

AEROSPACE INFORMATION REPORT

SAE AIR853

REV.
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Superseding AIR853

Disconnect Systems, Accessory Drive Shaft

FOREWORD

Changes in this revision are format/editorial only.

1. SCOPE:

This document defines the functional requirements of basic types of disconnect devices used in airborne accessory installations.

1.1 Purpose:

The purpose of this report is to provide to accessory manufacturers general design concepts for accessory drive shaft disconnect devices.

2. REFERENCES:

There are no referenced publications specified herein.

3. GENERAL:

Disconnect devices in present military and commercial service were designed to meet requirements of each engine accessory installation. It is not considered feasible to establish a standard for such systems.

3.1 Basic types of disconnect devices used in airborne accessory installations:

- a. Jaw clutch
- b. Extractable shaft, mechanically (solenoid operated) or thermally energized
- c. Spring clutch
- d. Severed section

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