

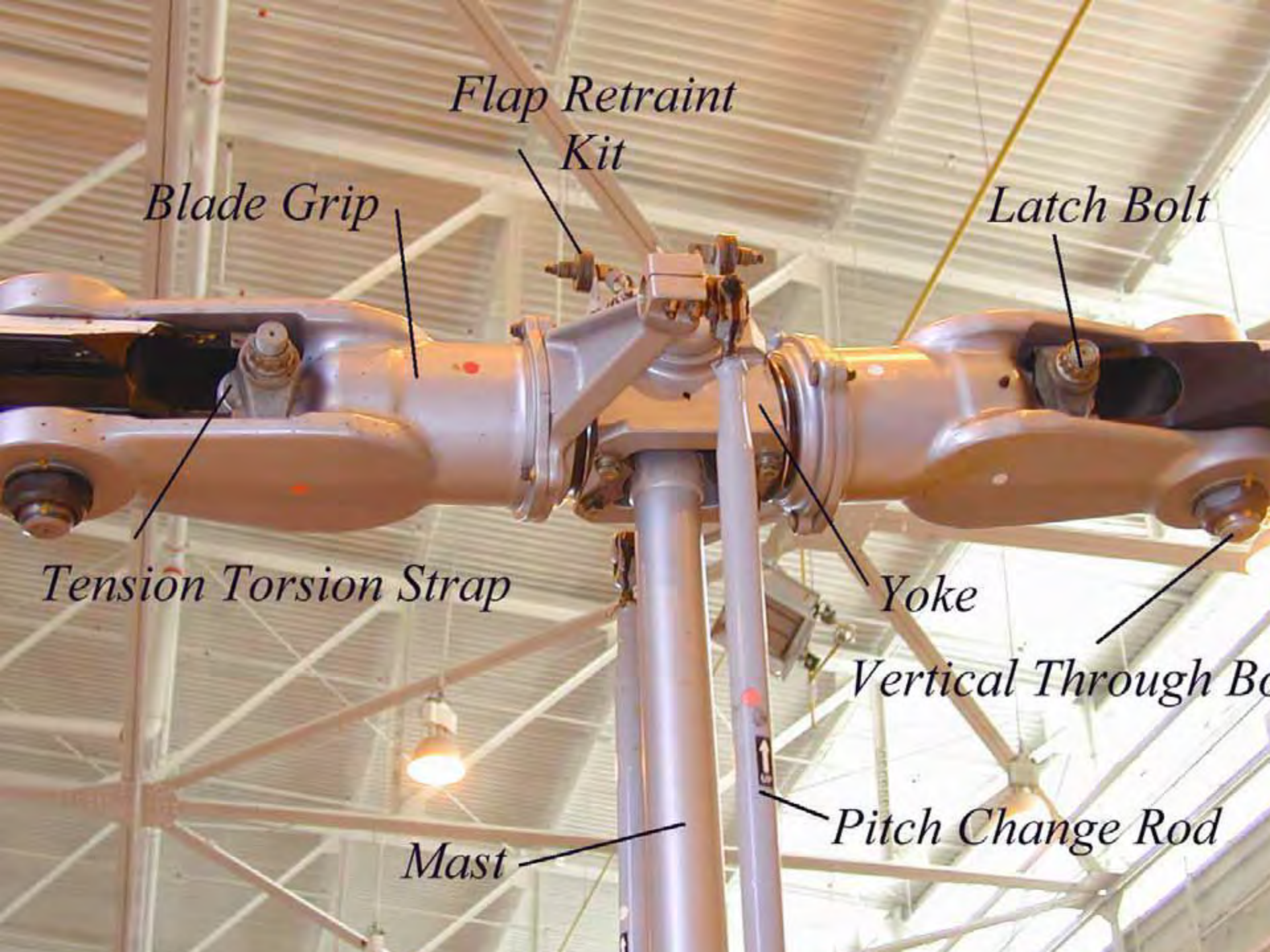
**HT-28 TH-57B PREFLIGHT**



Photo by LT Udkow, USCG







*Flap Retraint  
Kit*

*Blade Grip*

*Latch Bolt*

*Tension Torsion Strap*

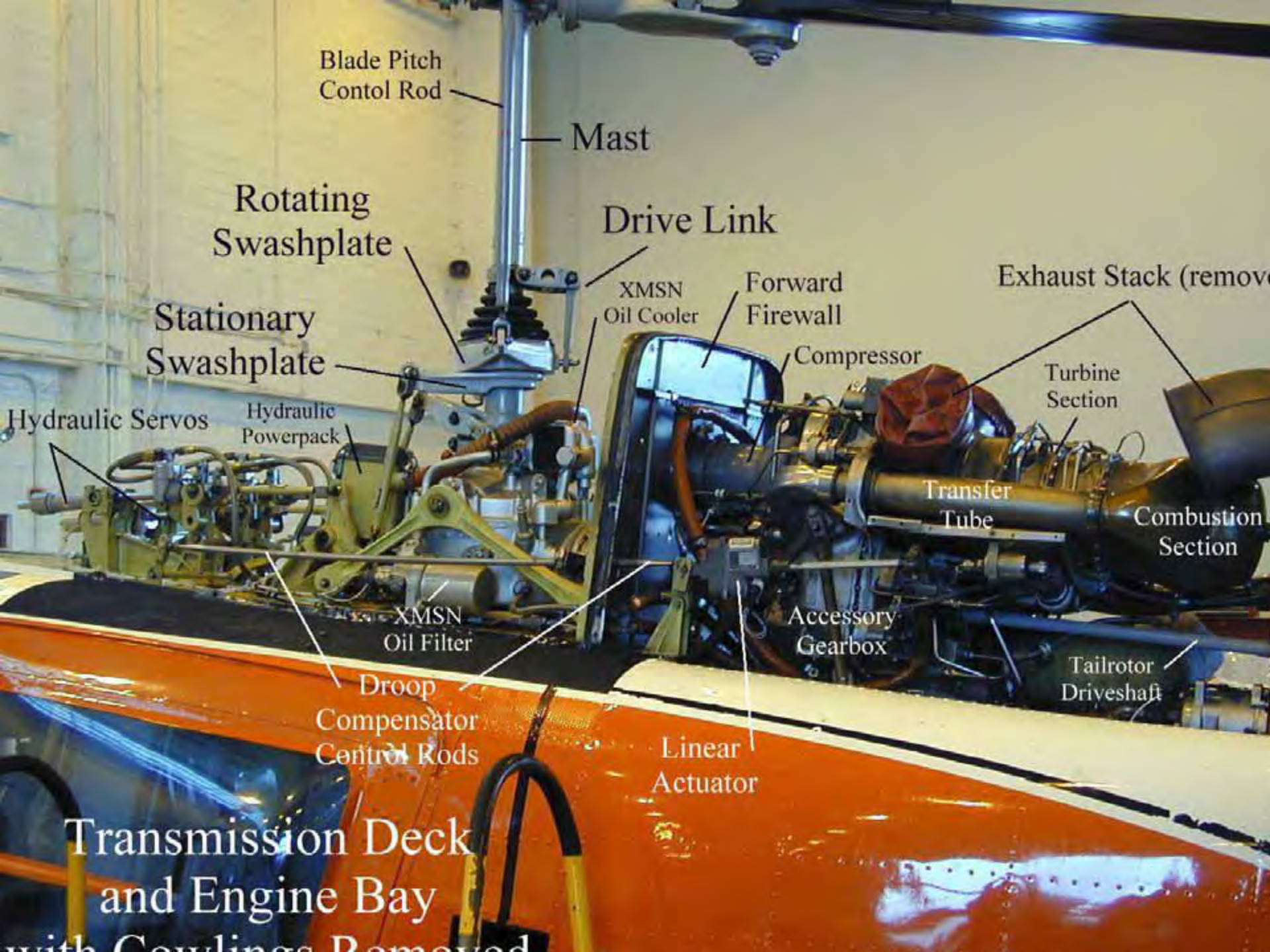
*Yoke*

*Vertical Through Bolt*

*Pitch Change Rod*

*Mast*





Blade Pitch  
Control Rod

Mast

Rotating  
Swashplate

Drive Link

Stationary  
Swashplate

XMSN  
Oil Cooler

Forward  
Firewall

Exhaust Stack (removed)

Hydraulic Servos

Hydraulic  
Powerpack

Compressor

Turbine  
Section

Transfer  
Tube

Combustion  
Section

XMSN  
Oil Filter

Accessory  
Gearbox

Tailrotor  
Driveshaft

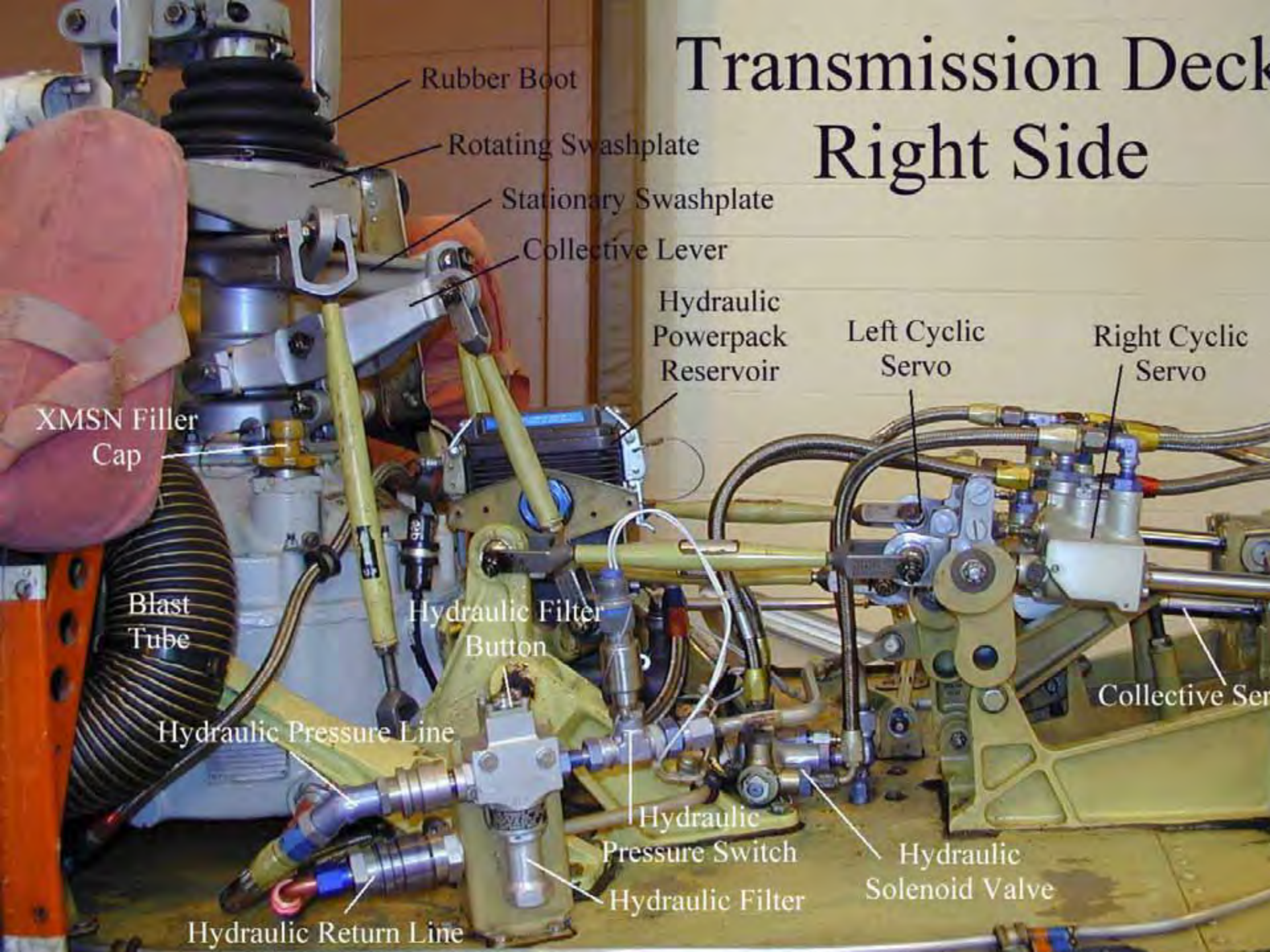
Droop  
Compensator  
Control Rods

Linear  
Actuator

Transmission Deck  
and Engine Bay  
with Cowlings Removed



# Transmission Deck Right Side



Rubber Boot

Rotating Swashplate

Stationary Swashplate

Collective Lever

Hydraulic  
Powerpack  
Reservoir

Left Cyclic  
Servo

Right Cyclic  
Servo

XMSN Filler  
Cap

Blast  
Tube

Hydraulic Filter  
Button

Hydraulic Pressure Line

Hydraulic  
Pressure Switch

Hydraulic Filter

Hydraulic Return Line

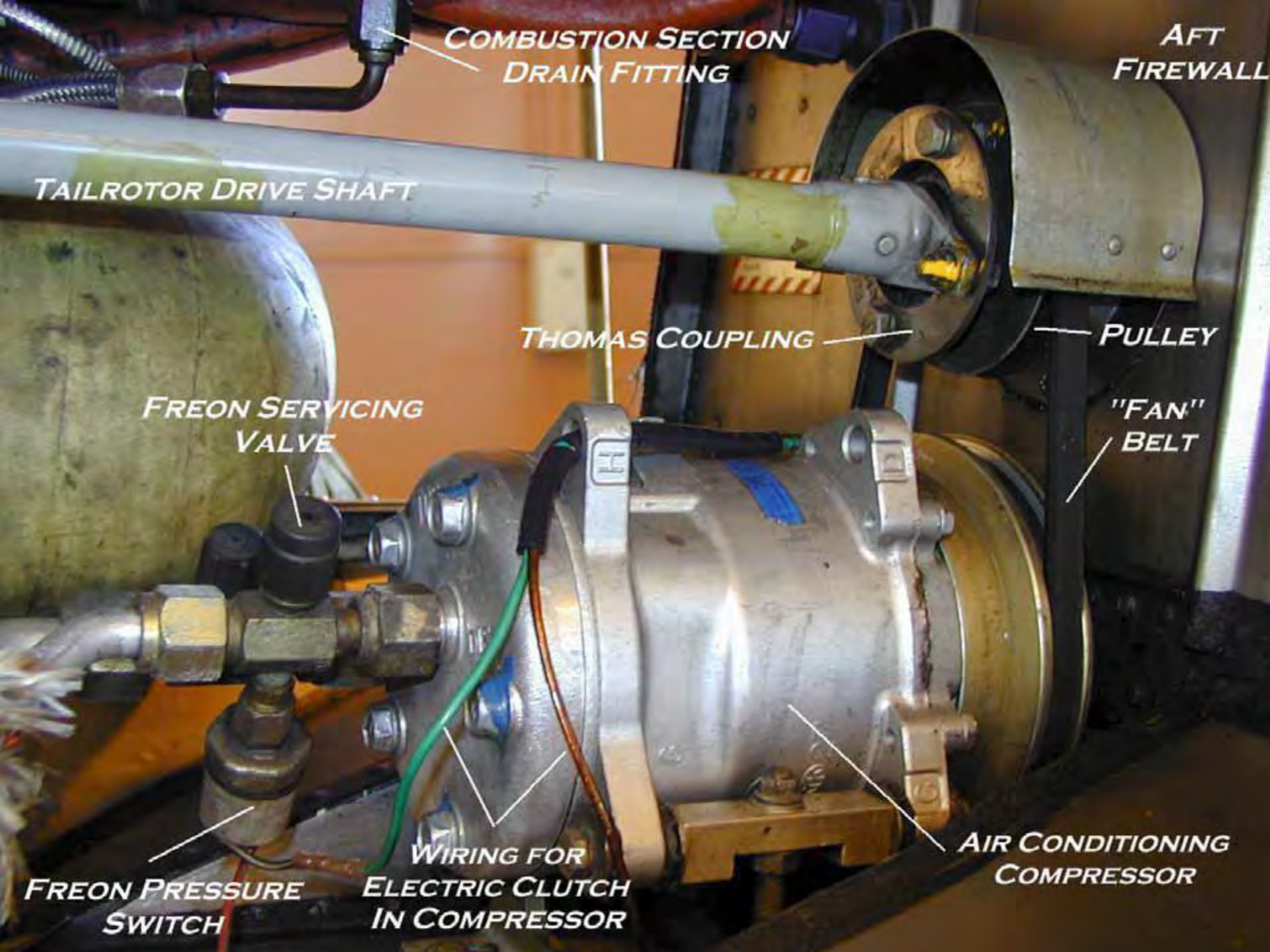
Hydraulic  
Solenoid Valve

Collective Servo









COMBUSTION SECTION  
DRAIN FITTING

AFT  
FIREWALL

TAILROTOR DRIVE SHAFT

THOMAS COUPLING

PULLEY

FREON SERVICING  
VALVE

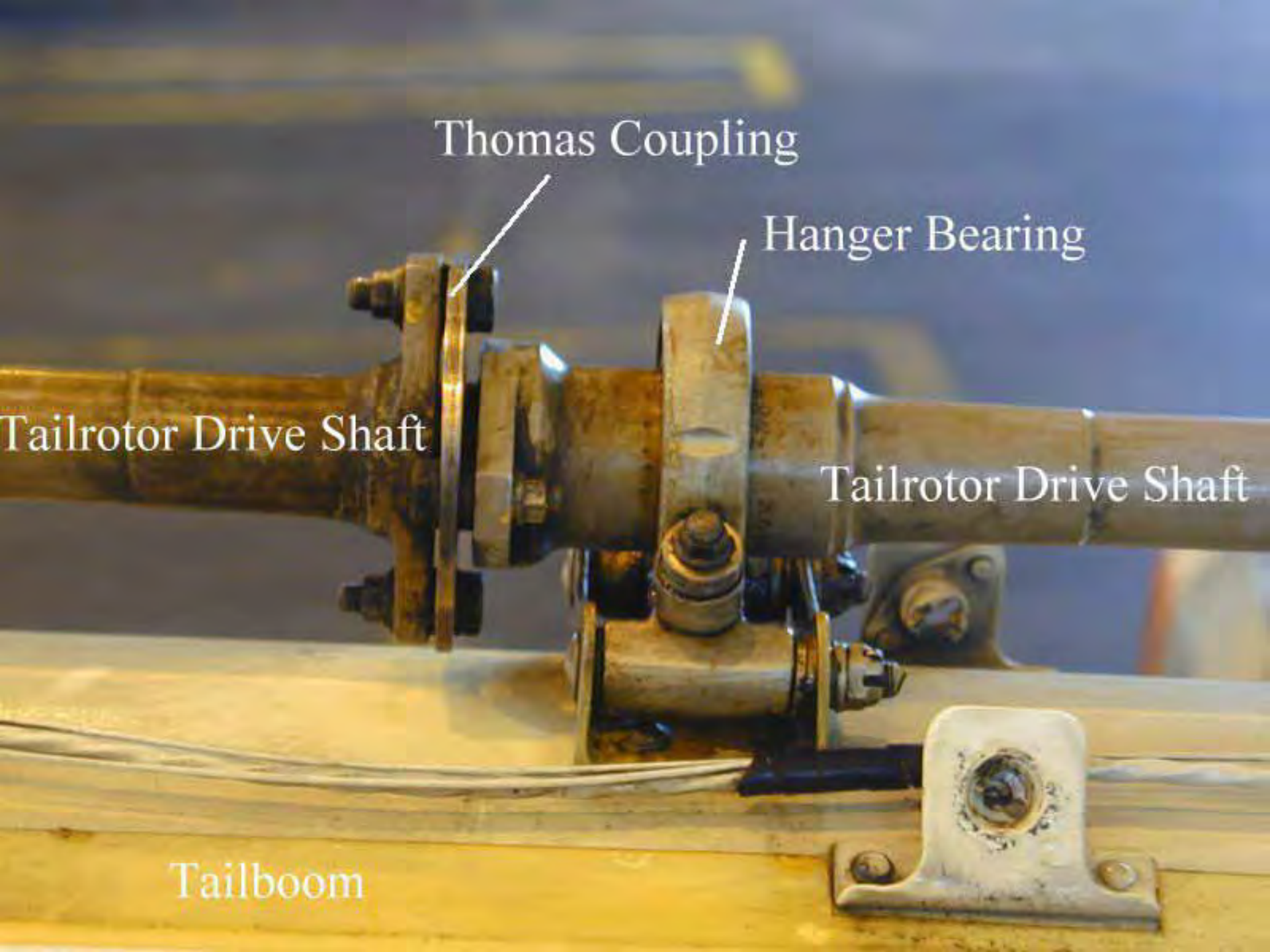
"FAN"  
BELT

FREON PRESSURE  
SWITCH

WIRING FOR  
ELECTRIC CLUTCH  
IN COMPRESSOR

AIR CONDITIONING  
COMPRESSOR





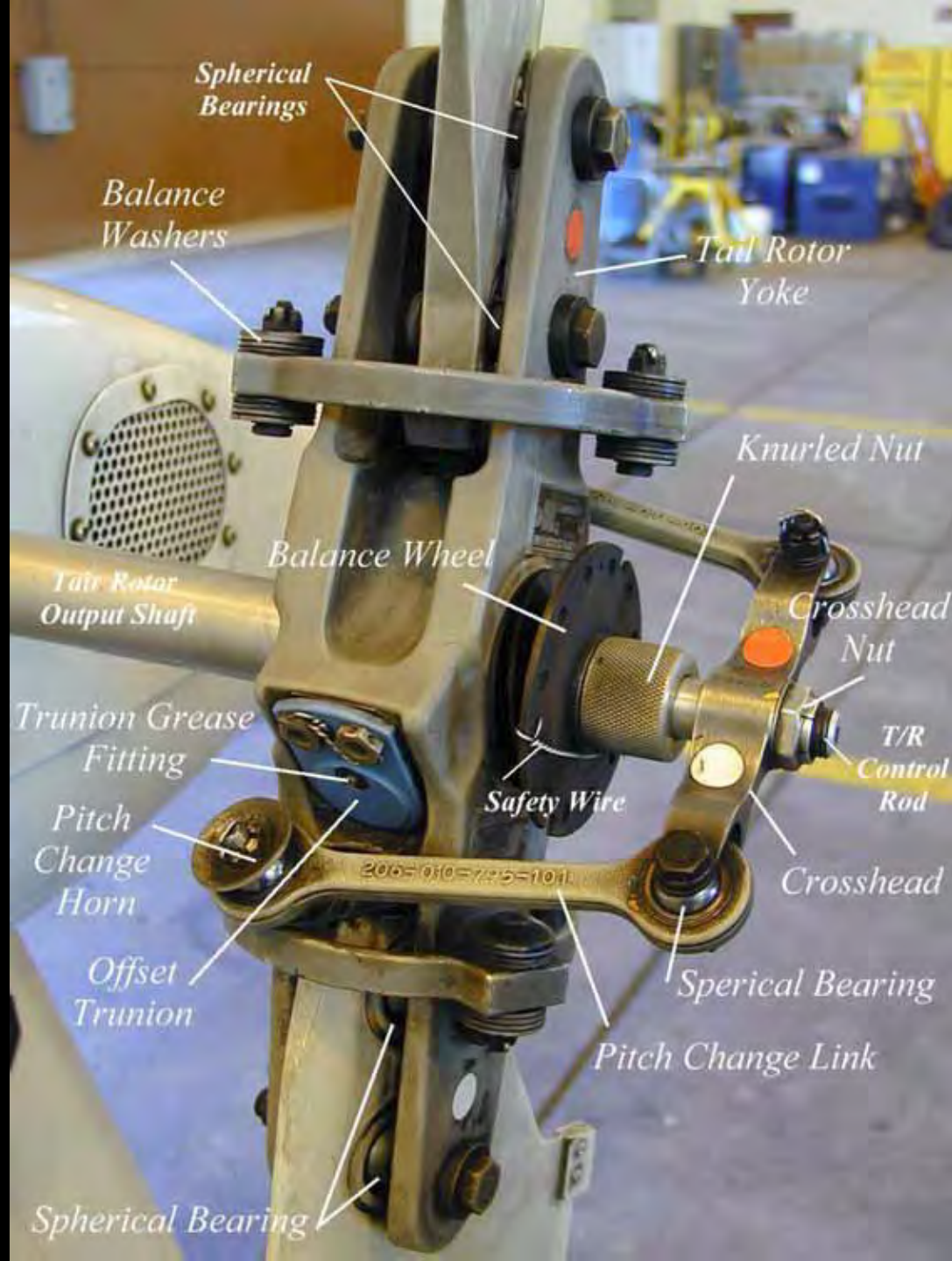
Thomas Coupling

Hanger Bearing

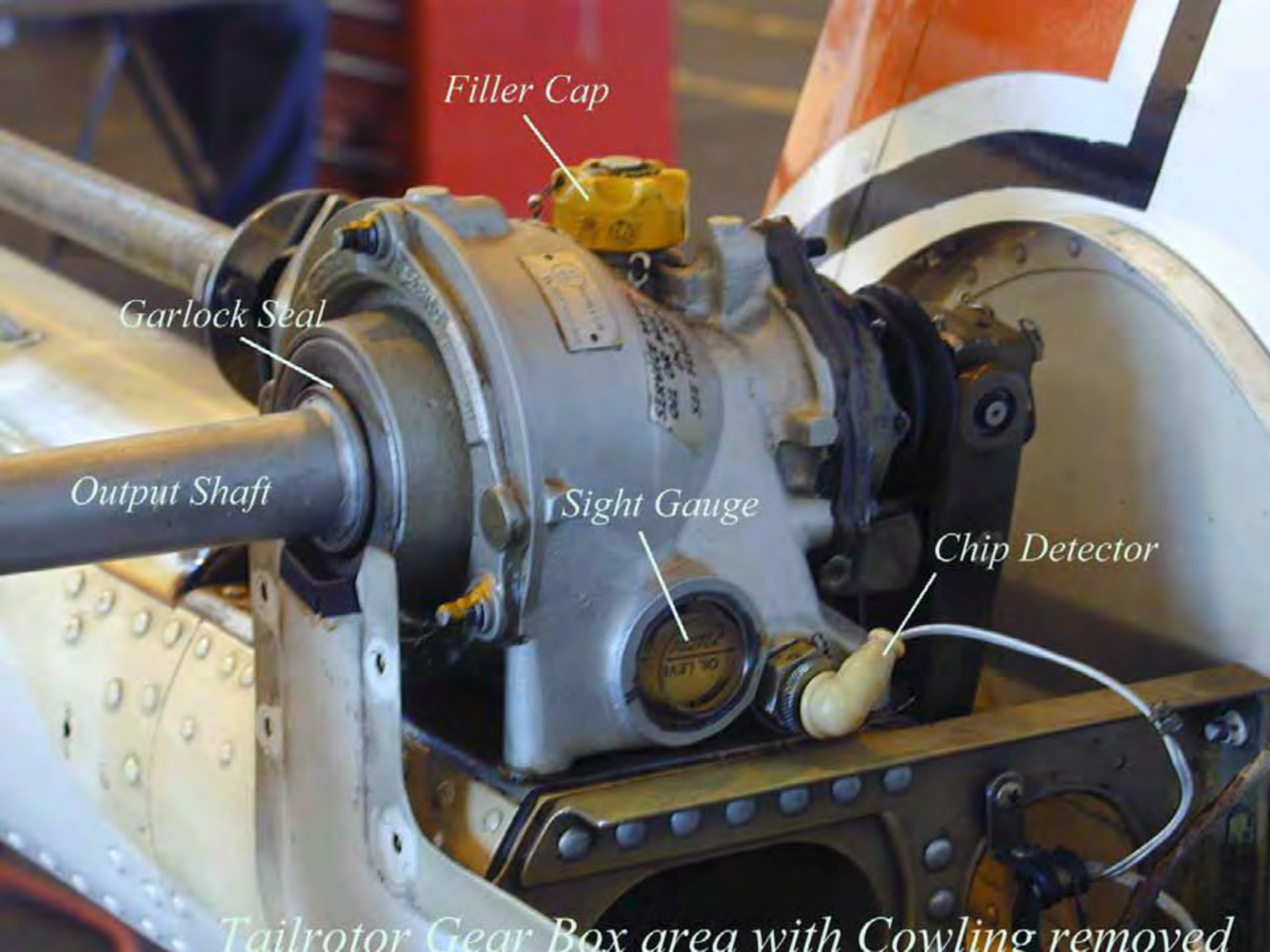
Tailrotor Drive Shaft

Tailrotor Drive Shaft

Tailboom







*Filler Cap*

*Garlock Seal*

*Output Shaft*

*Sight Gauge*

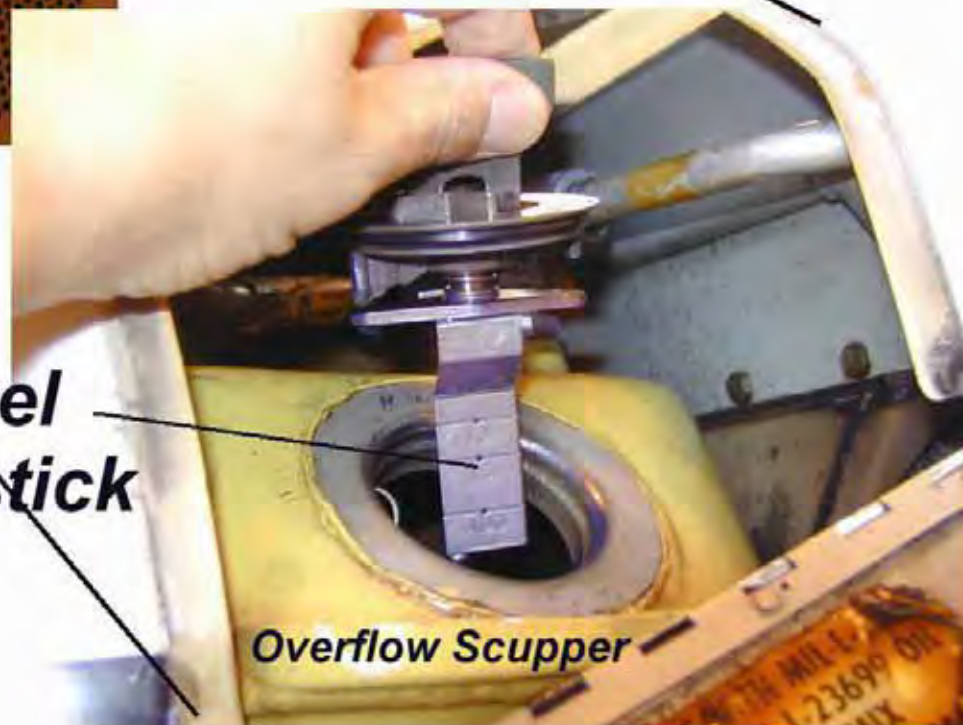
*Chip Detector*

*Tailrotor Gear Box area with Cowling removed*

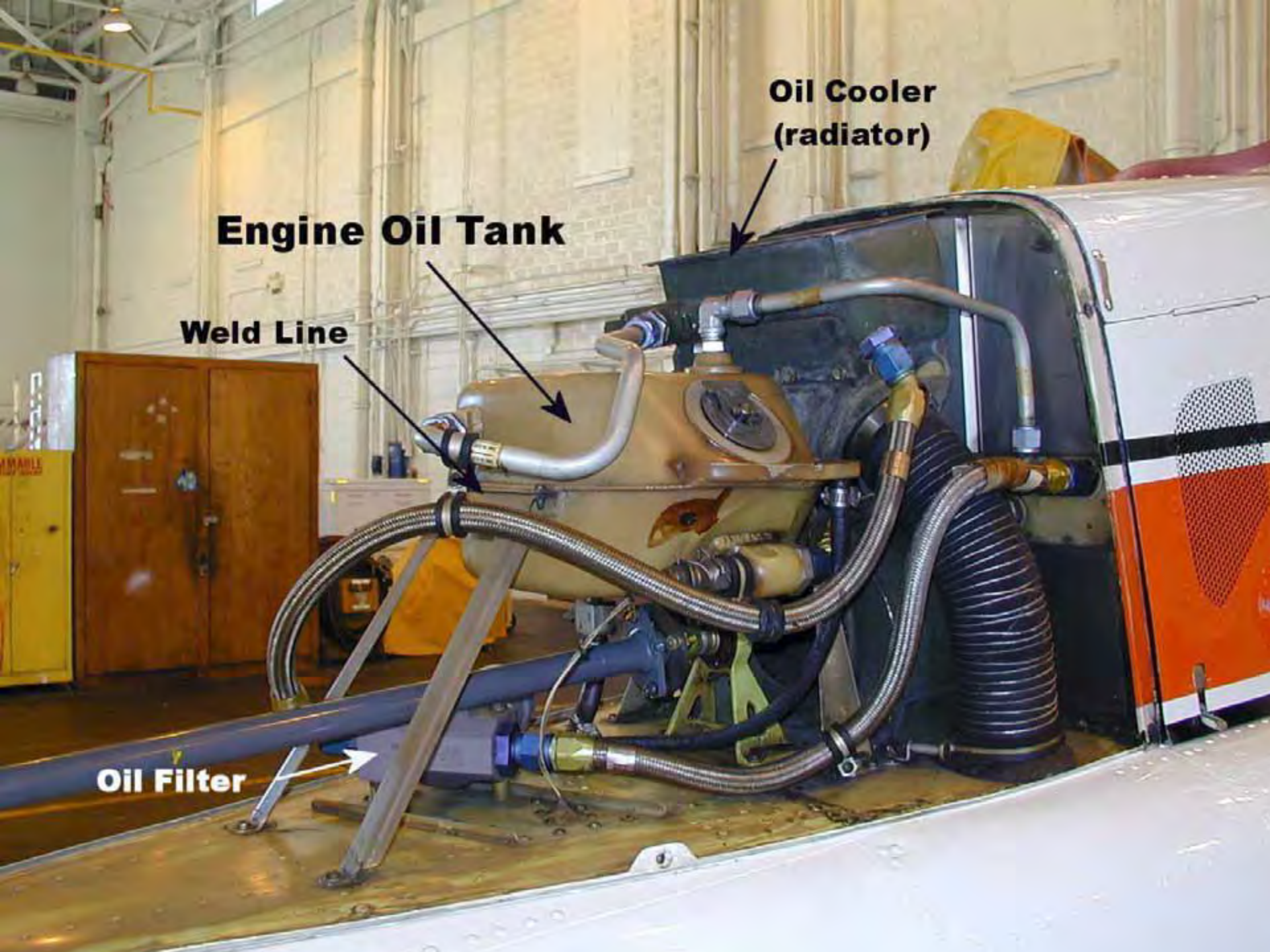


**Holds 5.5  
US Quarts**

**Check Oil Level  
Visually on Dipstick**







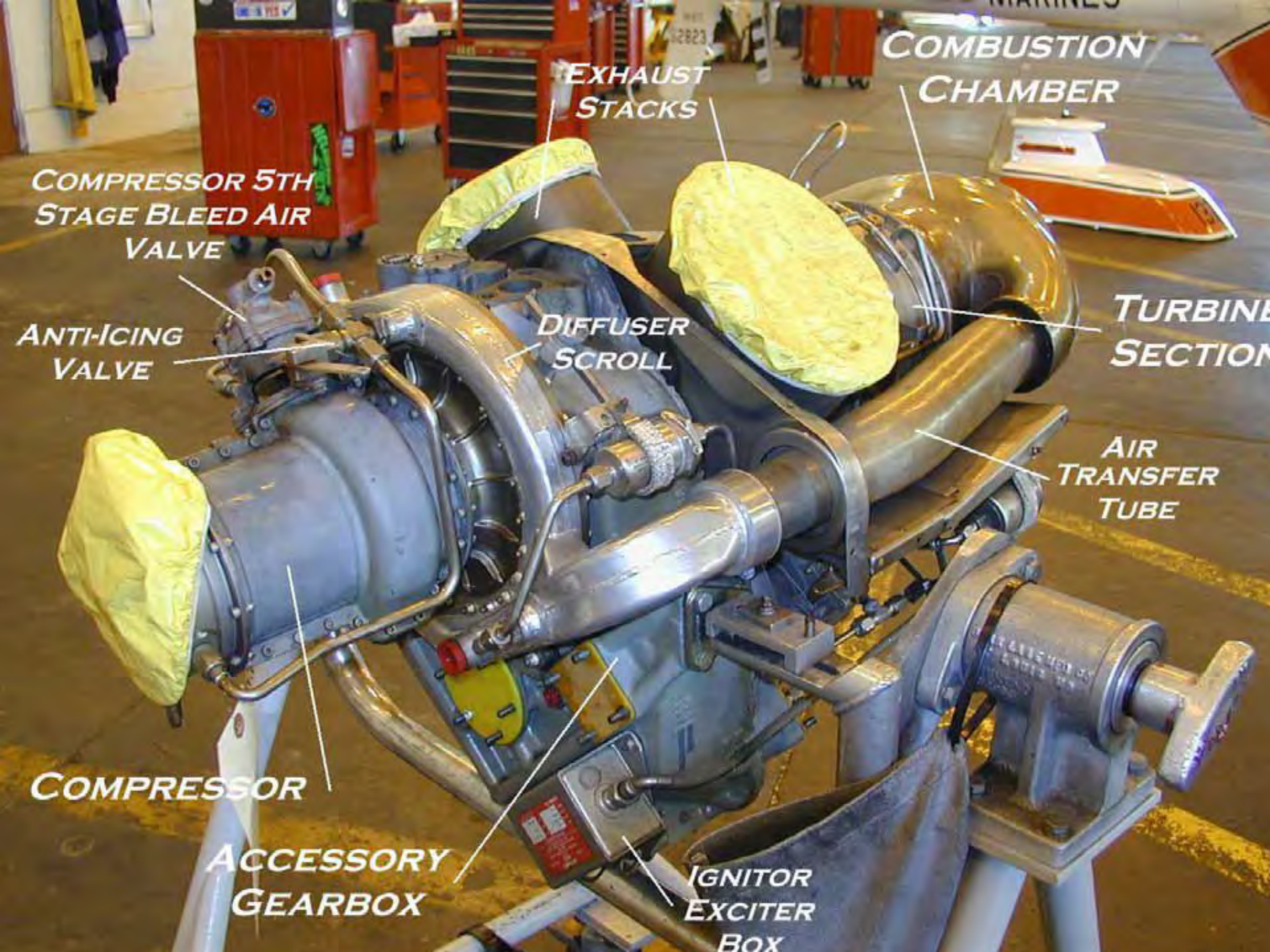
**Oil Cooler  
(radiator)**

**Engine Oil Tank**

**Weld Line**

**Oil Filter**





COMPRESSOR 5TH  
STAGE BLEED AIR  
VALVE

EXHAUST  
STACKS

COMBUSTION  
CHAMBER

TURBINE  
SECTION

AIR  
TRANSFER  
TUBE

DIFFUSER  
SCROLL

ANTI-ICING  
VALVE

COMPRESSOR

ACCESSORY  
GEARBOX

IGNITOR  
EXCITER  
BOX



A photograph of a metallic combustion chamber, likely for a rocket engine or industrial burner. The chamber is a bulbous, cylindrical shape with various ports and connections. It is mounted on a test stand. Labels are overlaid on the image to identify key components: 'Combustion Chamber' at the top, 'Ignitor Plug' on the left side of the front face, and 'Fuel Nossle' on the right side of the front face. A bright orange flexible hose is connected to the fuel nozzle. The background shows a workshop or laboratory setting with yellow insulation and other equipment.

*Combustion  
Chamber*

*Ignitor  
Plug*

*Fuel Nossle*



*RIGHT SIDE  
ENGINE BI-POD  
MOUNT*

*Freewheeling Unit*

*MAGNETIC  
CHIP  
DETECTOR  
PLUG*

*LOWER  
ENGINE MOUNT*





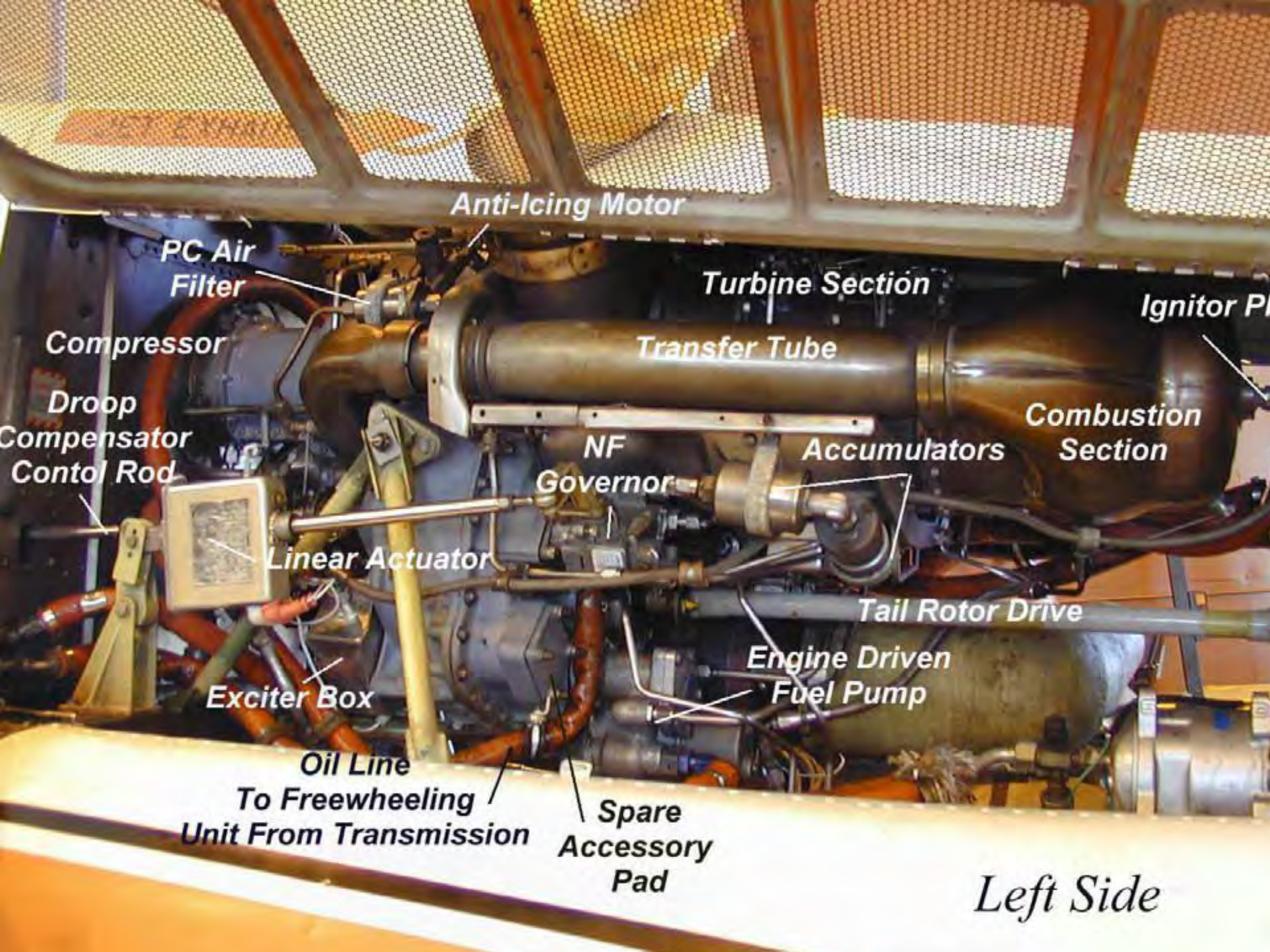


*Test Button*

*Airframe Fuel  
Filter*

*Fuel In*





Anti-Icing Motor

PC Air  
Filter

Turbine Section

Ignitor Pl

Compressor

Transfer Tube

Combustion  
Section

Droop  
Compensator  
Control Rod

NF  
Governor

Accumulators

Linear Actuator

Tail Rotor Drive

Engine Driven  
Fuel Pump

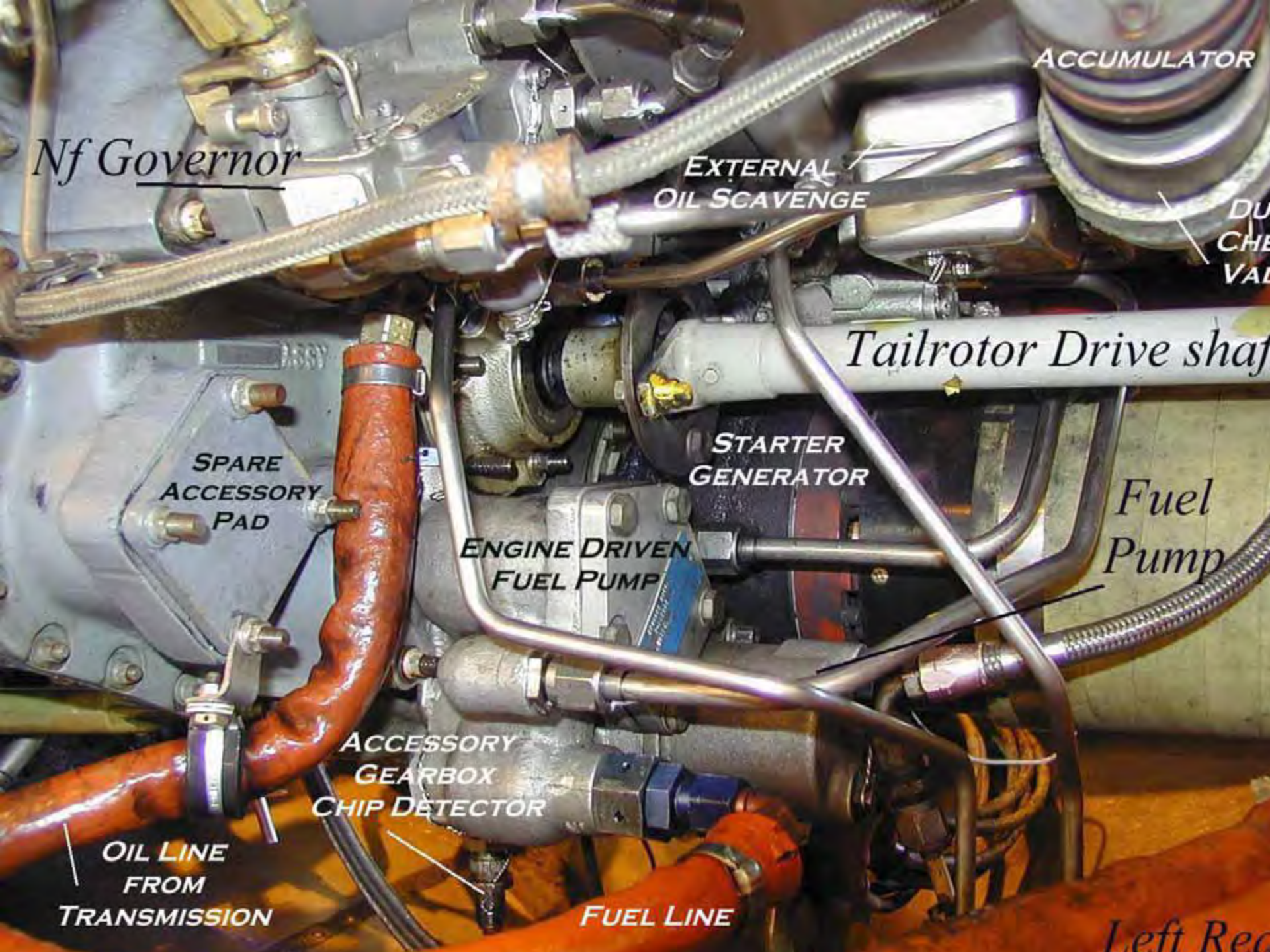
Exciter Box

Oil Line  
To Freewheeling  
Unit From Transmission

Spare  
Accessory  
Pad

Left Side





*Nf Governor*

*ACCUMULATOR*

*EXTERNAL  
OIL SCAVENGE*

*DU  
CHE  
VAL*

*Tailrotor Drive shaft*

*STARTER  
GENERATOR*

*Fuel  
Pump*

*SPARE  
ACCESSORY  
PAD*

*ENGINE DRIVEN  
FUEL PUMP*

*ACCESSORY  
GEARBOX  
CHIP DETECTOR*

*OIL LINE  
FROM  
TRANSMISSION*

*FUEL LINE*

*Left Rec*

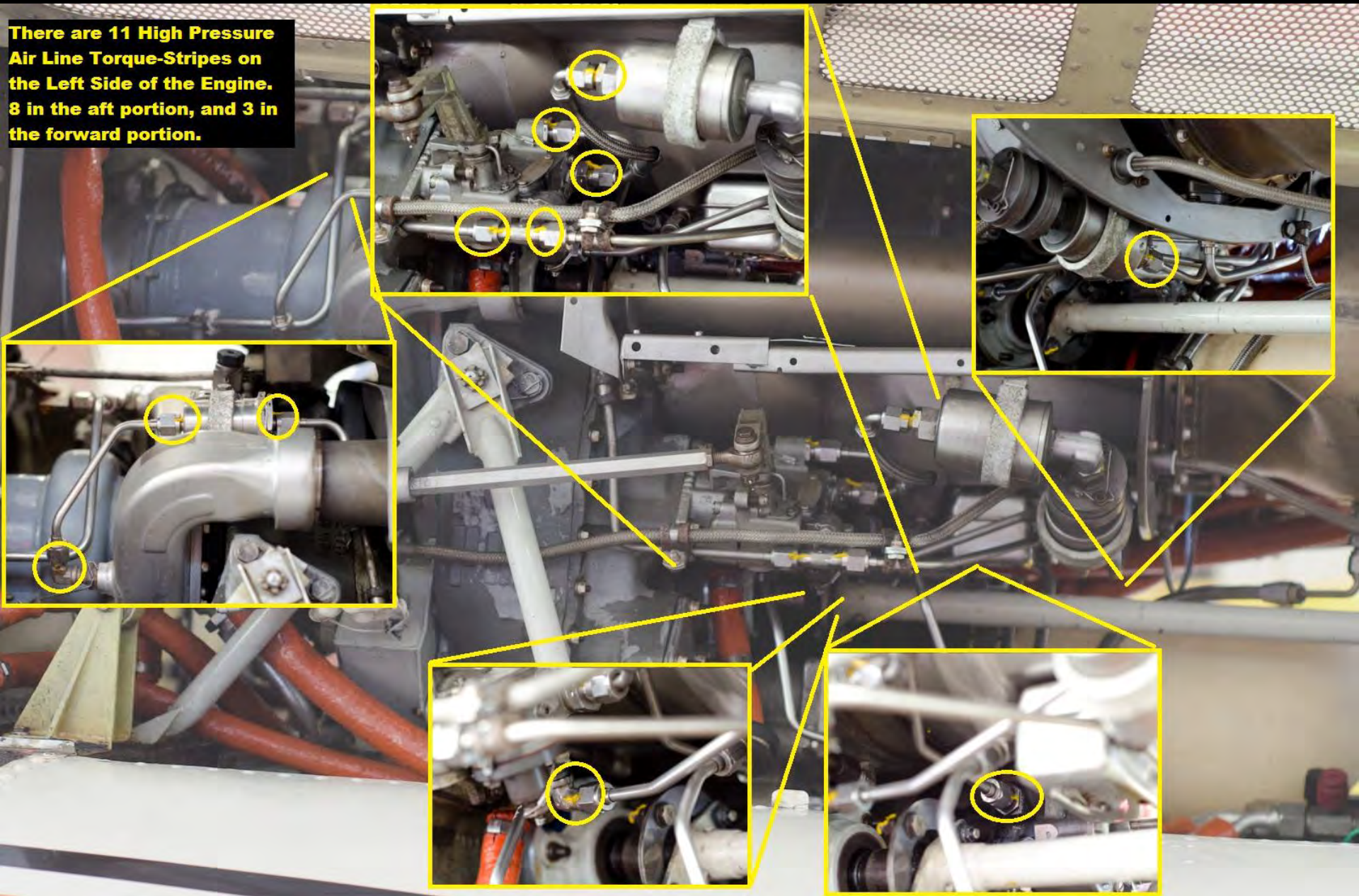




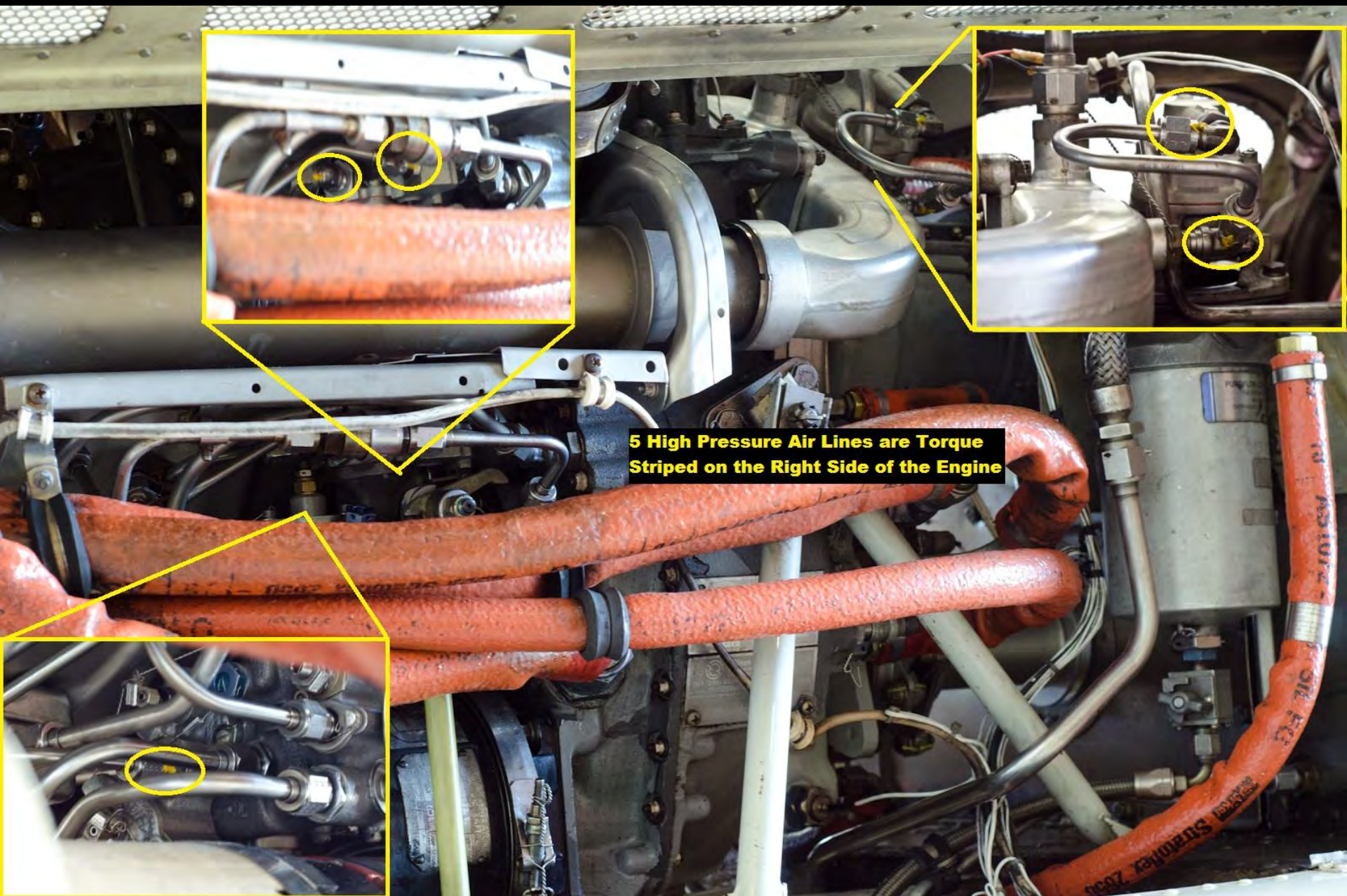
Ng  
Fuel Control



**There are 11 High Pressure Air Line Torque-Stripes on the Left Side of the Engine. 8 in the aft portion, and 3 in the forward portion.**







**5 High Pressure Air Lines are Torque Striped on the Right Side of the Engine**