

Chapter 28

SOLENOID VALVE, TYPE SOL 19

LIST OF CONTENTS

	Para.		Para.
Introduction	1	Installation	5
Description	3	Servicing	6
Operation	4		

LIST OF ILLUSTRATIONS

	Fig.
Solenoid valve, Type SOL 19—part sectional view ...	1

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. Both units are controlled electrically by means of a solenoid. Solenoid Type SOL 19 controls the air 'dipping' system which opens the bleed valves on the compressor and gives a greater flow of air through the compressor than through the turbine.

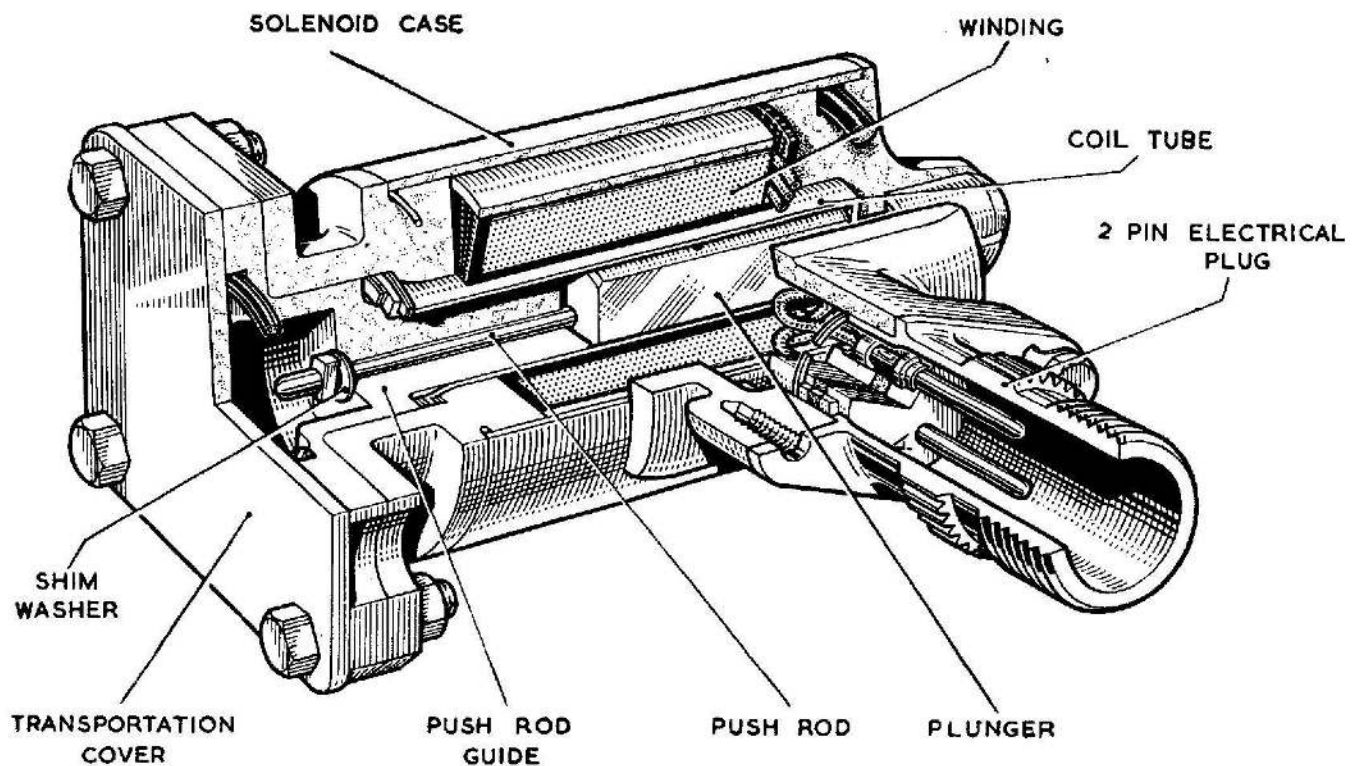


Fig. 1. Solenoid valve, Type SOL 19—part sectional view

This file was downloaded
from the RTFM Library.
Link: www.scottbouch.com/rtfm

Please see site for usage terms,
and more aircraft documents.

