | F121-12       | Tube (Ref)                                                                           |                |                    |
| 28                               | C317-7        | Bellcrank Assembly (Ref, see Figure 67-33)                                           |                |                    |
| 29                               | G247-1        | Support Assembly (Ref, revision "B" and prior, earlier R66s. Superseded by item 25.) |                |                    |
| 30                               | NAS6604-9     | Bolt . . . . .                                                                       | X              | 1                  |
| NOTES                            |               |                                                                                      |                |                    |



| FIGURE<br>AND<br>INDEX<br>NUMBER | PART NUMBER   | DESCRIPTION                                                           | PARTS<br>AVAIL | QTY<br>PER<br>ASSY |
|----------------------------------|---------------|-----------------------------------------------------------------------|----------------|--------------------|
|                                  |               | A331 BELLCRANK ASSEMBLY                                               |                |                    |
| 67-39-1                          | NAS6604-11    | Bolt . . . . .                                                        | X              | 1                  |
| 2                                | A214-3        | Washer . . . . .                                                      | X              | 3                  |
| 3                                | MS20002-4     | Washer . . . . .                                                      | X              | 1                  |
| 4                                | NAS1149F0432P | Washer . . . . .                                                      | X              | 6                  |
| 5                                | D210-4        | Nut . . . . .                                                         | X              | 4                  |
| 6                                | A120-5        | Bellcrank (ref)                                                       |                |                    |
| 7                                | A331-4        | Bellcrank Assembly . . . . .                                          | X              | 1                  |
| 8                                | NAS6604-35    | Bolt . . . . .                                                        | X              | 1                  |
| 9                                | A141-3        | Washer . . . . .                                                      | X              | 2                  |
| 10                               | A105-3        | Journal . . . . .                                                     | X              | 2                  |
| 11                               | NAS6604-9     | Bolt . . . . .                                                        | X              | 1                  |
| 12                               | A127-4        | Rod End . . . . .                                                     | X              | 2                  |
| 13                               | B330-13       | Stamped Nut . . . . .                                                 | X              | 6                  |
| 14                               | AN316-4R      | Nut . . . . .                                                         | X              | 2                  |
| 15                               | C121-17       | Push-Pull Tube Assembly (incl items 12 thru 14, and 16) . . . .       | X              | 1                  |
| 16                               | C121-18       | Tube (ref)                                                            |                |                    |
| 17                               | NAS6604-10    | Bolt . . . . .                                                        | X              | 1                  |
| 18                               | NAS1149F0432P | Washer (or NAS1149F0463P as required for minimum clearance) . . . . . | X              | A/R                |
| NOTES                            |               |                                                                       |                |                    |

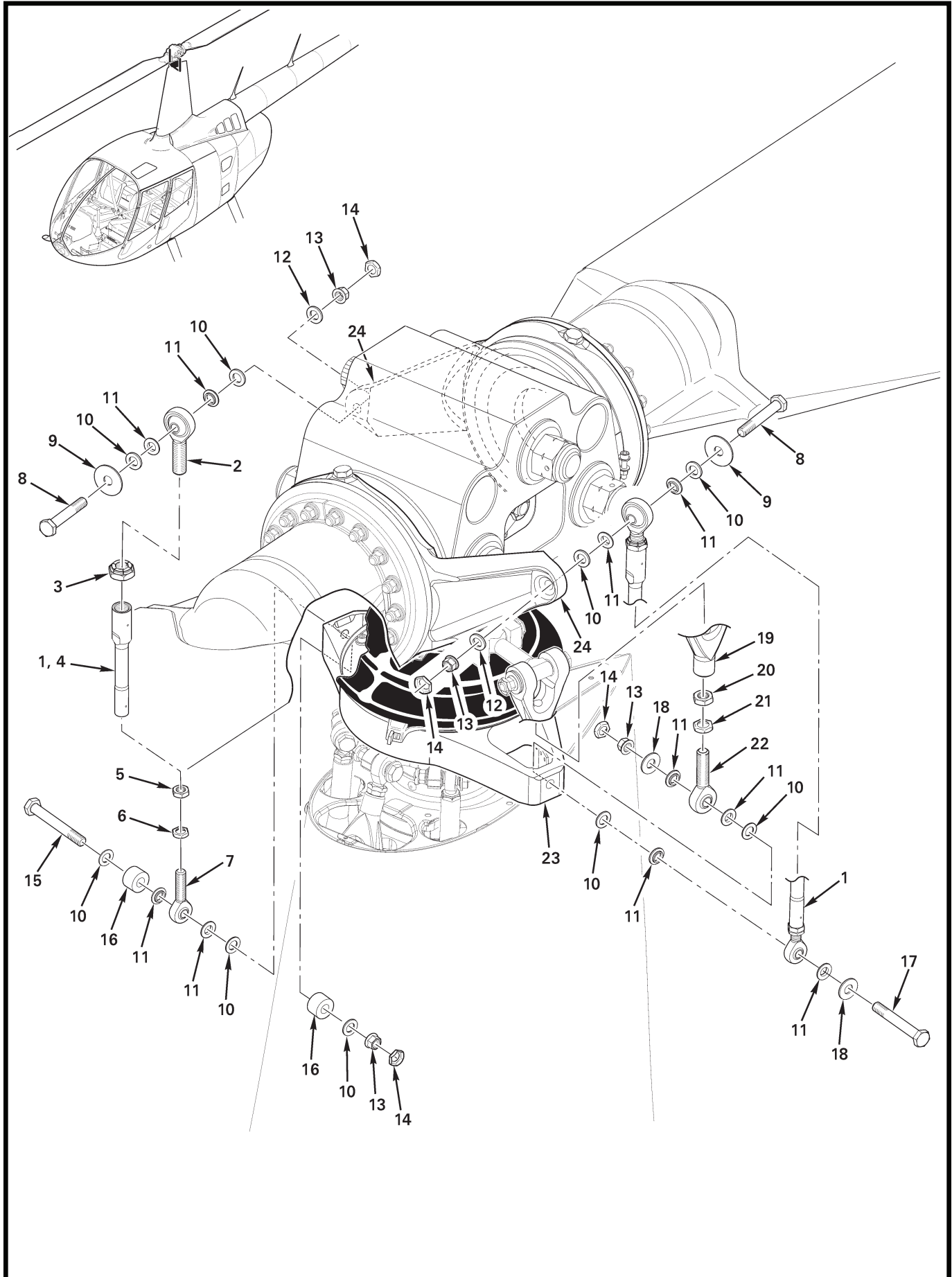


| FIGURE<br>AND<br>INDEX<br>NUMBER                                                                                                                            | PART NUMBER   | DESCRIPTION                                                                                                    | PARTS<br>AVAIL | QTY<br>PER<br>ASSY |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----------------------------------------------------------------------------------------------------------------|----------------|--------------------|
|                                                                                                                                                             |               | C017-6 SWASHPLATE INSTALLATION                                                                                 |                |                    |
| 67-41-1                                                                                                                                                     | NAS6604-24    | Bolt (Select bolt length which, after correct torque is applied, exposes 2 to 4 threads beyond nut.) . . . . . | X              | 1                  |
| 2                                                                                                                                                           | AN970-4 *     | Washer (A/R for balance) . . . . .                                                                             | X              | A/R                |
| 3                                                                                                                                                           | A255-1 *      | Counter Weight (1.10 in. O.D.) . . . . .                                                                       | X              | A/R                |
|                                                                                                                                                             | A255-2 *      | Counter Weight (1.90 in. O.D.) . . . . .                                                                       | X              | A/R                |
| 4                                                                                                                                                           | C203-5        | Yoke Assembly (includes item 14[1]) . . . . .                                                                  | X              | 2                  |
| 5                                                                                                                                                           | NAS1149F0432P | Washer (or NAS1149F0463P as required for proper thread engagement) . . . . .                                   | X              | A/R                |
| 6                                                                                                                                                           | D210-4        | Nut . . . . .                                                                                                  | X              | 2                  |
| 7                                                                                                                                                           | B330-13       | Stamped Nut . . . . .                                                                                          | X              | 2                  |
| 8                                                                                                                                                           | NAS6604-24    | Bolt . . . . .                                                                                                 | X              | 1                  |
| 9                                                                                                                                                           | NAS1149F0432P | Washer . . . . .                                                                                               | X              | 2                  |
| 10                                                                                                                                                          | B330-16       | Stamped Nut . . . . .                                                                                          | X              | 9                  |
| 11                                                                                                                                                          | D210-5        | Nut . . . . .                                                                                                  | X              | 9                  |
| 12                                                                                                                                                          | NAS1149F0563P | Washer . . . . .                                                                                               | X              | 2                  |
| 13                                                                                                                                                          | A210-1        | Key . . . . .                                                                                                  | X              | 1                  |
| 14                                                                                                                                                          | C648-2        | Bearing – Journal (install wet; see R66 MM § 20-75 for approved primer) . . . . .                              | X              | 6                  |
| 15                                                                                                                                                          | NAS6605-28    | Bolt . . . . .                                                                                                 | X              | 1                  |
| 16                                                                                                                                                          | C141-19       | Washer . . . . .                                                                                               | X              | 8                  |
| 17                                                                                                                                                          | C117-67       | Shim (thickness = 0.016 in.) . . . . .                                                                         | X              | A/R                |
|                                                                                                                                                             | C117-68       | Shim (thickness = 0.020 in.) . . . . .                                                                         | X              | A/R                |
|                                                                                                                                                             | C117-69       | Shim (thickness = 0.025 in.) . . . . .                                                                         | X              | A/R                |
| 18                                                                                                                                                          | C105-6        | Journal (length = 0.526 in.) . . . . .                                                                         | X              | 8                  |
| 19                                                                                                                                                          | C204-3        | Arm (upper; 2.870 inches long) . . . . .                                                                       | X              | 1                  |
| 20                                                                                                                                                          | NAS6605-31    | Bolt . . . . .                                                                                                 | X              | 4                  |
| 21                                                                                                                                                          | A205-7        | Fork Assembly (includes item 14 [2]; see Figure 67-43B or 67-43D.) . . . . .                                   | X              | 2                  |
| 22                                                                                                                                                          | B270-13       | Sealant (to fill cavity in item 21) . . . . .                                                                  | X              | A/R                |
| 23                                                                                                                                                          | MS3367-7-0    | Ty-Rap . . . . .                                                                                               | X              | 1                  |
| 24                                                                                                                                                          | C480-1        | Boot . . . . .                                                                                                 | X              | 1                  |
| 25                                                                                                                                                          | MS3367-6-0    | Ty-Rap . . . . .                                                                                               | X              | 1                  |
| 26                                                                                                                                                          | C258-8 **     | Pitch Link Assembly (ref)                                                                                      |                |                    |
| 27                                                                                                                                                          | NAS1352N08-4  | Screw . . . . .                                                                                                | X              | 2                  |
| 28                                                                                                                                                          | B769-2        | Bracket . . . . .                                                                                              | X              | 1                  |
| NOTES * For main rotor balance adjustment, refer to R66 MM § 18-14 Part C.<br>** C258-8 shown; see Figure 67-43B. C258-5 & -1 not shown; see Figure 67-43D. |               |                                                                                                                |                |                    |

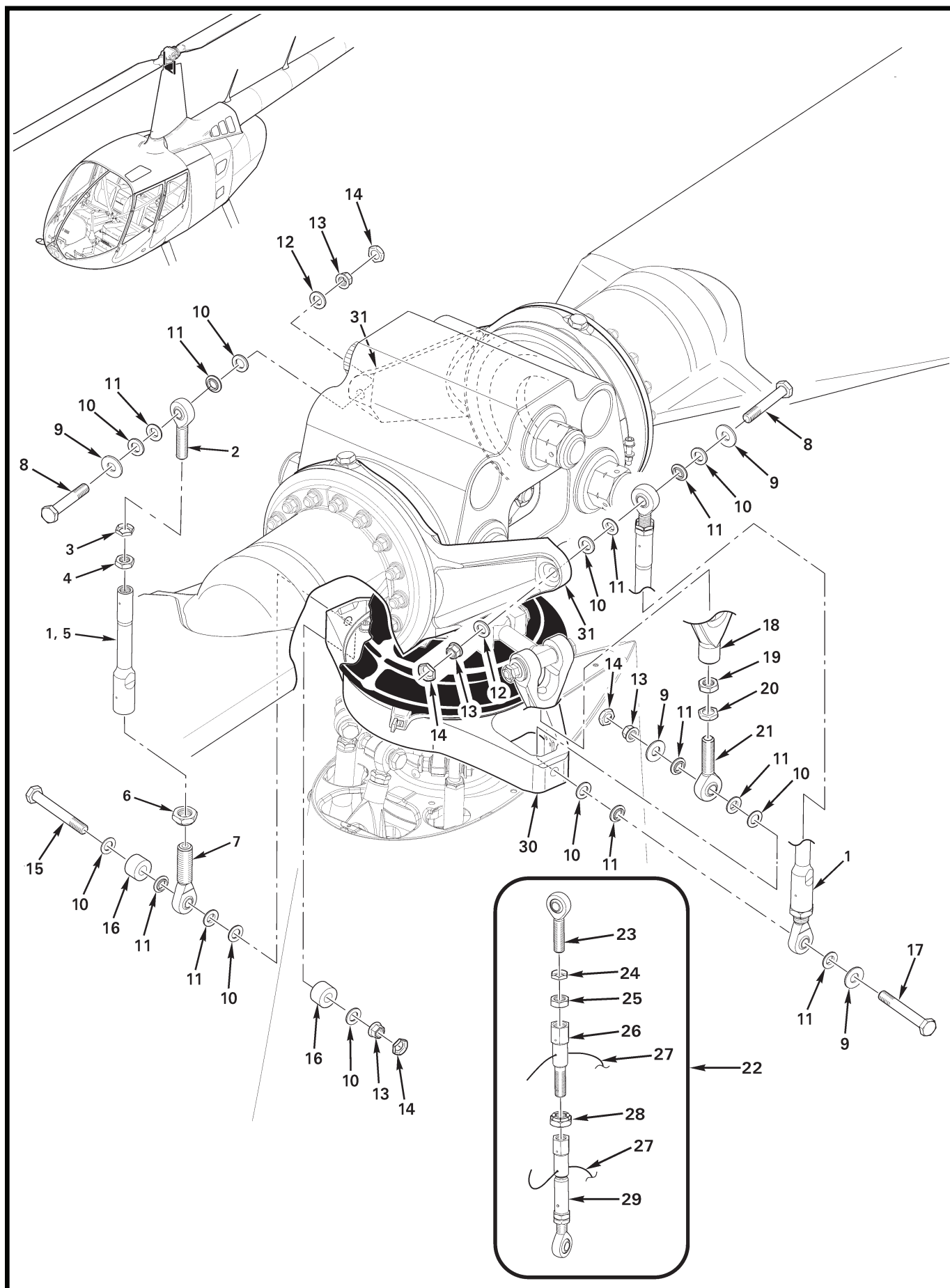
Continues

| FIGURE<br>AND<br>INDEX<br>NUMBER                                               | PART NUMBER   | DESCRIPTION                                                                                                                                                                                                          | PARTS<br>AVAIL | QTY<br>PER<br>ASSY |
|--------------------------------------------------------------------------------|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------|
|                                                                                |               | C017-6 SWASHPLATE INSTALLATION (Cont'd)                                                                                                                                                                              |                |                    |
| 67-41-29                                                                       | C017-6        | Swashplate Assembly (incl items 27, 28, 30, 36, 42, 43, and 44) . . . . .                                                                                                                                            | X              | 1                  |
|                                                                                | C017-6R       | C017-6 Swashplate Assembly (overhaul exchange; requires core deposit) . . . . .                                                                                                                                      | X              | 1                  |
| 30                                                                             | C199-2        | Swashplate Assembly – Upper (ref)                                                                                                                                                                                    |                |                    |
| 31                                                                             | NAS1149F0532P | Washer . . . . .                                                                                                                                                                                                     | X              | 4                  |
| 32                                                                             | C115-1        | Spacer . . . . .                                                                                                                                                                                                     | X              | 8                  |
| 33                                                                             | D173-3*       | Rod End . . . . .                                                                                                                                                                                                    | X              | 1                  |
| 34                                                                             | C141-1        | Washer . . . . .                                                                                                                                                                                                     | X              | 4                  |
| 35                                                                             | NAS6605-17    | Bolt . . . . .                                                                                                                                                                                                       | X              | 4                  |
| 36                                                                             | F198-1        | Swashplate Assembly – Lower (ref)                                                                                                                                                                                    |                |                    |
| 37                                                                             | B330-19       | Stamped Nut . . . . .                                                                                                                                                                                                | X              | 1                  |
| 38                                                                             | AN316-6R      | Nut . . . . .                                                                                                                                                                                                        | X              | 1                  |
| 39                                                                             | C204-2        | Arm – Lower (2.520 inches long) . . . . .                                                                                                                                                                            | X              | 1                  |
| 40                                                                             | C648-2        | Bearing (ref)                                                                                                                                                                                                        |                |                    |
| 41                                                                             | F121-3        | Push-Pull Tube Assembly (ref; see Figure 67-27.)                                                                                                                                                                     |                |                    |
| 42                                                                             | C769-2        | Interrupter . . . . .                                                                                                                                                                                                | X              | 1                  |
| 43                                                                             | MS20470AD3    | Rivet . . . . .                                                                                                                                                                                                      | X              | 2                  |
| 44                                                                             | C647-12       | Bearing Set (life-limited component, see R66 MM § 4-10; not shown) . . . . .                                                                                                                                         | O              | 1                  |
|                                                                                |               | ***                                                                                                                                                                                                                  |                |                    |
| 45                                                                             | KI-6604       | R44-series & R66 C017-5 Swashplate Installation Parts Kit Instructions (Contains parts to install C017-6 swashplate assembly and supersedes R7983 kit. Does not include swashplate or C284 tube assembly.) . . . . . | X              | A/R                |
| NOTES      * Apply B270-21 Protectant to threads before installing in item 21. |               |                                                                                                                                                                                                                      |                |                    |

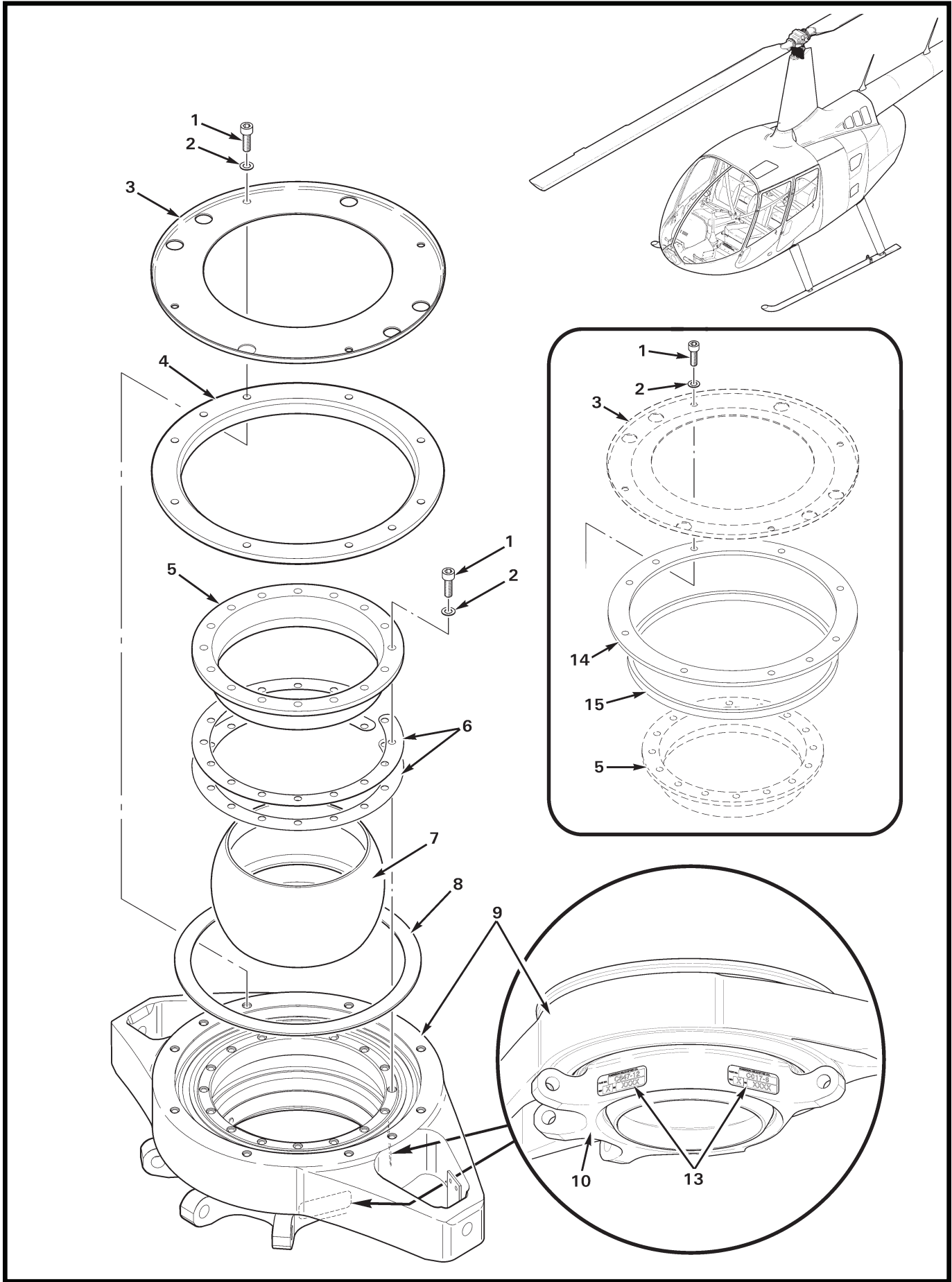
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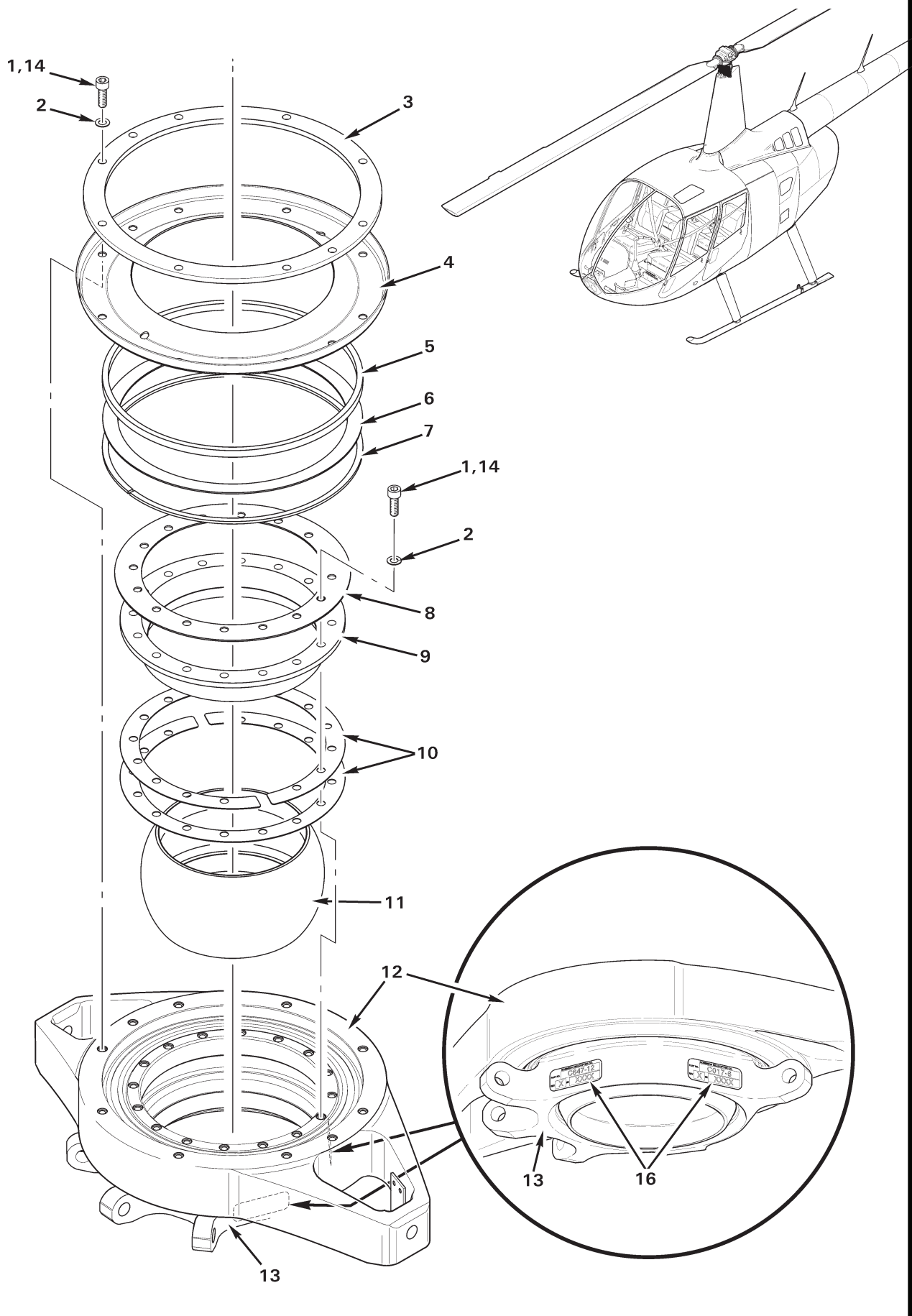
| FIGURE<br>AND<br>INDEX<br>NUMBER                                                                                                                                                                                                 | PART NUMBER   | DESCRIPTION                                                                                | PARTS<br>AVAIL | QTY<br>PER<br>ASSY |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------------------------------------------------------------------------------------|----------------|--------------------|
|                                                                                                                                                                                                                                  |               | C258-8 PITCH LINK INSTALLATION*                                                            |                |                    |
| 67-43B-1                                                                                                                                                                                                                         | C258-8*       | Pitch Link Assembly (incl items 2 thru 7) . . . . .                                        | X              | 2                  |
| 2                                                                                                                                                                                                                                | D173-6**      | Rod end . . . . .                                                                          | X              | 2                  |
| 3                                                                                                                                                                                                                                | 21FKF-813     | Nut (alternate part no. 27FKF-813) . . . . .                                               | X              | 2                  |
| 4                                                                                                                                                                                                                                | C258-6        | Barrel Assembly . . . . .                                                                  | X              | 2                  |
| 5                                                                                                                                                                                                                                | AN316-6R      | Nut . . . . .                                                                              | X              | 2                  |
| 6                                                                                                                                                                                                                                | B330-19       | Stamped Nut . . . . .                                                                      | X              | 2                  |
| 7                                                                                                                                                                                                                                | D173-3**      | Rod end . . . . .                                                                          | X              | 2                  |
| 8                                                                                                                                                                                                                                | NAS6605-23    | Bolt . . . . .                                                                             | X              | 2                  |
| 9                                                                                                                                                                                                                                | C141-27       | Washer . . . . .                                                                           | X              | 2                  |
| 10                                                                                                                                                                                                                               | NAS1149F0532P | Washer . . . . .                                                                           | X              | 9                  |
| 11                                                                                                                                                                                                                               | C115-1        | Spacer . . . . .                                                                           | X              | 10                 |
| 12                                                                                                                                                                                                                               | NAS1149F0563P | Washer . . . . .                                                                           | X              | 2                  |
| 13                                                                                                                                                                                                                               | D210-5        | Nut . . . . .                                                                              | X              | 4                  |
| 14                                                                                                                                                                                                                               | B330-16       | Stamped Nut . . . . .                                                                      | X              | 4                  |
| 15                                                                                                                                                                                                                               | NAS6605-31    | Bolt . . . . .                                                                             | X              | 1                  |
| 16                                                                                                                                                                                                                               | A255-3        | Counterweight . . . . .                                                                    | X              | 2                  |
| 17                                                                                                                                                                                                                               | NAS6605-28    | Bolt . . . . .                                                                             | X              | 1                  |
| 18                                                                                                                                                                                                                               | C141-1        | Washer . . . . .                                                                           | X              | 2                  |
| 19                                                                                                                                                                                                                               | A205-7        | Fork Assembly (ref; includes items 20 thru 22. Install on interrupter-side swashplate ear) |                |                    |
| 20                                                                                                                                                                                                                               | AN316-6R      | Nut . . . . .                                                                              | X              | 1                  |
| 21                                                                                                                                                                                                                               | B330-19       | Stamped Nut . . . . .                                                                      | X              | 1                  |
| 22                                                                                                                                                                                                                               | D173-3***     | Rod end . . . . .                                                                          | X              | 1                  |
| 23                                                                                                                                                                                                                               | C017-6        | Swashplate Assembly (ref)                                                                  |                |                    |
| 24                                                                                                                                                                                                                               | C157-3        | Pitch Horn (ref)                                                                           |                |                    |
| <b>NOTES</b> * Must be installed in pairs; refer to R66 Service Letter SL-54.<br>** Apply A257-2 or A257-22 oil to threads before installing in item 4.<br>*** Apply B270-21 Protectant to threads before installing in item 19. |               |                                                                                            |                |                    |



| FIGURE<br>AND<br>INDEX<br>NUMBER | PART NUMBER                                                                                                                                                                                                                                                                                                                                                                       | DESCRIPTION                                                                                | PARTS<br>AVAIL | QTY<br>PER<br>ASSY |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|----------------|--------------------|
|                                  |                                                                                                                                                                                                                                                                                                                                                                                   | C258-5 & C258-1 PITCH LINK INSTALLATION*                                                   |                |                    |
| 67-43D-1                         | C258-5*                                                                                                                                                                                                                                                                                                                                                                           | Pitch Link Assembly (incl items 2 thru 7) . . . . .                                        | X              | 2                  |
| 2                                | D173-3**                                                                                                                                                                                                                                                                                                                                                                          | Rod End . . . . .                                                                          | X              | 2                  |
| 3                                | B330-19                                                                                                                                                                                                                                                                                                                                                                           | Stamped Nut . . . . .                                                                      | X              | 2                  |
| 4                                | AN316-6R                                                                                                                                                                                                                                                                                                                                                                          | Nut . . . . .                                                                              | X              | 2                  |
| 5                                | C258-6                                                                                                                                                                                                                                                                                                                                                                            | Barrel Assembly . . . . .                                                                  | X              | 2                  |
| 6                                | 21FKF-813                                                                                                                                                                                                                                                                                                                                                                         | Nut (alternate part no. 27FKF-813) . . . . .                                               | X              | 2                  |
| 7                                | D173-4**                                                                                                                                                                                                                                                                                                                                                                          | Rod End . . . . .                                                                          | X              | 2                  |
| 8                                | NAS6605-18                                                                                                                                                                                                                                                                                                                                                                        | Bolt . . . . .                                                                             | X              | 2                  |
| 9                                | C141-1                                                                                                                                                                                                                                                                                                                                                                            | Washer . . . . .                                                                           | X              | 4                  |
| 10                               | NAS1149F0532P                                                                                                                                                                                                                                                                                                                                                                     | Washer . . . . .                                                                           | X              | 9                  |
| 11                               | C115-1                                                                                                                                                                                                                                                                                                                                                                            | Spacer . . . . .                                                                           | X              | 10                 |
| 12                               | NAS1149F0563P                                                                                                                                                                                                                                                                                                                                                                     | Washer . . . . .                                                                           | X              | 2                  |
| 13                               | D210-5                                                                                                                                                                                                                                                                                                                                                                            | Nut . . . . .                                                                              | X              | 4                  |
| 14                               | B330-16                                                                                                                                                                                                                                                                                                                                                                           | Stamped Nut . . . . .                                                                      | X              | 4                  |
| 15                               | NAS6605-31                                                                                                                                                                                                                                                                                                                                                                        | Bolt . . . . .                                                                             | X              | 1                  |
| 16                               | A255-3                                                                                                                                                                                                                                                                                                                                                                            | Counterweight . . . . .                                                                    | X              | 2                  |
| 17                               | NAS6605-28                                                                                                                                                                                                                                                                                                                                                                        | Bolt . . . . .                                                                             | X              | 1                  |
| 18                               | A205-7                                                                                                                                                                                                                                                                                                                                                                            | Fork Assembly (ref; includes items 19 thru 21. Install on interrupter-side swashplate ear) | X              | 1                  |
| 19                               | AN316-6R                                                                                                                                                                                                                                                                                                                                                                          | Nut . . . . .                                                                              | X              | 1                  |
| 20                               | B330-19                                                                                                                                                                                                                                                                                                                                                                           | Stamped Nut . . . . .                                                                      | X              | 1                  |
| 21                               | D173-3***                                                                                                                                                                                                                                                                                                                                                                         | Rod End . . . . .                                                                          | X              | 1                  |
| 22                               | C258-1*                                                                                                                                                                                                                                                                                                                                                                           | Pitch Link Assembly (incl items 23 thru 26, 28 & 29) . . . . .                             | O              | 2                  |
| 23                               | D173-3**                                                                                                                                                                                                                                                                                                                                                                          | Rod End . . . . .                                                                          | X              | 2                  |
| 24                               | B330-19                                                                                                                                                                                                                                                                                                                                                                           | Stamped Nut . . . . .                                                                      | X              | 2                  |
| 25                               | AN316-6R                                                                                                                                                                                                                                                                                                                                                                          | Nut . . . . .                                                                              | X              | 2                  |
| 26                               | C258-2                                                                                                                                                                                                                                                                                                                                                                            | Fitting . . . . .                                                                          | X              | 2                  |
| 27                               | MS20995C32                                                                                                                                                                                                                                                                                                                                                                        | 0.032 in. dia. safety wire . . . . .                                                       | X              | A/R                |
| 28                               | 21FKF-813                                                                                                                                                                                                                                                                                                                                                                         | Nut (alternate part no. 27FKF-813) . . . . .                                               | X              | 2                  |
| 29                               | C258-4                                                                                                                                                                                                                                                                                                                                                                            | Link Assembly . . . . .                                                                    | X              | 2                  |
| 30                               | C017-6                                                                                                                                                                                                                                                                                                                                                                            | Swashplate Assembly (ref)                                                                  |                |                    |
| 31                               | C157-3                                                                                                                                                                                                                                                                                                                                                                            | Pitch Horn (ref)                                                                           |                |                    |
| NOTES                            | <p>* C258-5 &amp; -1 Pitch Link Assemblies may be installed singly or in pairs; refer to R66 Service Letter SL-54. When no longer available, replace both with (2) C258-8 Pitch Link Assemblies per Figure 67-43B.</p> <p>** Apply A257-2 or A257-22 oil to threads before installing in item 5.</p> <p>*** Apply B270-21 Protectant to threads before installing in item 18.</p> |                                                                                            |                |                    |



| FIGURE<br>AND<br>INDEX<br>NUMBER                                                                              | PART NUMBER  | DESCRIPTION                                                                                                             | PARTS<br>AVAIL | QTY<br>PER<br>ASSY |
|---------------------------------------------------------------------------------------------------------------|--------------|-------------------------------------------------------------------------------------------------------------------------|----------------|--------------------|
| <p align="center"><b>SWASHPLATE BALL INSTALLATION<br/>(C017 REVISION AD &amp; SUBSEQUENT)</b></p>             |              |                                                                                                                         |                |                    |
| 67-45-1                                                                                                       | NAS1352N08-8 | Screw (install using item 11 on threads) . . . . .                                                                      | X              | 26                 |
| 2                                                                                                             | NAS620-8L    | Washer . . . . .                                                                                                        | X              | 26                 |
| 3                                                                                                             | C206-2       | Retainer . . . . .                                                                                                      | X              | 1                  |
| 4                                                                                                             | C200-4       | Retainer (supersedes items 14 and 15) . . . . .                                                                         | X              | 1                  |
| 5                                                                                                             | C205-1       | Sleeve Assembly . . . . .                                                                                               | X              | 1                  |
| 6                                                                                                             | C197-1       | Spacer (thickness = 0.016 in.) . . . . .                                                                                | X              | A/R                |
|                                                                                                               | C197-2       | Spacer (thickness = 0.020 in.) . . . . .                                                                                | X              | A/R                |
|                                                                                                               | C197-3       | Spacer (thickness = 0.025 in.) . . . . .                                                                                | X              | A/R                |
|                                                                                                               | C197-4       | Spacer (thickness = 0.032 in.) . . . . .                                                                                | X              | A/R                |
|                                                                                                               | C197-5       | Spacer (thickness = 0.040 in.) . . . . .                                                                                | X              | A/R                |
|                                                                                                               | C197-6       | Spacer (thickness = 0.050 in.) . . . . .                                                                                | X              | A/R                |
| 7                                                                                                             | C201-1       | Ball Assembly . . . . .                                                                                                 | X              | 1                  |
| 8                                                                                                             | C217-1       | Seal (upper) . . . . .                                                                                                  | X              | 1                  |
| 9                                                                                                             | C199-2       | Swashplate Assembly – Upper (Ref)                                                                                       |                |                    |
| 10                                                                                                            | F198-1       | Swashplate Assembly – Lower (Ref)                                                                                       |                |                    |
| 11                                                                                                            | A257-9       | Anti-Seize . . . . .                                                                                                    | X              | A/R                |
| 12                                                                                                            | C647-12      | Bearing Set – Swashplate (Ref; connects items 9 and 10;<br>not shown)                                                   |                |                    |
|                                                                                                               | A257-3       | Grease (pack bearing set with grease per MM § 12-90) . . . . .                                                          | X              | A/R                |
| 13                                                                                                            | —            | Identification Plate* (C017-6 Assembly, and C647-12<br>bearing set; part number, revision letter and serial number) . . | O              | 2                  |
| 14                                                                                                            | C200-3**     | Retainer . . . . .                                                                                                      | X              | 1                  |
| 15                                                                                                            | C219-3**     | Spacer . . . . .                                                                                                        | X              | 1                  |
| <p>NOTES      * Refer to MM § 20-93 for replacement procedures.<br/>             ** Superseded by item 4.</p> |              |                                                                                                                         |                |                    |



| FIGURE<br>AND<br>INDEX<br>NUMBER                                                                                                                   | PART NUMBER  | DESCRIPTION                                                                                                              | PARTS<br>AVAIL | QTY<br>PER<br>ASSY |
|----------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------------------------------------------------------------------------------------------------------------------|----------------|--------------------|
|                                                                                                                                                    |              | <b>SWASHPLATE BALL INSTALLATION<br/>(C017 REVISION AA THRU AC)</b>                                                       |                |                    |
| 67-47-1                                                                                                                                            | NAS1352N08-8 | Screw (install using item 14 on threads) . . . . .                                                                       | X              | 26                 |
| 2                                                                                                                                                  | NAS620-8L    | Washer . . . . .                                                                                                         | X              | 26                 |
| 3                                                                                                                                                  | C200-1 *     | Retainer (Ref, no longer available)                                                                                      |                |                    |
| 4                                                                                                                                                  | C206-1 *     | Retainer (Ref, no longer available)                                                                                      |                |                    |
| 5                                                                                                                                                  | C219-2 *     | Spacer (Ref, no longer available)                                                                                        |                |                    |
| 6                                                                                                                                                  | C218-2 *     | Shield (Ref, no longer available)                                                                                        |                |                    |
| 7                                                                                                                                                  | C219-1 *     | Spacer (Ref, no longer available)                                                                                        |                |                    |
| 8                                                                                                                                                  | C218-1 *     | Shield (Ref, no longer available)                                                                                        |                |                    |
| 9                                                                                                                                                  | C205-1       | Sleeve Assembly . . . . .                                                                                                | X              | 1                  |
| 10                                                                                                                                                 | C197-1       | Spacer (thickness = 0.016 in.) . . . . .                                                                                 | X              | A/R                |
|                                                                                                                                                    | C197-2       | Spacer (thickness = 0.020 in.) . . . . .                                                                                 | X              | A/R                |
|                                                                                                                                                    | C197-3       | Spacer (thickness = 0.025 in.) . . . . .                                                                                 | X              | A/R                |
|                                                                                                                                                    | C197-4       | Spacer (thickness = 0.032 in.) . . . . .                                                                                 | X              | A/R                |
|                                                                                                                                                    | C197-5       | Spacer (thickness = 0.040 in.) . . . . .                                                                                 | X              | A/R                |
|                                                                                                                                                    | C197-6       | Spacer (thickness = 0.050 in.) . . . . .                                                                                 | X              | A/R                |
| 11                                                                                                                                                 | C201-1       | Ball Assembly . . . . .                                                                                                  | X              | 1                  |
| 12                                                                                                                                                 | C199-2       | Swashplate Assembly – Upper (Ref)                                                                                        |                |                    |
| 13                                                                                                                                                 | F198-1       | Swashplate Assembly – Lower (Ref)                                                                                        |                |                    |
| 14                                                                                                                                                 | A257-9       | Anti-Seize . . . . .                                                                                                     | X              | A/R                |
| 15                                                                                                                                                 | C647-12      | Bearing Set – Swashplate (Ref; connects items 12 and 13;<br>not shown)                                                   |                |                    |
| 16                                                                                                                                                 | —            | Identification Plate** (C017-6 Assembly, and C647-12<br>bearing set; part number, revision letter and serial number) . . | O              | 2                  |
| <b>NOTES</b> * To replace parts, upgrade swashplate assembly per R66 Service Bulletin SB-30.<br>** Refer to MM § 20-93 for replacement procedures. |              |                                                                                                                          |                |                    |

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