

Section 8.3 of the SAE Technical Board rules provides that: "All technical reports, use by anyone engaged in industry or trade is entirely voluntary. There is no agreement to adhere to any SAE standard or recommended practice, and no commitment to conform to or be guided by any technical report. In formulating and approving technical reports, the Board and its Committees will not investigate or consider patents which may apply to the subject matter. Prospective users of the report are responsible for protecting themselves against liability for infringement of patents."

Society of Automotive Engineers, Inc.
400 COMMONWEALTH DRIVE, WARRENDALE, PA. 15096

AEROSPACE INFORMATION REPORT

AIR 82

TACHOMETER GENERATOR ENVELOPES

Issued 2-15-62
Revised

1. **PURPOSE:** This AIR provides installation clearance envelopes for tachometer generators. The envelope drawings are intended for use by engine and instrument manufacturers to provide geometric compatibility between the subject instruments and the engine.
2. **SCOPE:** This AIR provides maximum dimensional envelopes for 4-Pole and 2-Pole tachometer generators employing type XV-A and XV-B drives respectively at the engine accessory pad.
3. **GENERAL REQUIREMENTS:**
 - 3.1 The clearance envelope for the 4-Pole generator (Type XV-A Drive) is applicable to instruments used on reciprocating type engines.
 - 3.2 The clearance envelope for the 2-Pole generators (Type XV-B Drive) is applicable to instruments used on turbine type engines.
 - 3.3 It is recommended that the engine manufacturer provide space at the engine accessory pad in accordance with the appropriate clearance envelope.
 - 3.4 It is recommended that the instrument manufacturer develop the instrument to be contained within the appropriate clearance envelope.

Prepared by SAE Committee A-4, Aircraft Instruments

(TYPE XV-A DRIVE)

