PART IV

EMERGENCIES

60. Undercarriage emergency operation

If after selecting DOWN the red indicator lights do not come on, and the engine pump will not lower the undercarriage, the handpump or emergency release pedals and assister valve must be used as follows:

(i) Leave the undercarriage selector lever DOWN and work the handpump until resistance is felt and the green lights come on. At least 120 strokes will be required. If the red lights do not come on after the first 12 strokes of the handpump the following procedure should be followed.

(ii) Check that air bottle pressure is at least 200 lb./sq. in.

   NOTE.—If the air pressure is less than 200 lb./sq.in. the aircraft should be landed with undercarriage up.

(iii) Select undercarriage DOWN and then press the emergency release pedals. It is not necessary to press both pedals at the same time, but a firm push must be applied to move them 3 to 4 inches forward. The corresponding red light should then come on.

   NOTE.—It is important when using the pedals to fly straight and level. Applying "g" will merely make it harder to release the pedals.

After using the pedals allow a few seconds for the wheels to drop and then hold open the pneumatic assister valve. Yaw the aircraft once each way whilst holding the valve open. The green lights may not come on until after the valve has been released.

If they still do not come on after release, the aircraft should be yawed and the assister used, as before, several times.

(iv) The tailwheel lowers automatically on failure of the hydraulic system and locks on touching down.

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