



Figure 5 - Stations Diagram

(3) Pass the rear rope or cable around the fuselage at the trailing edge of the wing, being sure to place pads between the cable and the fuselage. This sling should be at a bulkhead.

(4) The engine may be hoisted out by putting a sling around the propeller shaft or nose section and the starter. Do not attempt to lift the airplane this way.

c. Towing.

(1) The airplane may be towed by fastening a rope around the nose wheel shock strut just above the drag strut which runs from the support truss back to a fitting on the belly of the plane.

(2) No provision is made for towing the plane backward.

d. Leveling.

(1) The ship may be leveled longitudinally on either side of the fuselage by dropping a plumb bob from the rear bolt of the top group of three bolts which fasten the engine mount fittings to the top longerons. The rear of the fuselage can then be raised or lowered until the plumb line coincides with a reference line on the side of the fuselage aft of and in line with the lower bolt group.

(2) No provision is made for leveling laterally.

e. Filling Fuel and Oil Tanks.

(1) The gas tank filler cap is located on the right side of the ship just ahead of the windshield. The tank has a capacity of 20 gallons as is marked near the cap along with the octane rating required.

(2) The oil is carried in the engine sump and may be checked by raising the cowl on the right-hand side of the engine. Just behind the baffle behind the right rear cylinder is located the dip stick. After a few turns to the left to unscrew it, the dip stick may be removed and the amount of oil in the sump determined. The oil filler cap is located on the top and slightly to the right of the center of the crankcase. Always check oil level after adding oil. Maximum oil is 5 quarts and minimum safe is 4 quarts.

f. Filling Servo Sump Tank. - Fill the servo sump tank with Specification No. 3580 fluid to the level of the upper fitting. Be sure that the cylinders and lines are all full of oil; otherwise the level will drop to an unsafe level when the engine is started. After filling, always run engine or connect to test stand to accomplish same result, to be sure that level does not drop. If level drops, add more fluid.