

PURPOSE OF FLIGHT: TECHNICAL OFFICER'S REPORT: OFM/HOP/ES/VA/D 7 Night circuits and landings. NATURE OF ACCIDENT: After take-off pilot climbed to COURT OF INQUIRY OR INVESTIGATING OFFICER'S REPORT: about 500 'above the ground. Engine FINDINGS: SUMMARY No. commenced to miss badly, R.P.M.'s The exhaust rocker box of Number 2 cylinder was dropped to about 1100. Carried out broken off, leaving that exhaust valve permanently forced landing procedure. While closed, resulting in great loss of power. Part) loosing altitude pilot worked throttle ly burned mixture would then be forced back in gently, hoping engine would pick up. to intake manifold, further reducing the engine At 200 ' the engine quit antirely and efficiency. Under these circumstances a sudden proceeded to do a forced landing. opening of the throttle would further overload ) the engine, enriching the mixture too much and fouling the spark plugs, causing complete engine failure. As such cylinder failures are relativ. CLASSIFICATION: ly common, the cause is considered to be the de 13. Engine failure. sign fo that part of the cylinder Head. 15. Farced Land SECONDARY OR CONTRIBUTORY FACTORS: ACTION TAKEN: