

## SECTION 2

## 2.1 REFERENCE DATA AND LIMITATIONS

**AERO ENGINE SCHOOL**

2.1 REFERENCE DATA AND LIMITATIONS

Fuel

<u>Specification</u>	D.ENG.R.D. 2494 (AVTUR) 50
	D.ENG.R.D. 2482 (AVTUR)
	D.ENG.R.D. 2486 (AVTAG)
Minimum Pump Inlet Pressure	5 p.s.i.
Low Pressure Warning	4½ p.s.i.
Maximum Pump Inlet Pressure	40 p.s.i.

Oil

<u>Specification</u>	D.ENG.R.D. 2487 (OX.38) or
	D.ENG.R.D. 2493 ( )
Consumption	1½ pts/hr. Maximum
Pressure normal at <sup>92%</sup> <del>98%</del> R.P.M. and above	55-60 p.s.i.
Pressure minimum at Max. continuous R.P.M.	50 p.s.i.
Inlet temperature Max.	100°C.
Inlet temperature for starting minimum	-26°C.
Inlet temperature for opening up minimum	-26°C.

R.P.M. (L.P. Rotor) Control Settings

Maximum	6680 <del>6675</del> + 35 R.P.M. (100 to <del>100.5%</del> 101%) 10 Min. Limit
Max Continuous	6410 <del>6390</del> ± 35 R.P.M. (96 to 97%)
Ground Idling (Alternator on load)	1950 (29.5%) <del>2100</del> <del>(30%)</del>

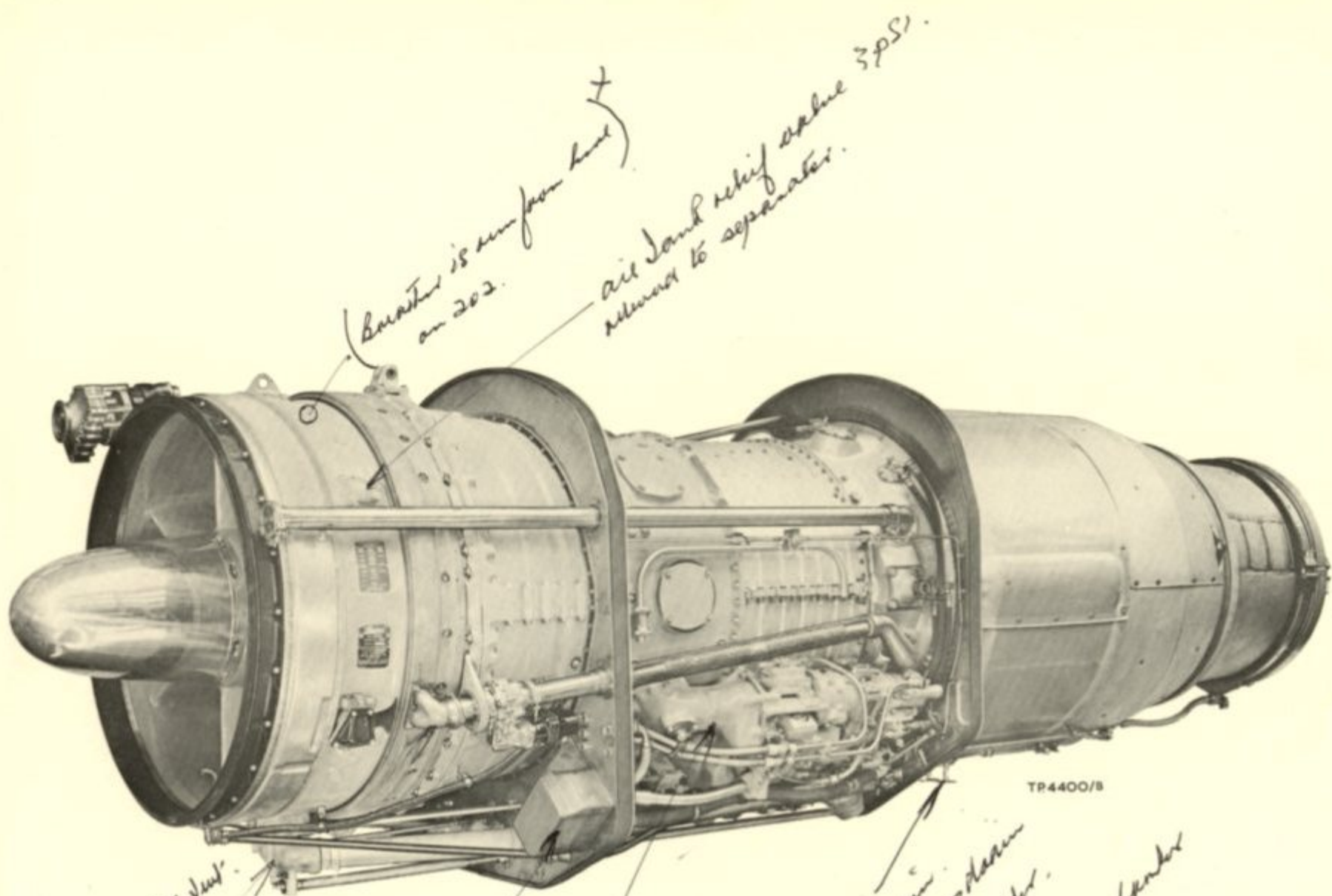
J.P.T. LIMITER SETTING.

Take off and operational necessity	665°C <del>660°C</del> (10 Min)
Max. Continuous	600°C.
H.P. GOVERNOR MAX R.P.M. (RIG SET)	8450
Ground Idling	600°C.
Max During Starting	600°C. 700

Engine Rotation Anti clockwise from rear.

Starting. Air Starter

Rotax	Low Pressure air.
Max Speed Auto Switch off at	10,000 R.P.M.
Inlet pressure	30-35 p.s.i.
Air flow	.6 lb/sec.
Gear ratio	5.55 : 1.



(Barometer is run from here)  
 on 202.  
 air tank relief valve 3 PSI.  
 return to separator.

+ air separator vent.

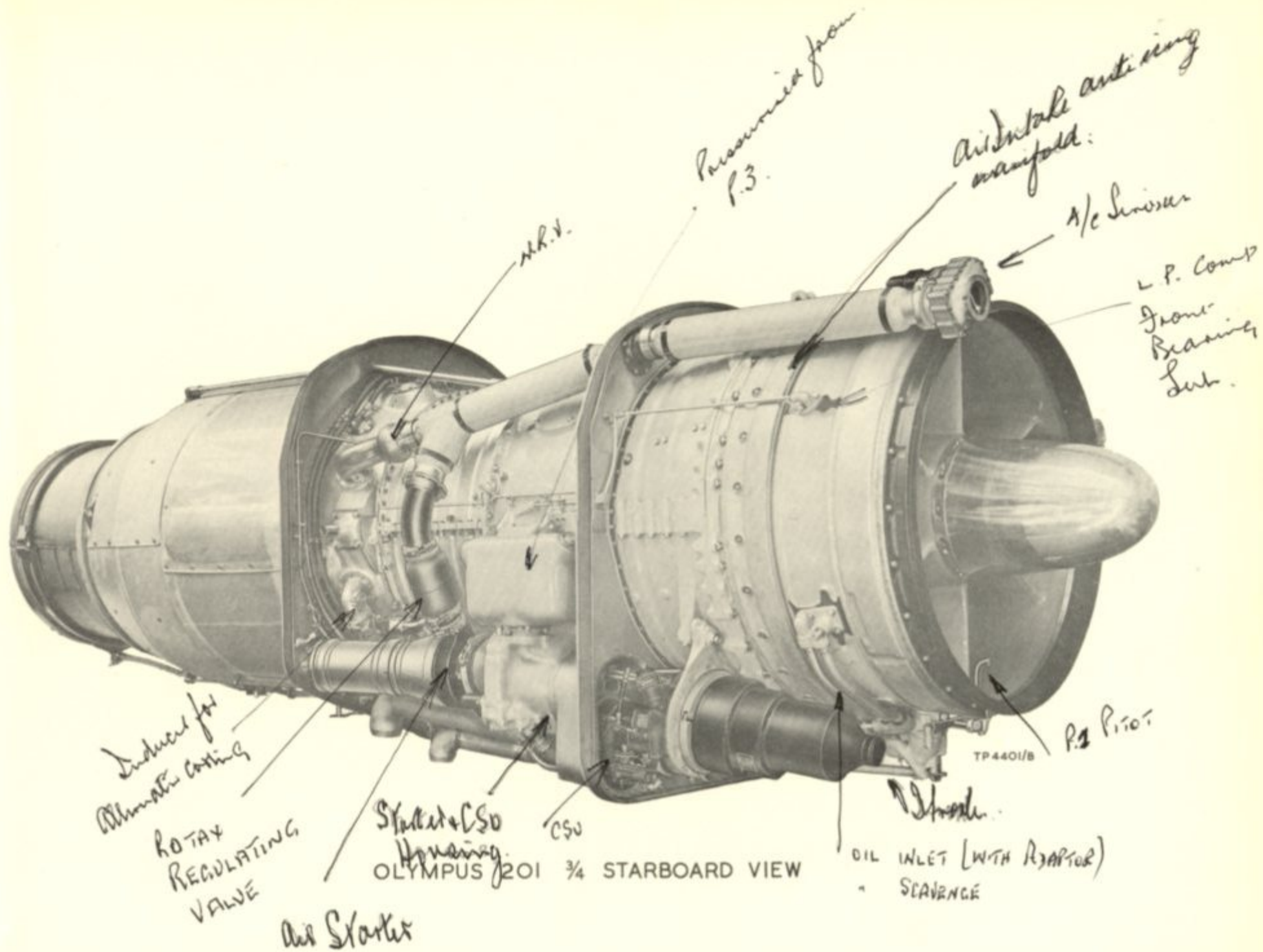
air 1/5 anti icing  
 vented back to 1/5.

OLYMPUS 201 3/4 PORT VIEW

Inlet flow meter  
 1.8 - 4.8  
 inches per  
 fuel pump

(1) Drain  
 fuel pump drain  
 CSU drain  
 (2) Bombardier chamber  
 by skin

TP4400/B



OLYMPUS 201 3/4 STARBOARD VIEW

Inducer for  
alternate cooling  
ROTARY  
REGULATING  
VALVE

Air Starter

Stator CSU  
Housing  
CSU

Passmanis from  
P.3.

Air intake anti-sing  
manifold:

1/2 Inverter

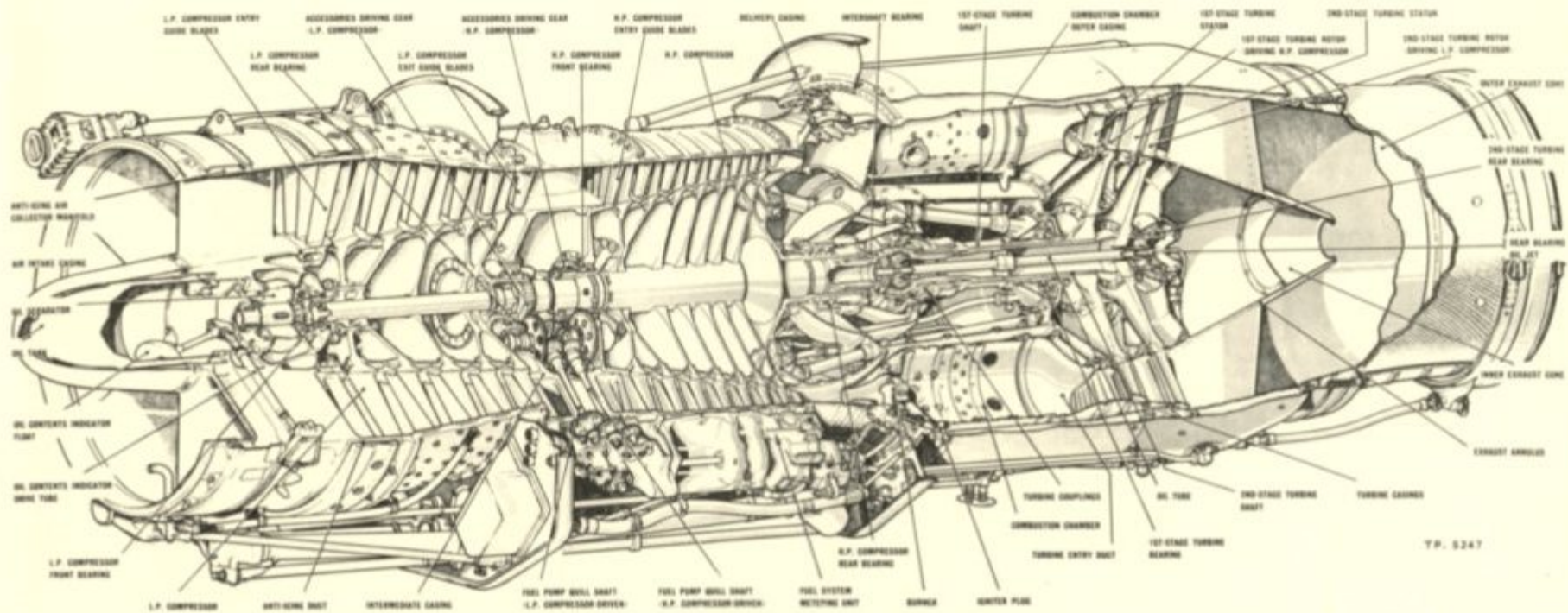
L.P. Comp  
Iron  
Bearing  
Sub.

P.3 Pilot

TP4401/B

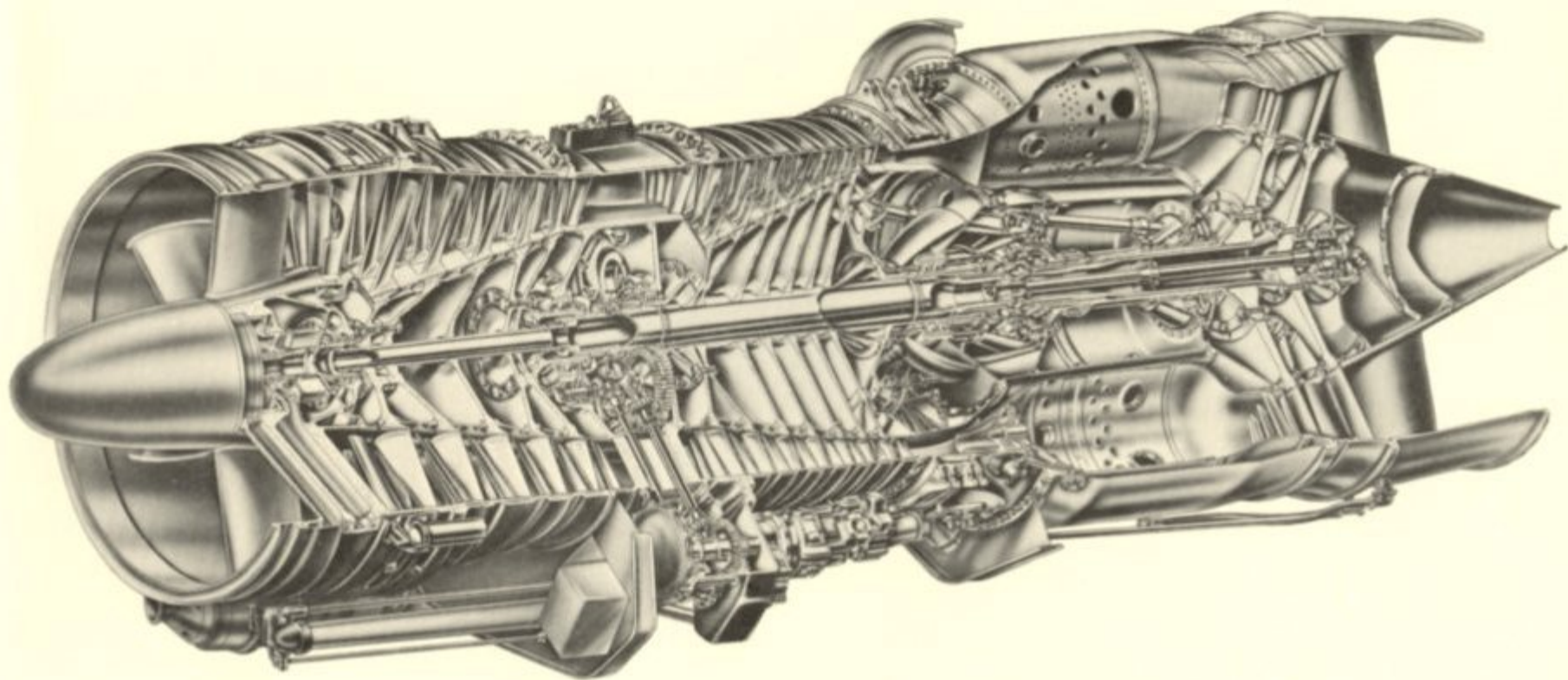
Shroud:

OIL INLET (WITH RAPTOR)  
SCAVENGE



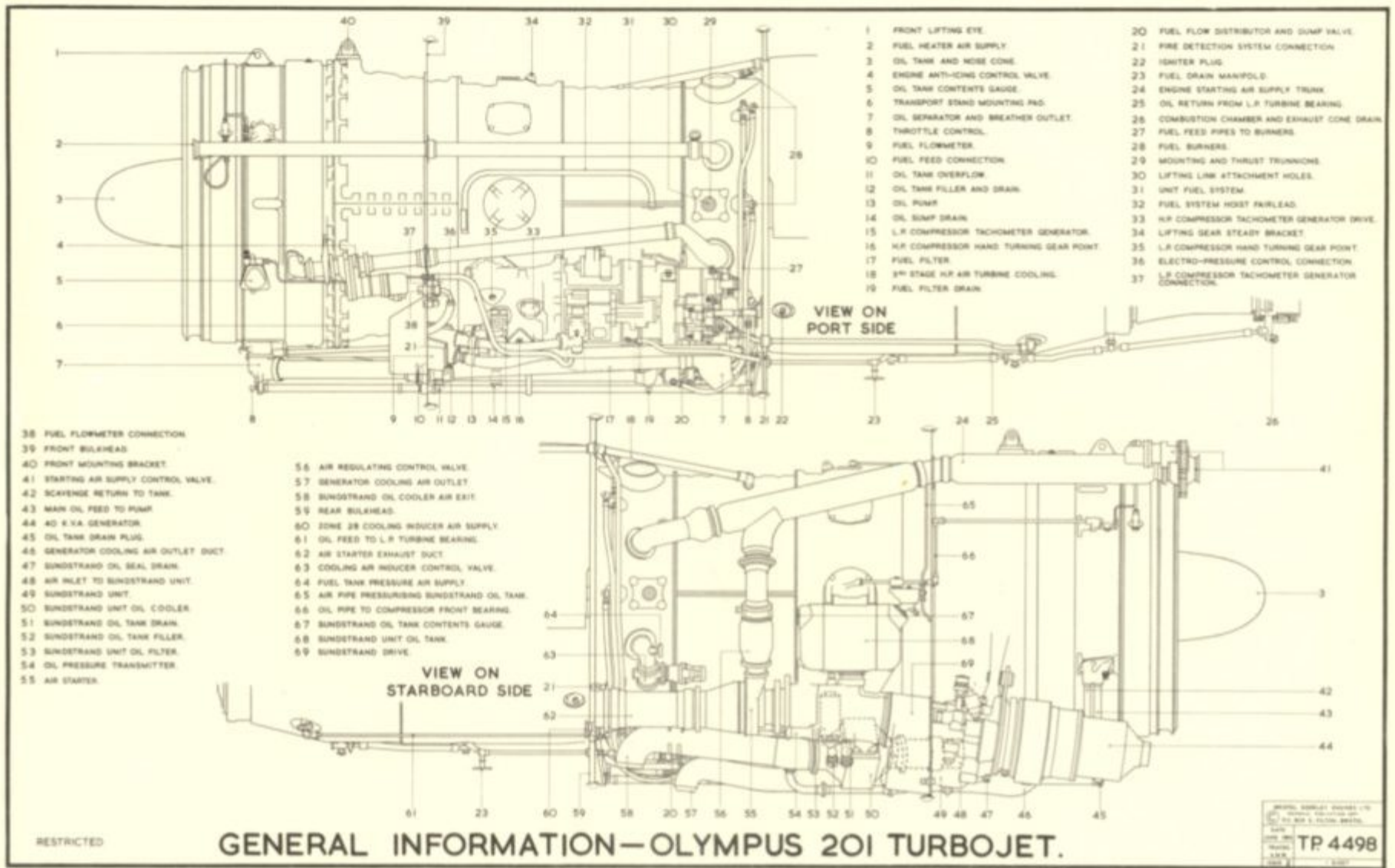
TP. 5247

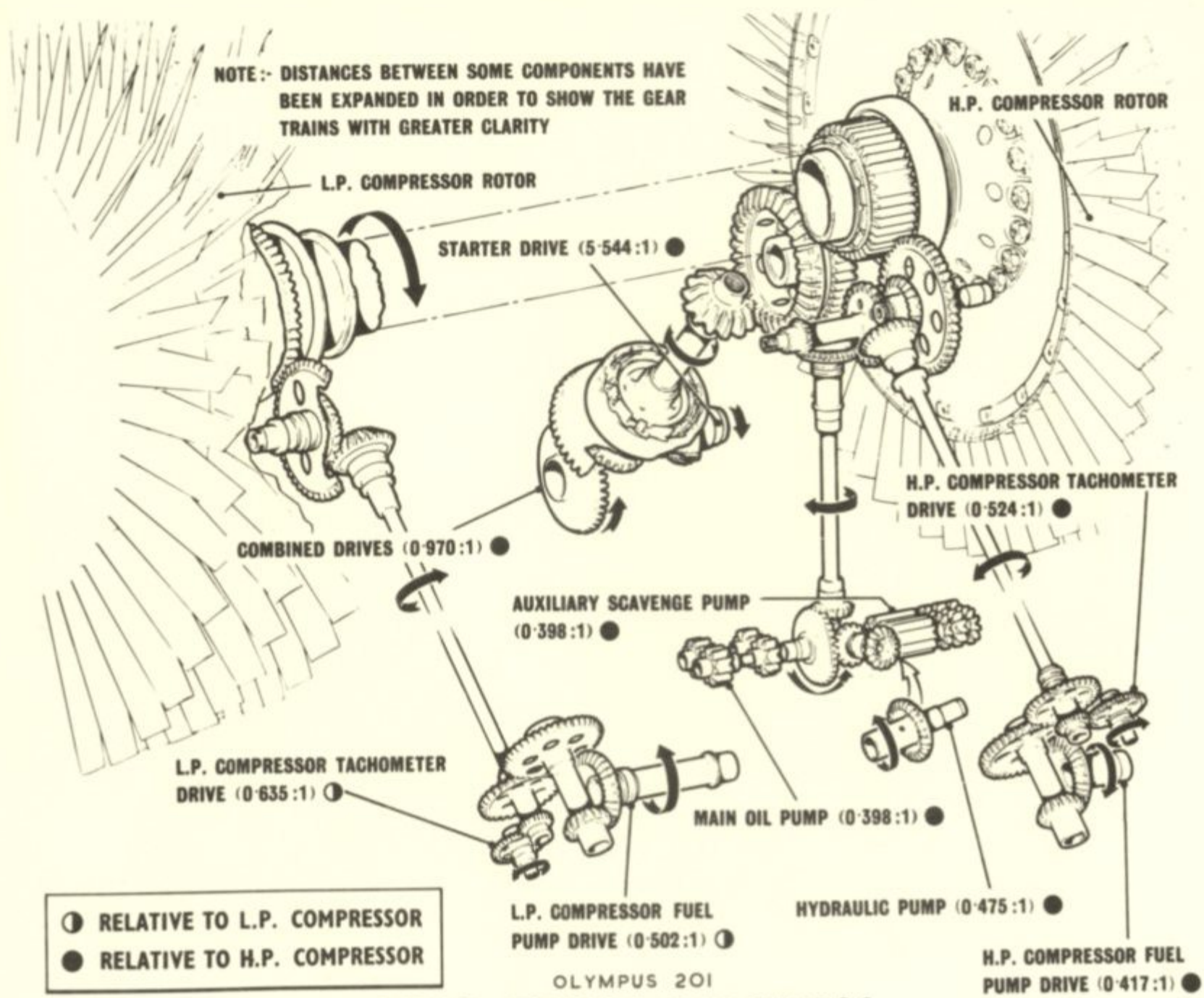
OLYMPUS 201 TURBOJET



BRISTOL OLYMPUS 200 TURBOJET

TP. 3982  
ISSUE 1





OLYMPUS 201

# GEAR TRAIN DIAGRAM

This file was downloaded  
from the RTFM Library.

Link: [www.scottbouch.com/rtfm](http://www.scottbouch.com/rtfm)

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

