

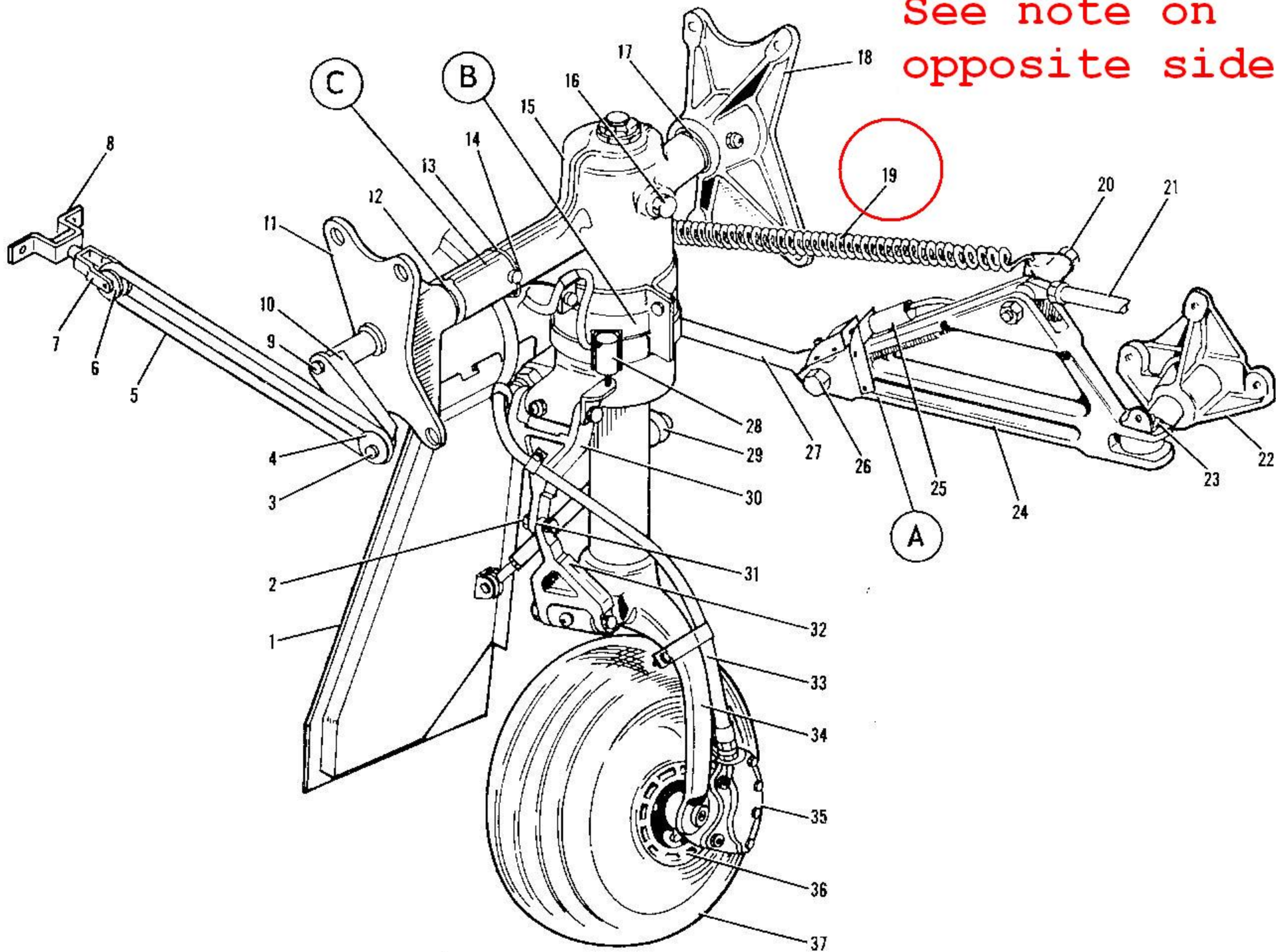
2. Slide the barrel nut (47) into the forward strut arm and insert the attaching bolt (49) with washer through the fitting into the arm.
3. Tighten bolt and check support fitting for freedom of rotation.
4. Secure the aft support fitting (11) to the rear spar web with attaching bolts, washers and nuts.
5. Position main landing gear strut assembly in the wheel well and attach the front support fitting to the main spar web with attaching bolts and washers.
6. Using the access hole behind the rear spar, insert the bungee tube (10) with washer (44) (0.125, P/N 14843-20) through the rear support fitting and into the rear strut arm using enough shim washers (12) between the rear support fitting and the strut arm to diminish end play of the strut housing. (Shim washers are available in sizes 0.035, P/N 19513-10; 0.062, P/N 14843-93; and 0.125, P/N 14843-20.)
7. Position the side brace support bracket (22) on the main spar web and secure with bolts and washers.
 - c. Assemble the upper and lower drag links (24 and 27) with pivot bolt (26).
 - d. Adjust the lower drag link to a dimension of 6.125 inches from center of the middle pivot bolt to center of the rod end bearing. (Refer to Figure 6-10.)
 - e. Install the landing gear door retraction arm on the strut housing and secure with bolt, washers and nut.
 - f. Attach the upper drag link to the support bracket with clevis bolt, washer, nut and cotter pin and the lower link to the strut housing with bolt, washers at each side of bearing and nut.
 - g. Check for clearance between drag link middle pivot bolt head (26) and the main gear capstrip, and binding of the lower drag link and bearing by retracting and extending the gear by hand. If clearance is less than 0.062 of an inch between pivot bolt head and spar capstrip, additional shims (17) must be added between the strut arm and front support bracket.
 - h. Install studs (14) in rear strut arm and safety with minimum 0.041 (Spec. MS20995C41) wire (13).
 - i. Install barrel nut (46) in rear strut arm and insert bolt (9) with washer through bungee tube and tighten.

NOTE

It is suggested that new assist spring (19) be installed if new bungee cords (5) are installed, to insure proper operation of the system.

- j. Check gear strut arm support bearings for freedom of rotation by retracting and extending the gear by hand.
- k. Install attaching bolt and bungee cord in roller bracket (7).
- l. Install roller (6) in bracket and secure with pin, washer and cotter pin.
- m. Install inboard pulley (4) and bungee cord assembly on bungee tool (P/N 752 998).
- n. Secure the outboard bungee cord bracket to its fitting aft of the rear spar.
- o. Place the main gear in the up position and secure the inboard bungee pulley to the bungee arm (10) with washers and bolt.

See note on
opposite side



1. MAIN GEAR DOOR
2. BOLT ASSEMBLY
3. ATTACHMENT BOLT
4. BUNGEE PULLEY
5. BUNGEE CORD
6. BUNGEE PULLEY
7. BRACKET
8. FITTING
9. ATTACHMENT BOLT
10. BUNGEE ARM
11. STRUT SUPPORT FITTING, REAR
12. SHIMS
13. SAFETY WIRE
14. STUD
15. STRUT HOUSING
16. STRUT FILLER VALVE
17. SHIMS

18. STRUT SUPPORT FITTING, FRONT
19. ASSIST SPRING
20. BOLT ASSEMBLY
21. PUSH-PULL CABLE
22. SIDE BRACE SUPPORT BRACKET
23. PIVOT BOLT
24. UPPER DRAG LINK
25. DOWN LIMIT SWITCH, LATE MODEL
26. PIVOT BOLT
27. LOWER DRAG LINK
28. SAFETY SWITCH, LATE MODEL
29. DOOR RETRACTION ROD
30. UPPER TORQUE LINK
31. SHIM WASHERS
32. LOWER TORQUE LINK
33. BRAKE LINE
34. FORK ASSEMBLY

35. BRAKE CYLINDER ASSEMBLY
36. WHEEL
37. TIRE
38. SWITCH ACTUATOR ROD
39. SAFETY SWITCH, EARLY MODEL
40. JAM NUT
41. ACTUATOR ARM
42. DOWN LOCK SWITCH, EARLY MODEL
43. SUPPORT BEARING, REAR
44. SHIM
45. SNAP RINGS
46. BARREL NUT
47. BARREL NUT
48. SUPPORT BEARING, FRONT
49. ATTACHMENT BOLT