

Chapter 27

SOLENOID VALVE, TYPE SOL 18

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Introduction

1. Some engines fitted to fighter aircraft incorporate a fuel 'dipping' unit to assist in reducing the possibility of compressor surge when the aircraft guns are fired. The unit works in conjunction with an air 'dipping' unit and their joint function is to reduce, automatically, the fuel flow and to

increase the air flow through the compressor, so that the working line of the compressor is moved away from the surge line when the gun firing button is pressed.

2. This solenoid controls the fuel 'dipping' system which bleeds fuel from the burner pilot manifold lines.

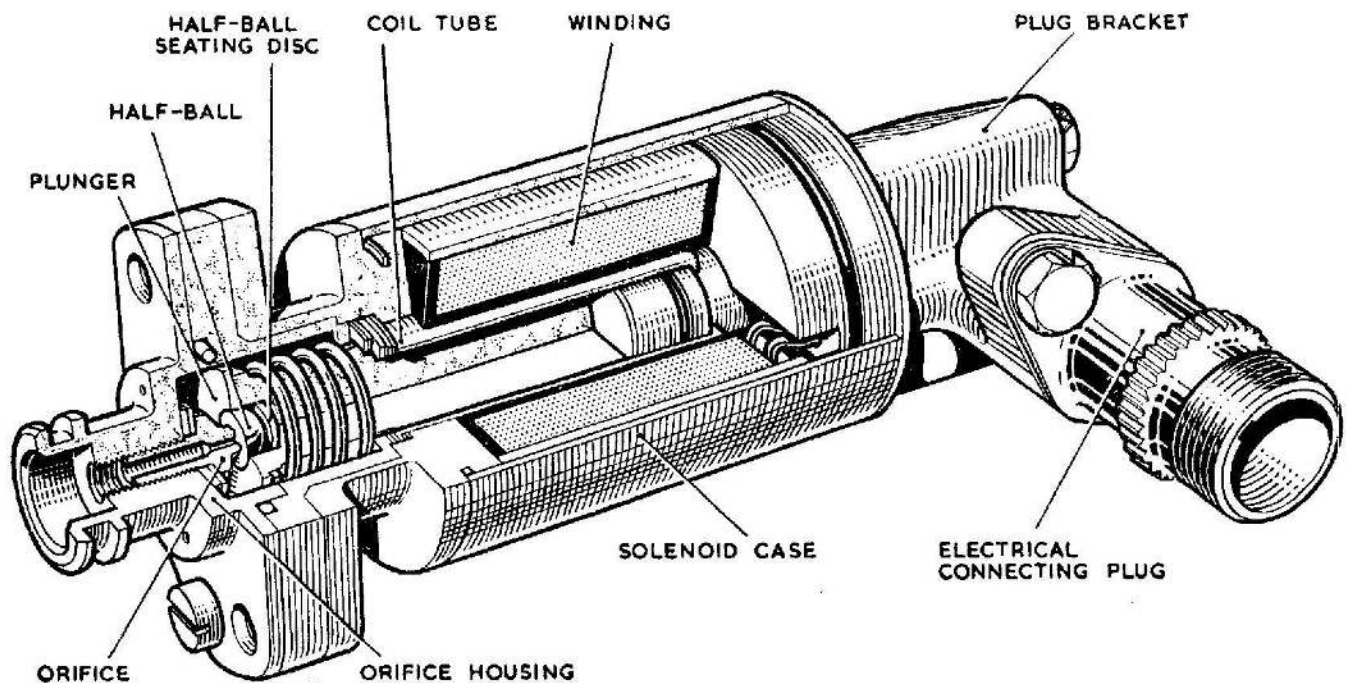


Fig. 1. Solenoid valve, Type SOL 18—part sectional view

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