The SMECMA ATAR 9C

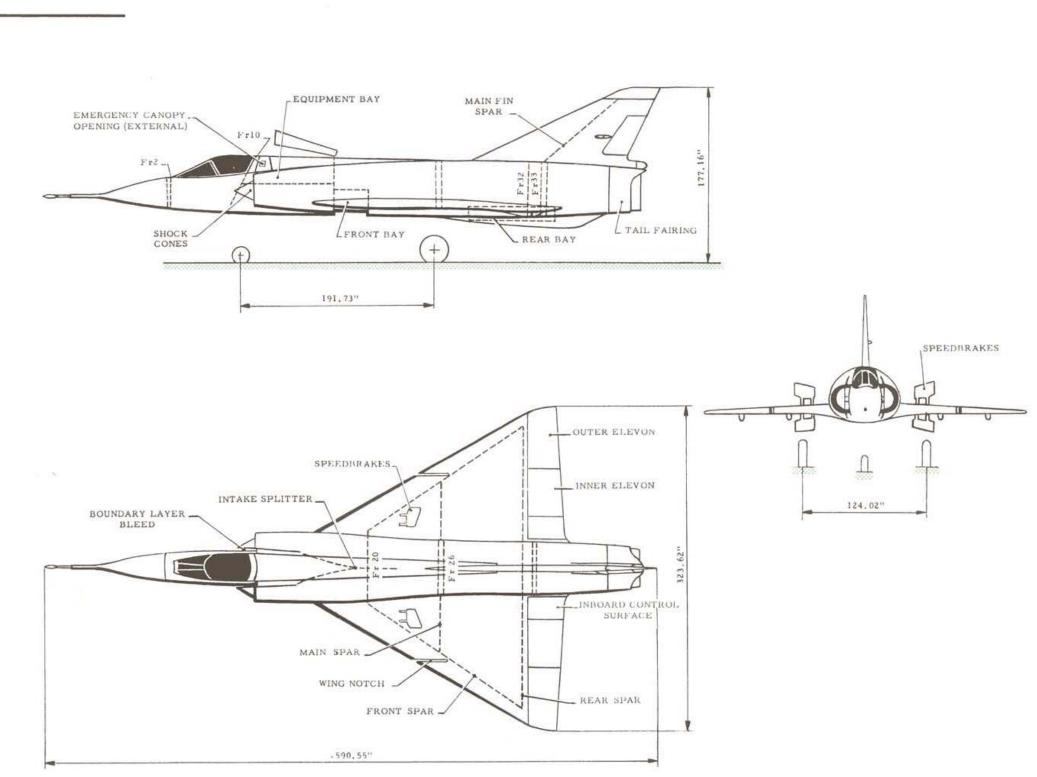
The Mirage III is powered by a SNECMA ATAR 9C with a full-range afterburner.

Engine dry weight is 3,090 lb.

A nine-stage axial-flow compressor with a compression ratio of 5.5:1 feeds compressed air to an annular combustion chamber with two ignition pre-chambers (each includes a starting fuel nozzle and glow plug), 20 dual-flow nozzles with burners, and an afterburner ignition nozzle.

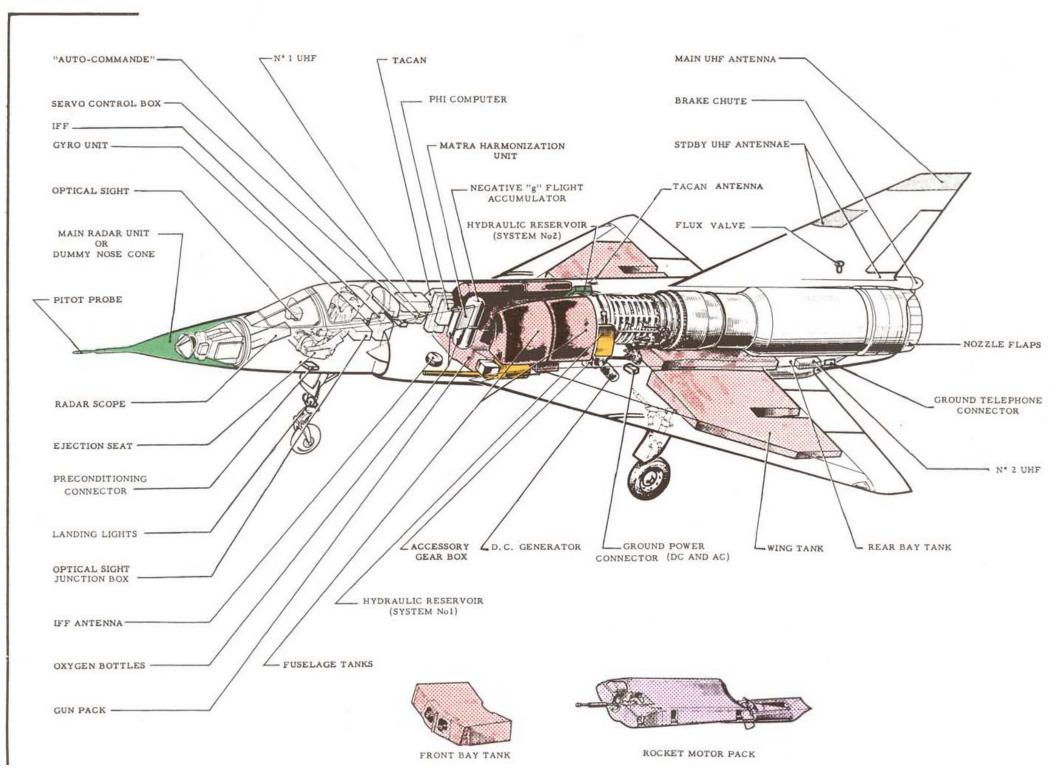
Hot gasses from the combustion chamber drive a two-stage turbine.

Gear trains to an accessory gear box provide drives for generator, alternator, pumps, etc.

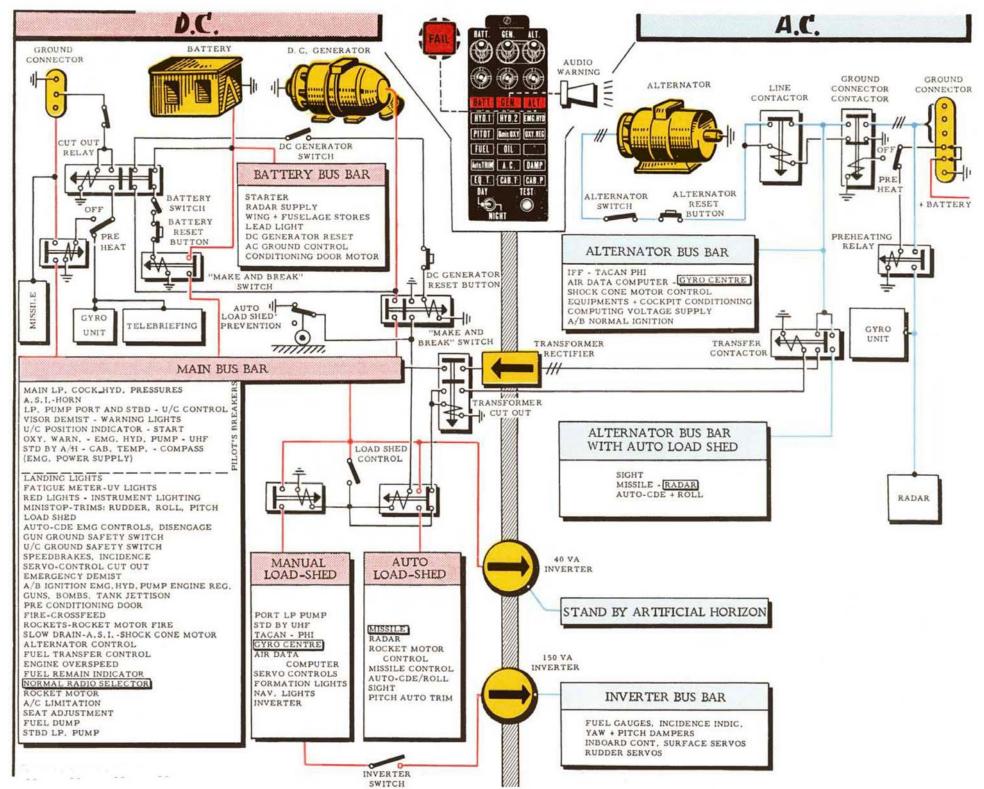


EQUIPMENT DISPLAY

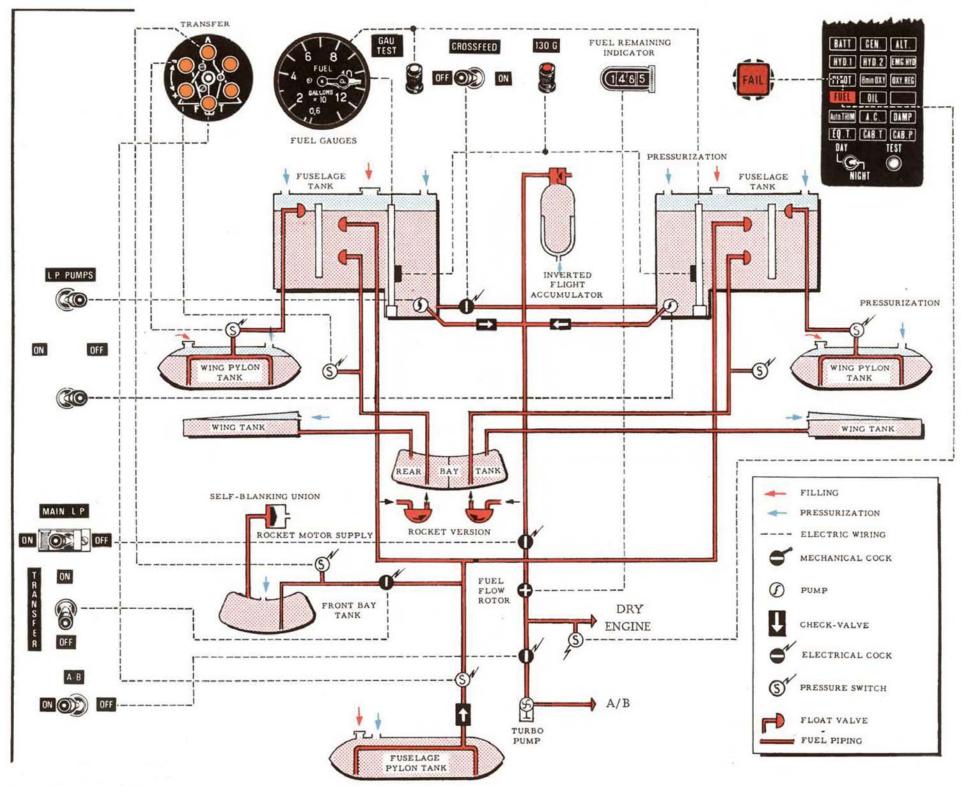
MIRAGE III O



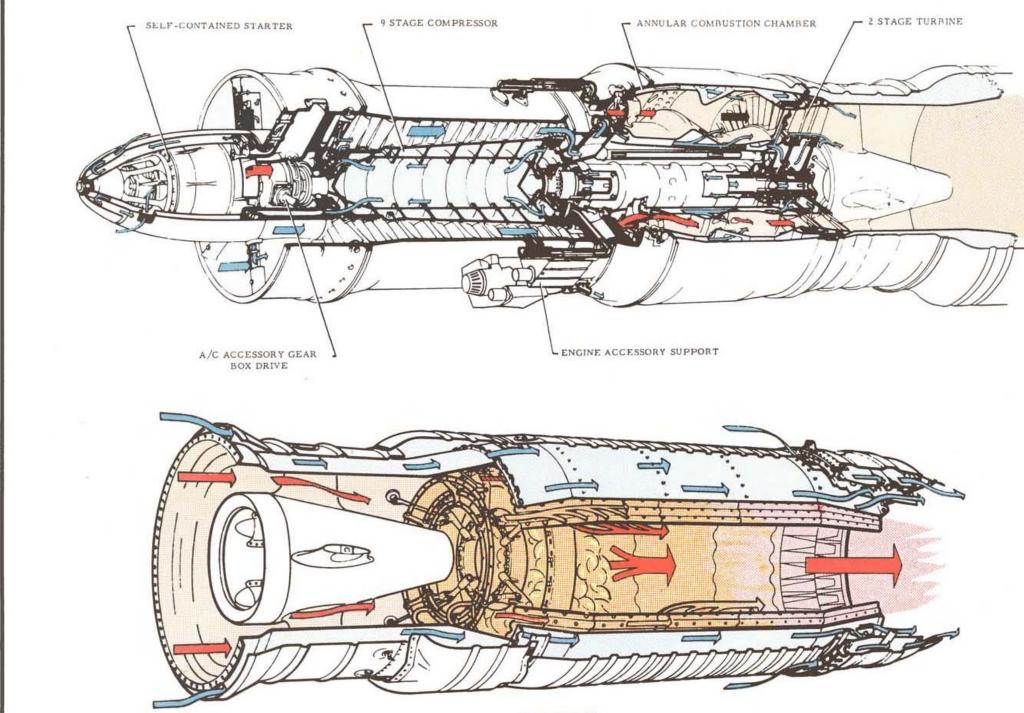
ELECTRICAL SYSTEM



FUEL SYSTEM

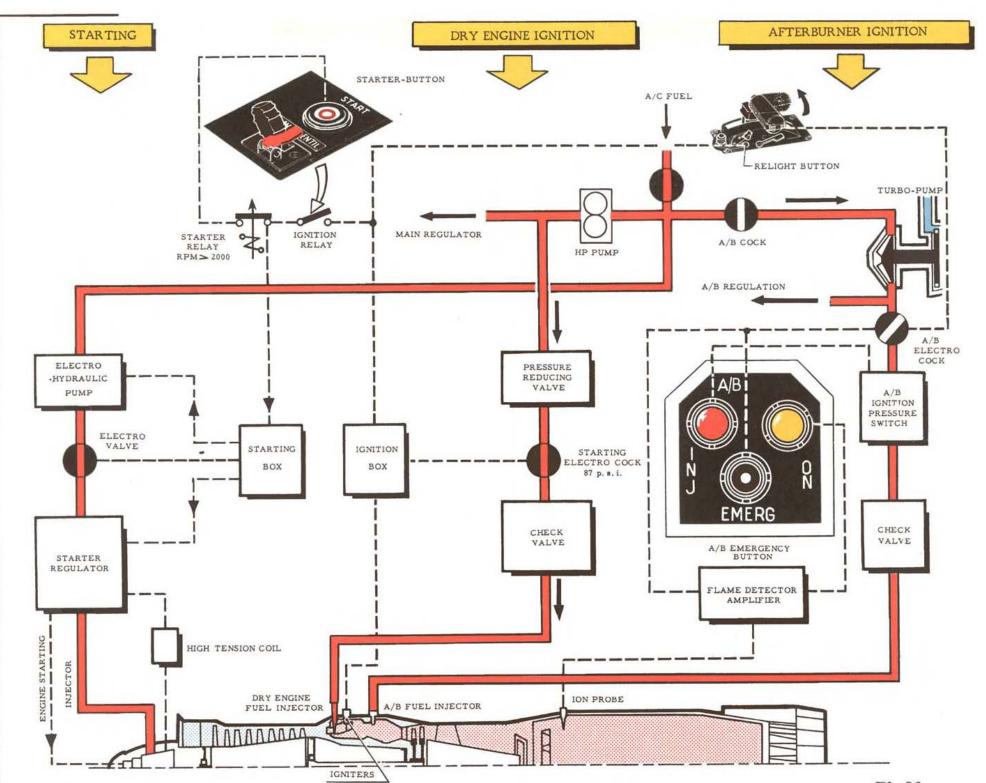


TURBOJET ENGINE

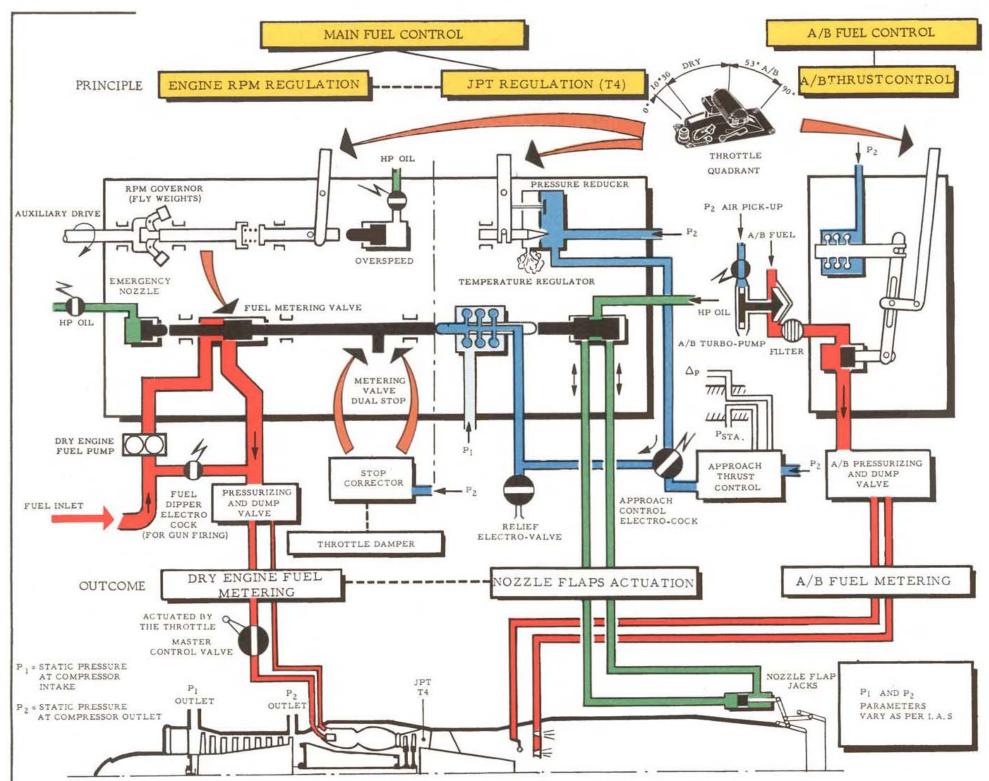


AFTERBURNER

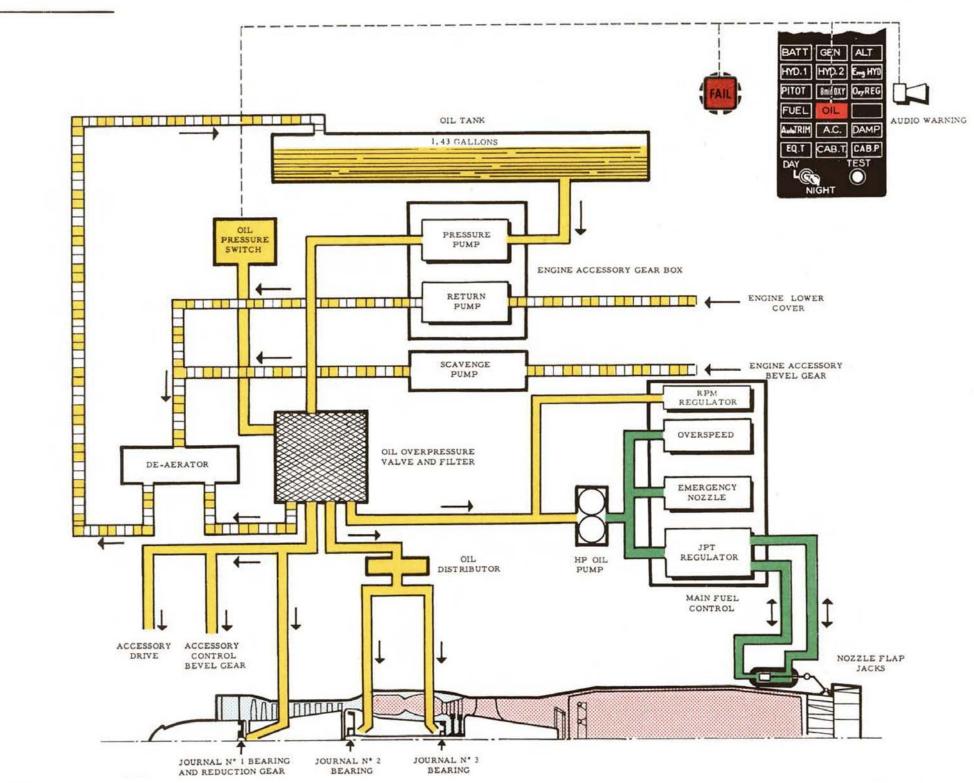
STARTING SYSTEM



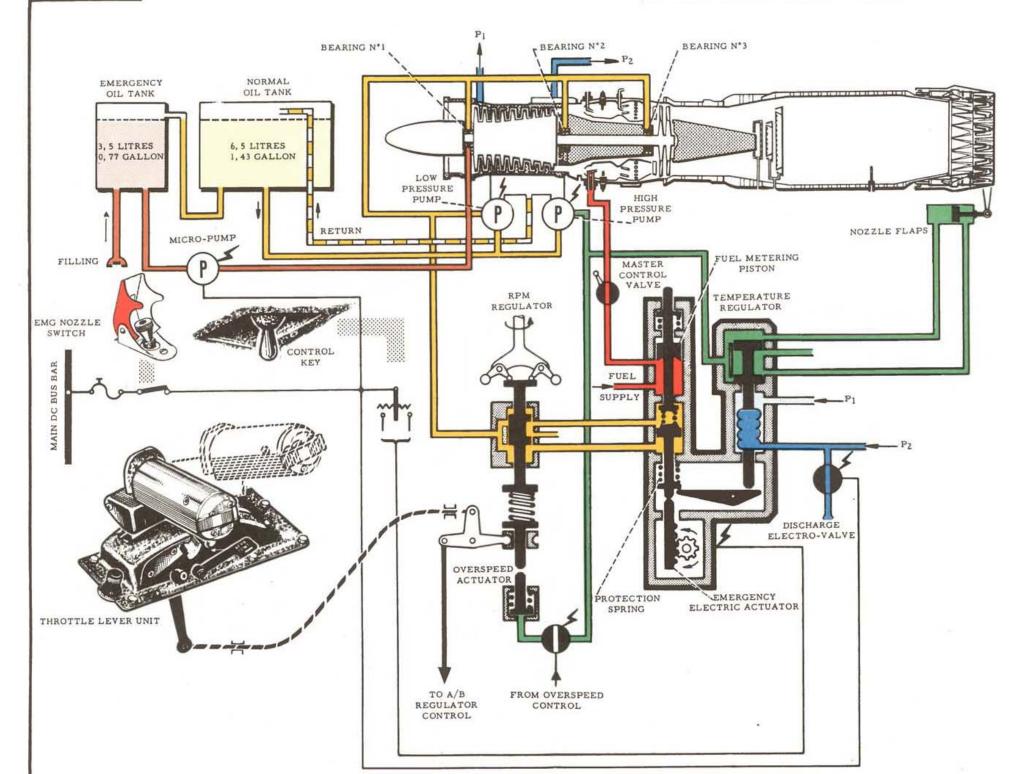
FUEL CONTROL SYSTEM



OIL SYSTEM PRINCIPLE

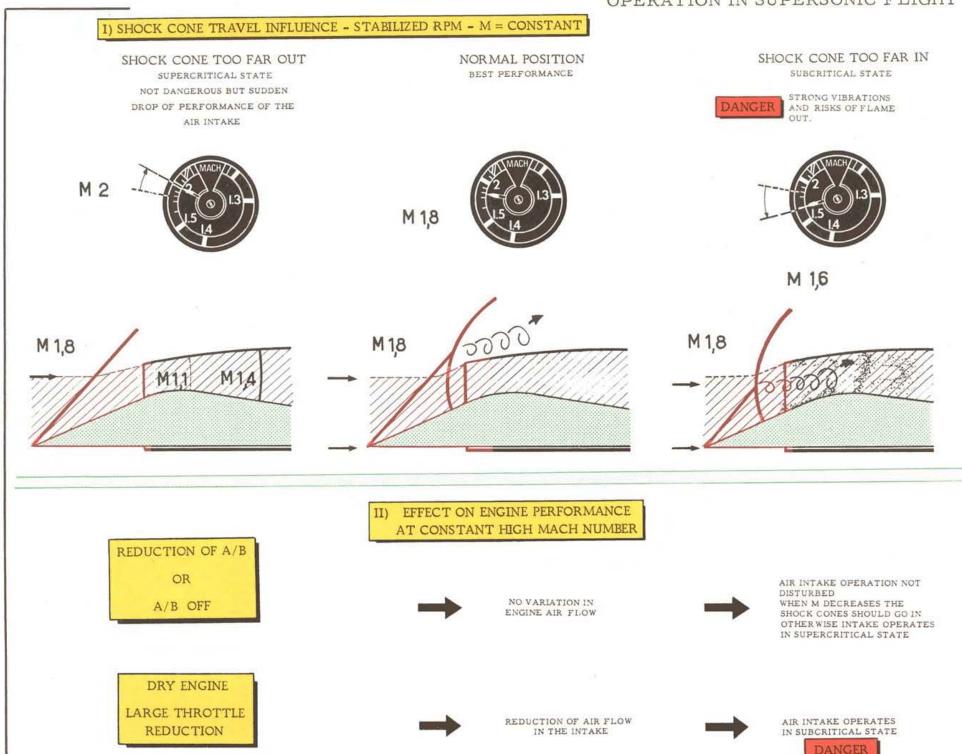


PRINCIPLE OF EMERGENCY NOZZLE CONTROL (AFTER MODS Z420 - Z449)



AIR INTAKE AND SHOCK CONE

OPERATION IN SUPERSONIC FLIGHT



MIRAGE III O

ROCKET MOTOR PACK SEPR 844

