

Renault (SNECMA) 12S
Argus AS 411

N.B.C 26a

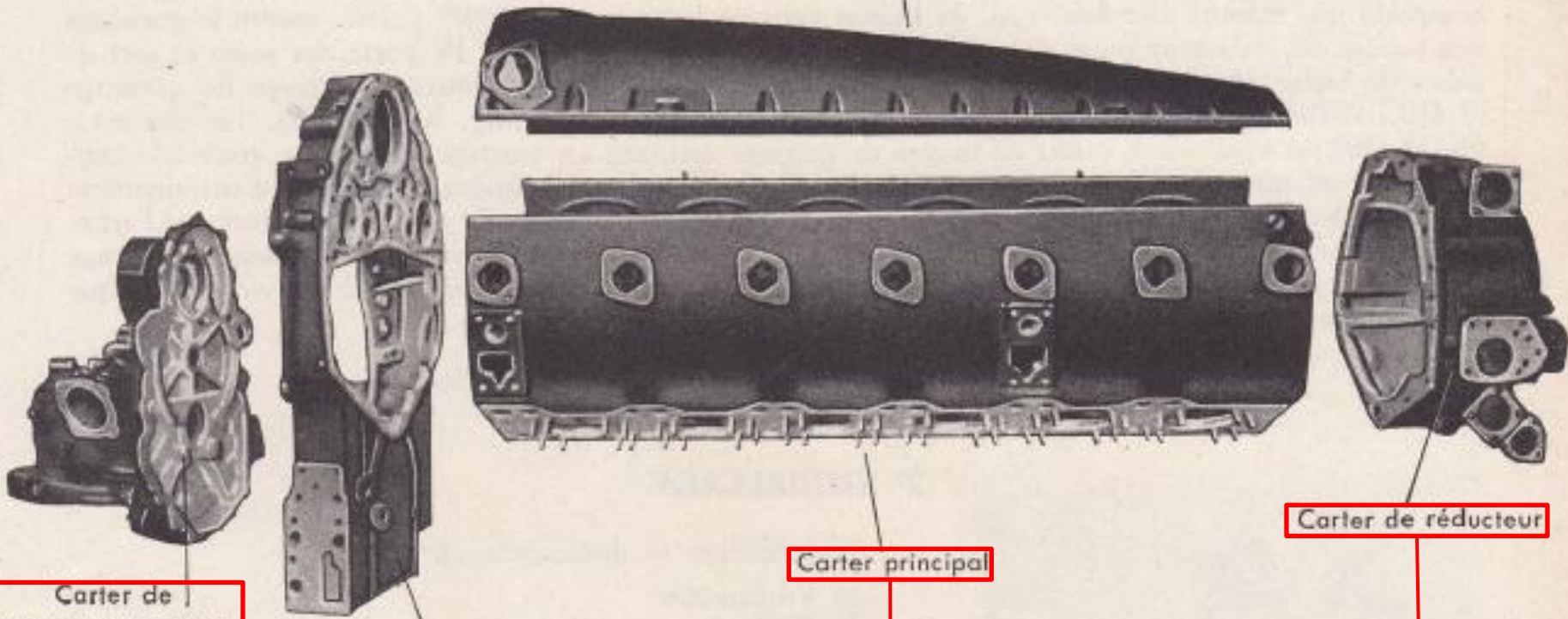
Characteristics

- Bore: 4.13" (105mm)
- Stroke: 4.53" (115mm)
- Total Displacement: 732.3 cubic inches (12 litres)
- Compression Ratio: 6.4:1
- One intake, one exhaust valve & two ignitors per cylinder
- Power Output: 592 hp @ 3,300 rpm
- Valve Schedules
 - Intake Valve Open: 53° BTC
 - Intake Valve Closes: 105° ATC
 - Exhaust Valve Opens: 87° BBC
 - Exhaust Valve Closes: 61° ABC
- Valves
 - Intake Clearance = 0.018" (0.45mm); Lift = 0.465" (11.8mm)
 - Exhaust Clearance = 0.018" (0.45mm); Lift = 0.441" (11.2mm)
- Firing Order: 1, 9, 4, 11, 2, 7, 6, 10, 3, 8, 5, 12

Renault 12S Main Sections

Crankcase Cover

Couvercle de carter principal



Carter de
compresseur avec
coude d'aspiration

Carter de distribution

Carter principal

Carter de réducteur

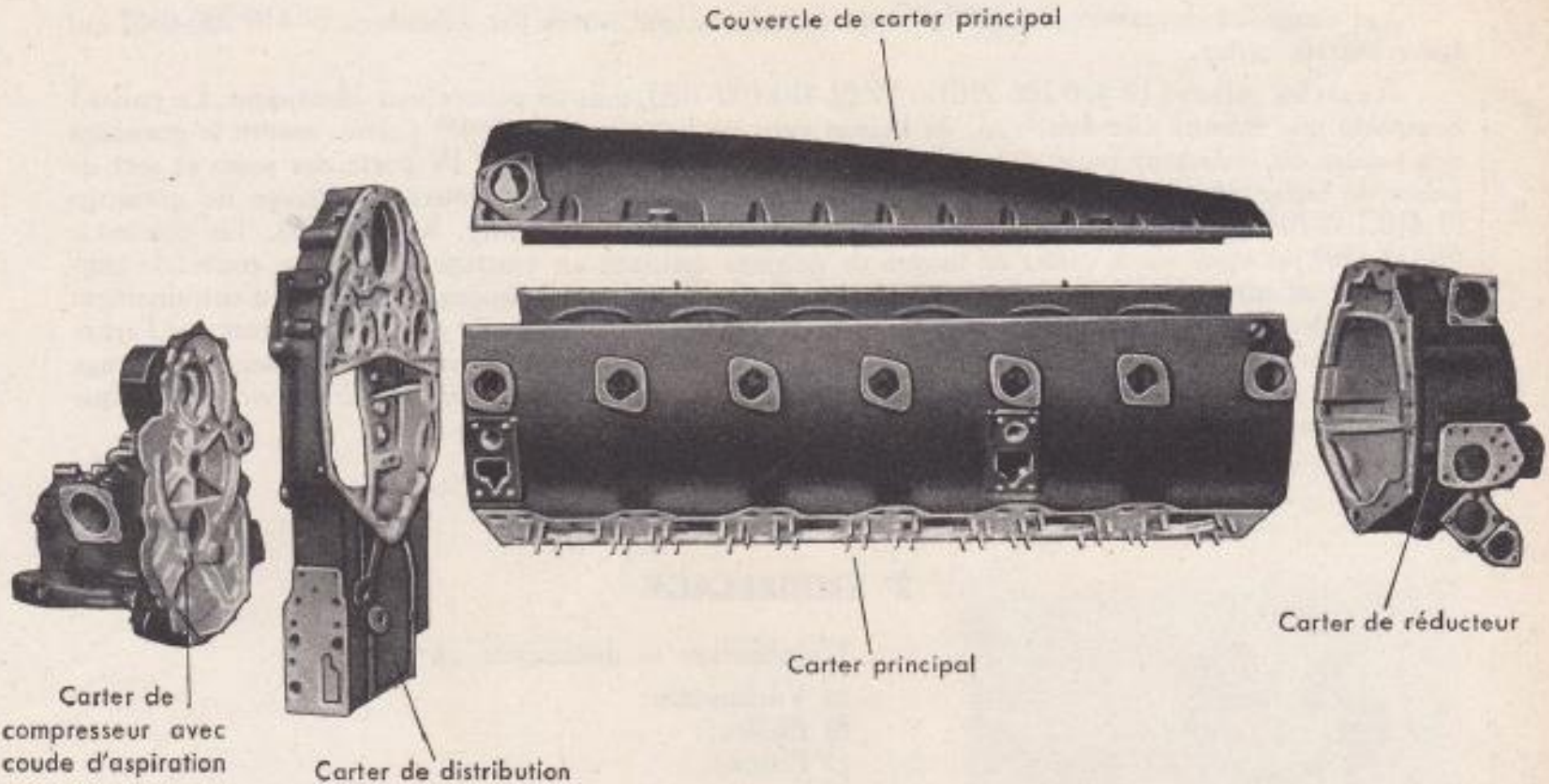
Supercharger
Housing

Timing Case (for
Accessories)

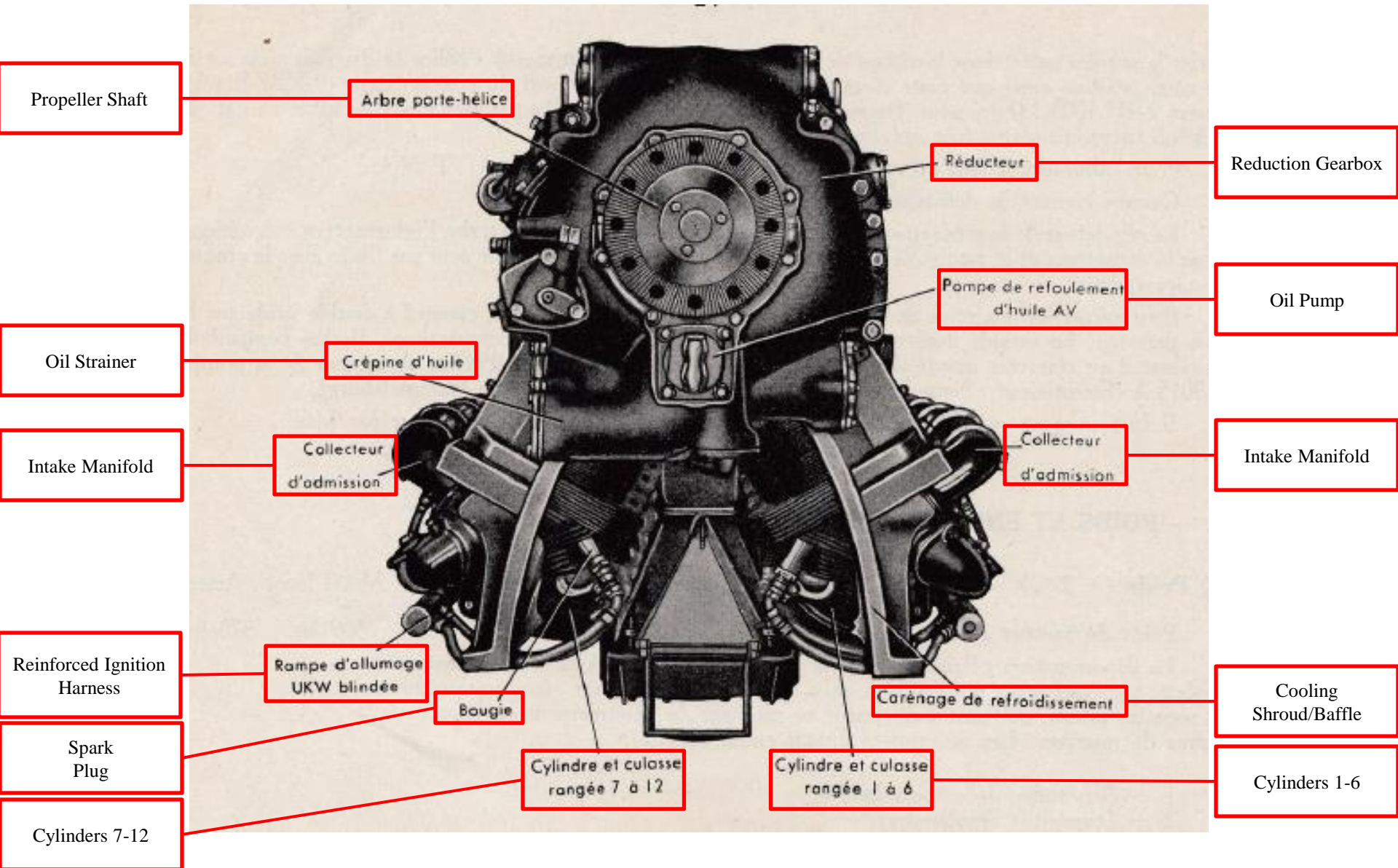
Crankcase

Gearbox Housing

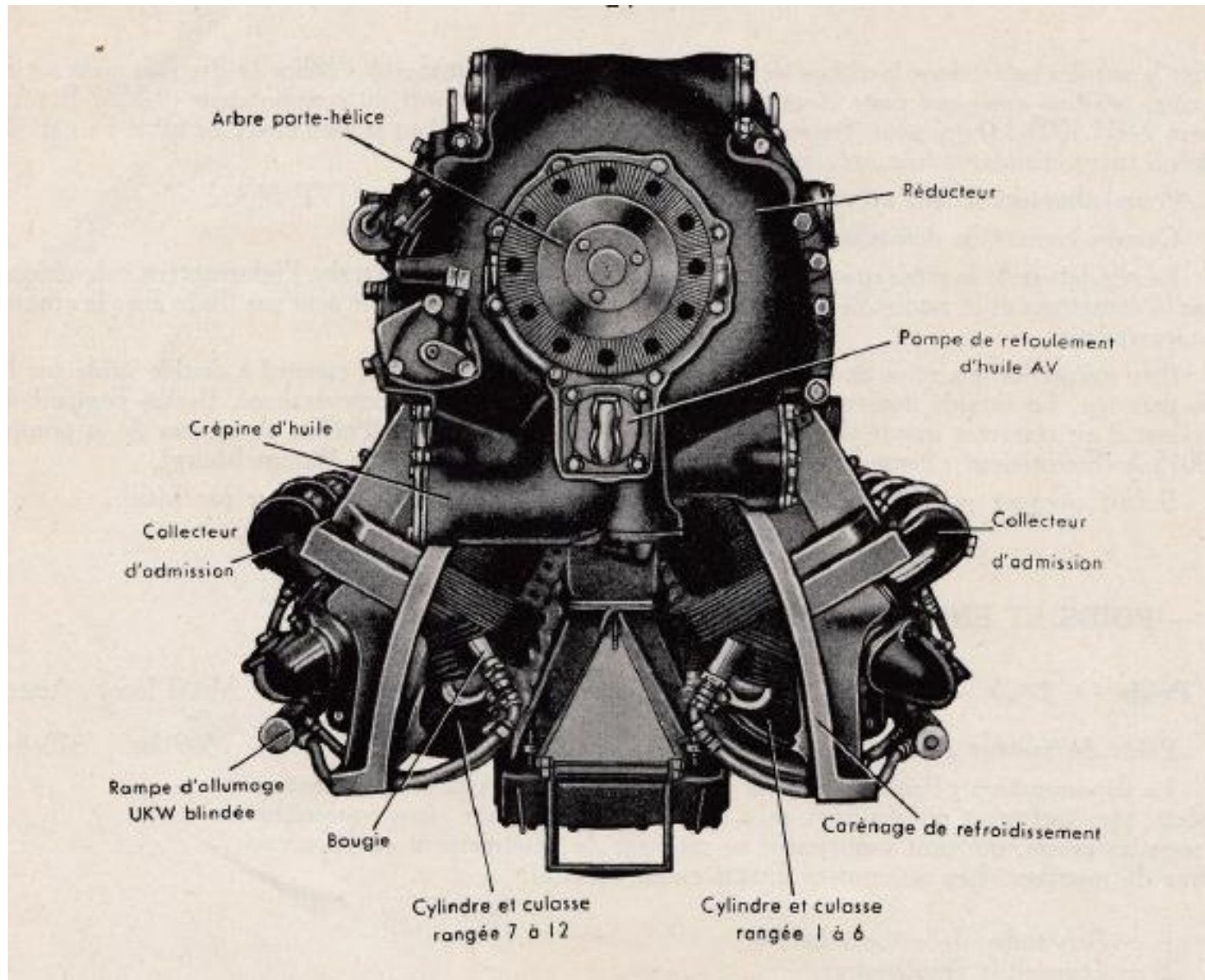
Renault 12S Main Sections



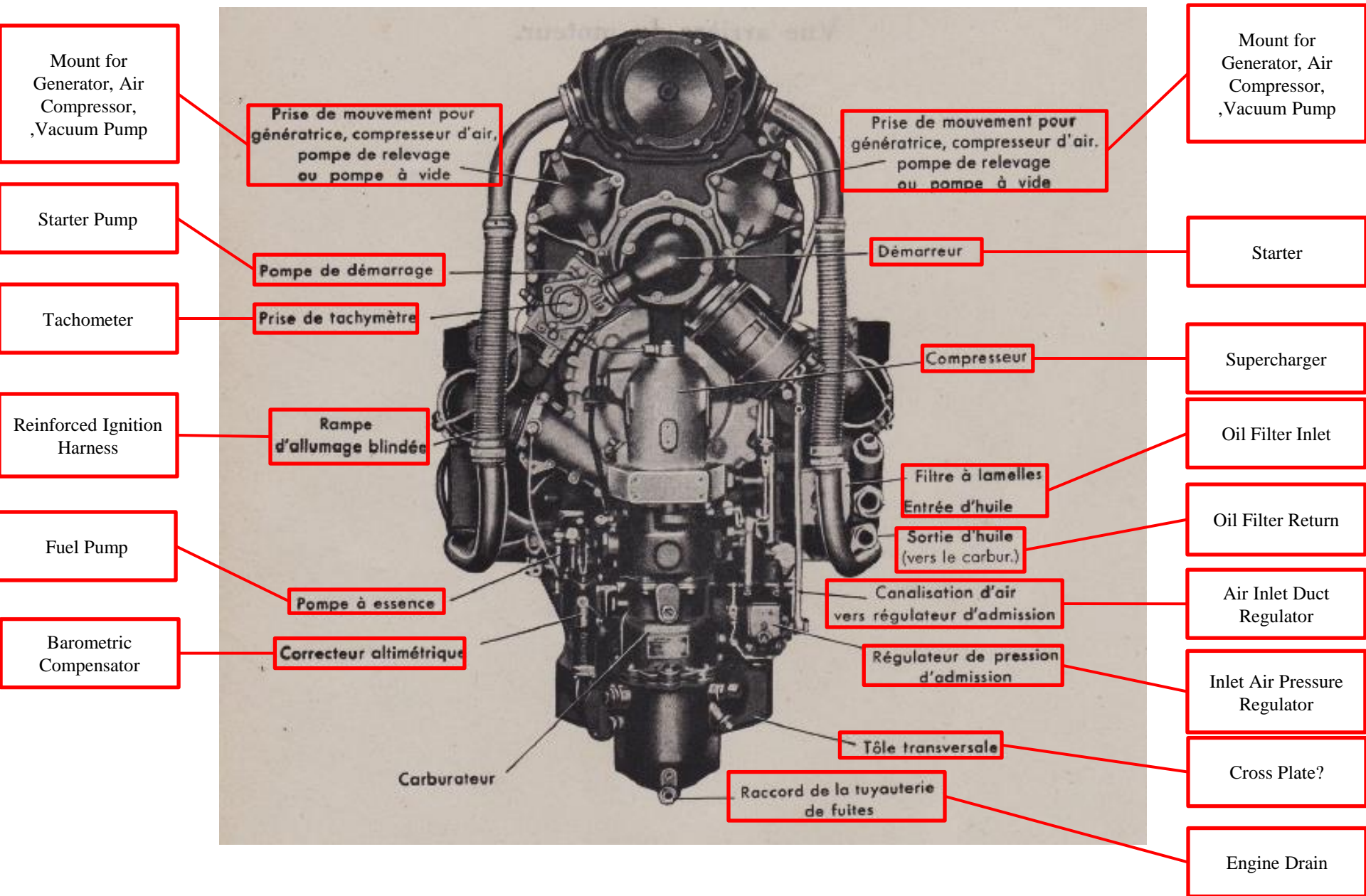
Renault 12S Front View



Renault 12S Front View



Renault 12S Rear View



Mount for Generator, Air Compressor, Vacuum Pump

Prise de mouvement pour génératrice, compresseur d'air, pompe de relevage ou pompe à vide

Prise de mouvement pour génératrice, compresseur d'air, pompe de relevage ou pompe à vide

Mount for Generator, Air Compressor, Vacuum Pump

Starter Pump

Pompe de démarrage

Démarrreur

Starter

Tachometer

Prise de tachymètre

Compresseur

Supercharger

Reinforced Ignition Harness

Rampe d'allumage blindée

Filtre à lamelles
Entrée d'huile

Oil Filter Inlet

Fuel Pump

Pompe à essence

Sortie d'huile
(vers le carbur.)

Oil Filter Return

Barometric Compensator

Correcteur altimétrique

Canalisation d'air vers régulateur d'admission

Air Inlet Duct Regulator

Régulateur de pression d'admission

Inlet Air Pressure Regulator

Carburateur

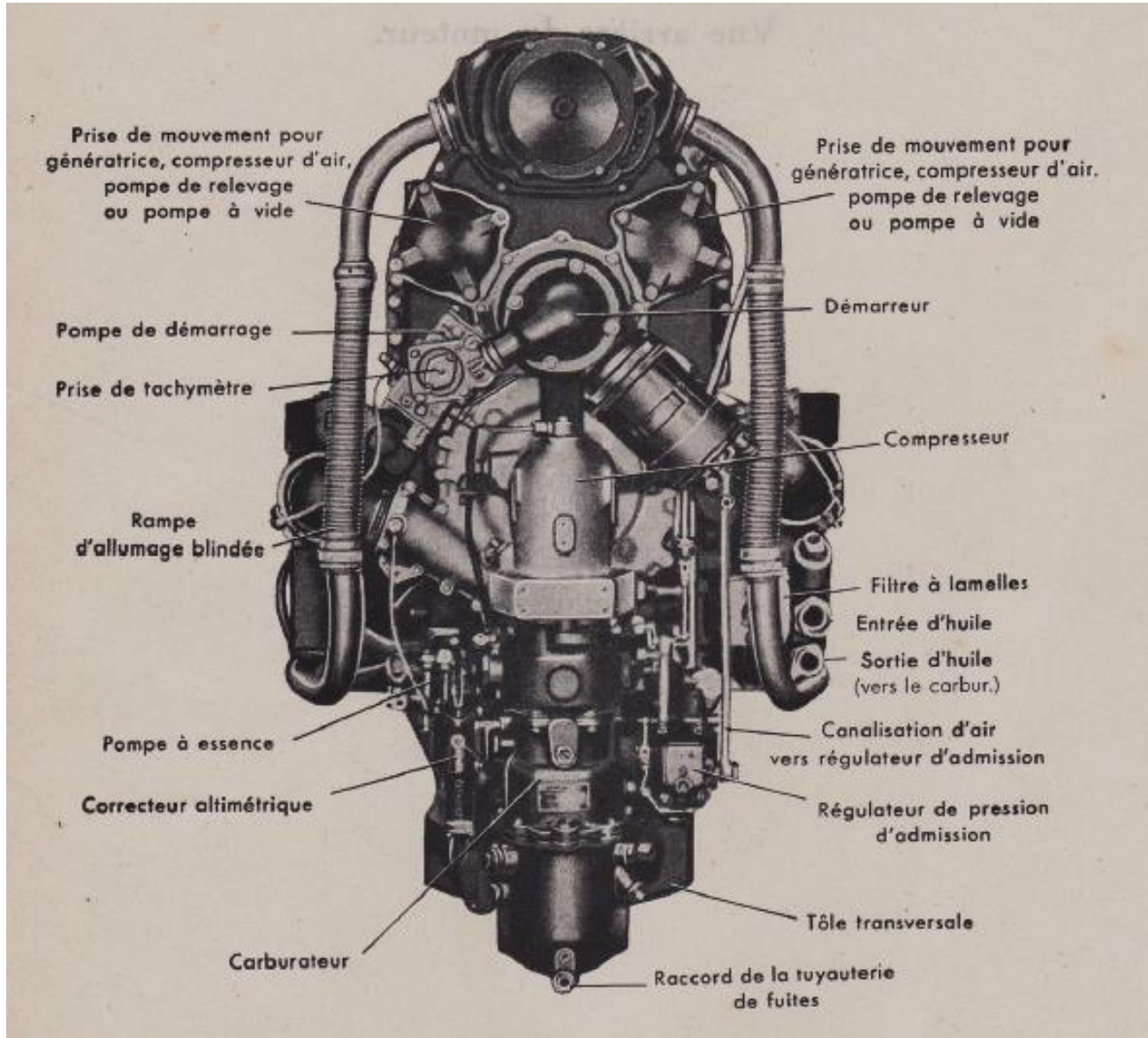
Tôle transversale

Cross Plate?

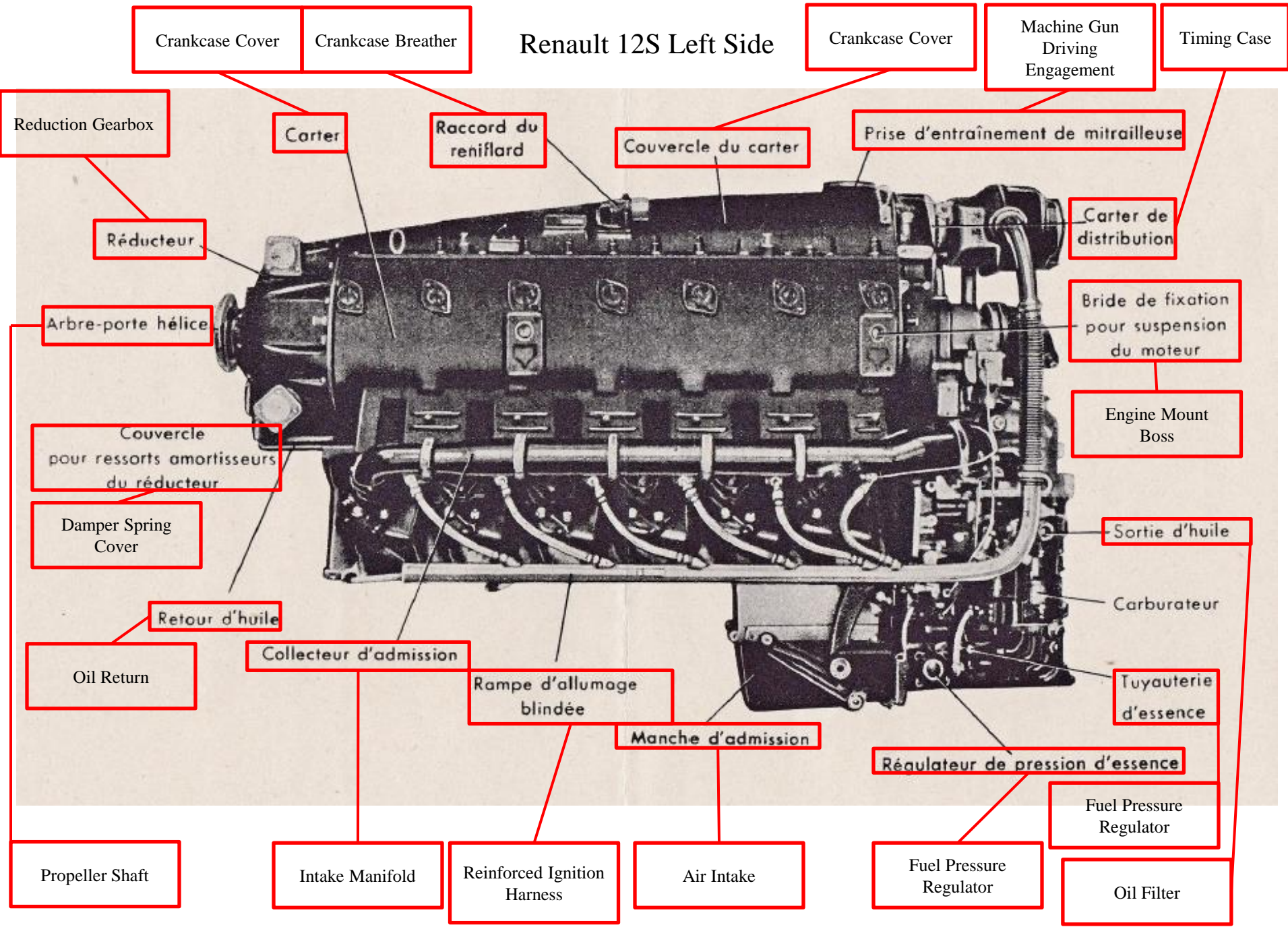
Raccord de la tuyauterie de fuites

Engine Drain

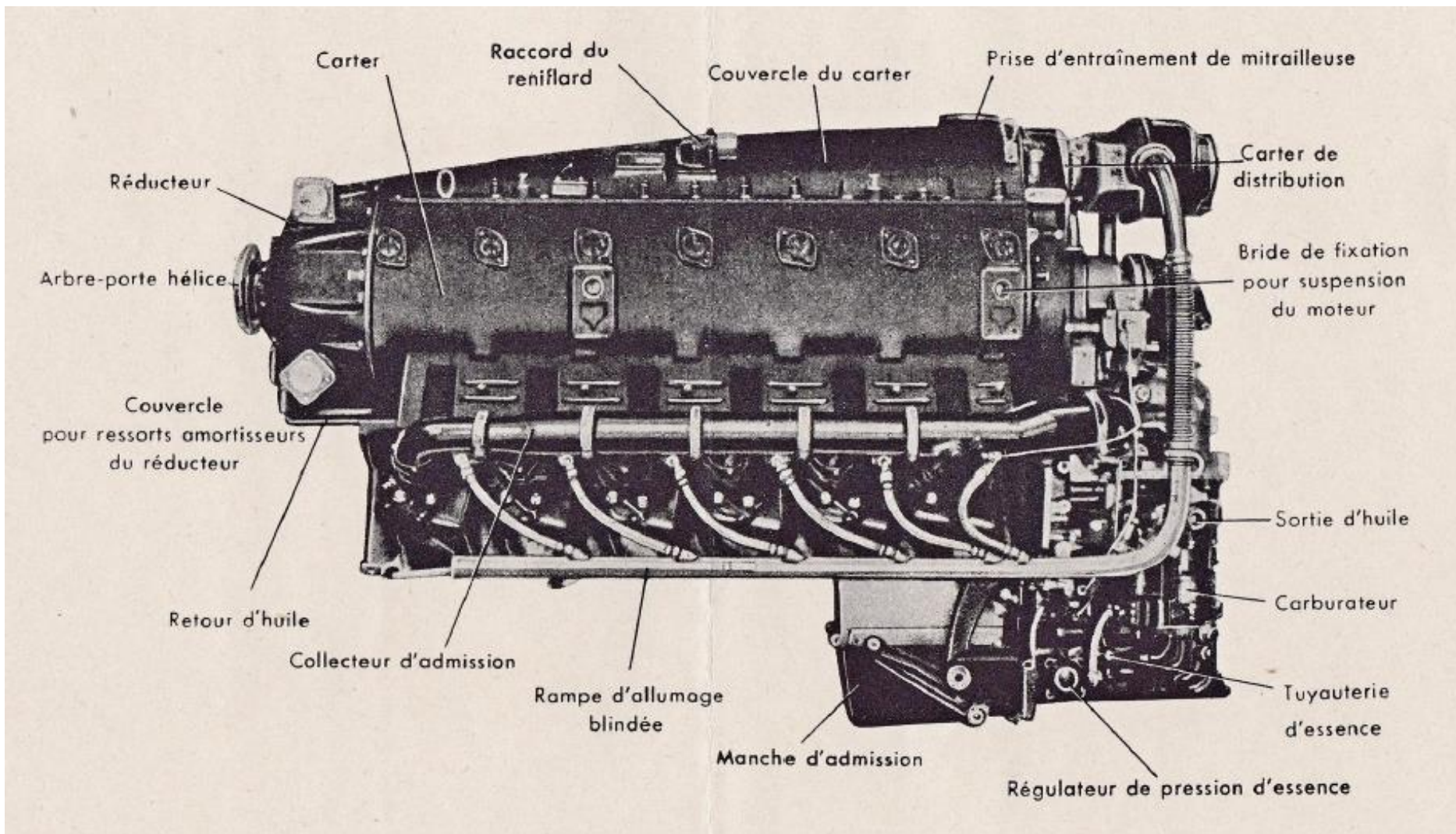
Renault 12S Rear View



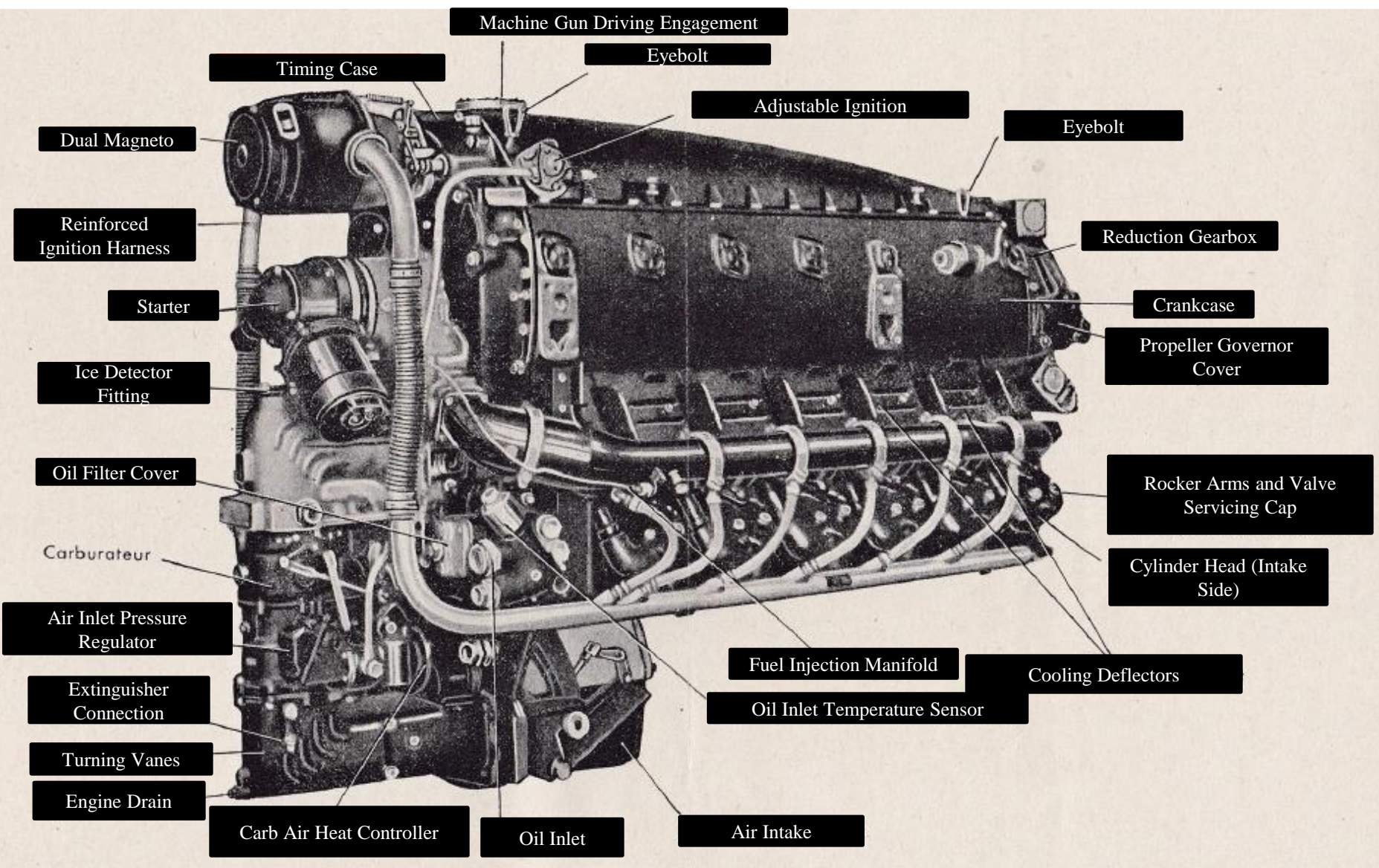
Renault 12S Left Side



Renault 12S Left Side



Renault 12S Right Side



Machine Gun Driving Engagement

Eyebolt

Timing Case

Adjustable Ignition

Dual Magneto

Eyebolt

Reinforced Ignition Harness

Reduction Gearbox

Starter

Crankcase

Ice Detector Fitting

Propeller Governor Cover

Oil Filter Cover

Rocker Arms and Valve Servicing Cap

Carburateur

Cylinder Head (Intake Side)

Air Inlet Pressure Regulator

Fuel Injection Manifold

Cooling Deflectors

Extinguisher Connection

Oil Inlet Temperature Sensor

Turning Vanes

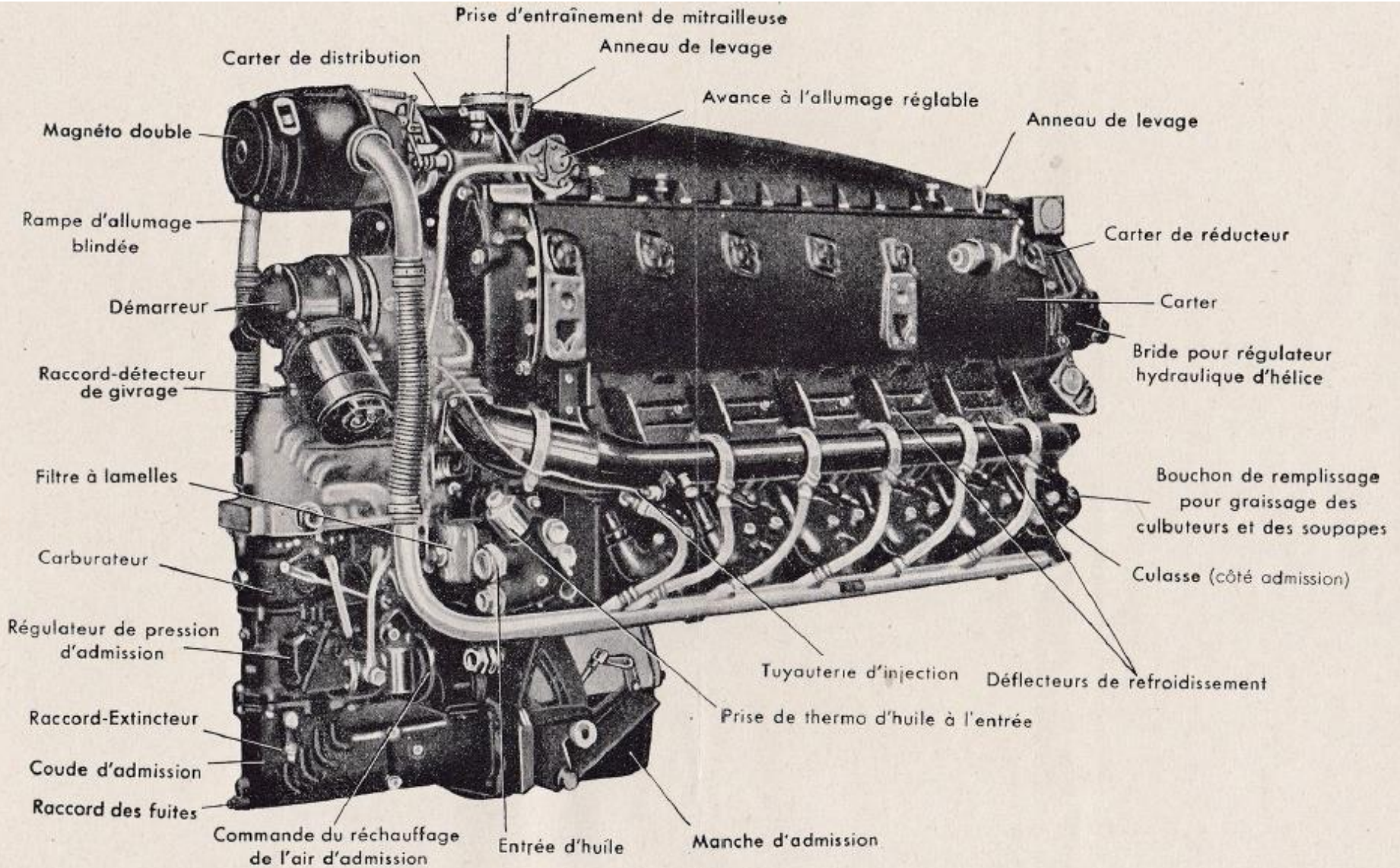
Engine Drain

Carb Air Heat Controller

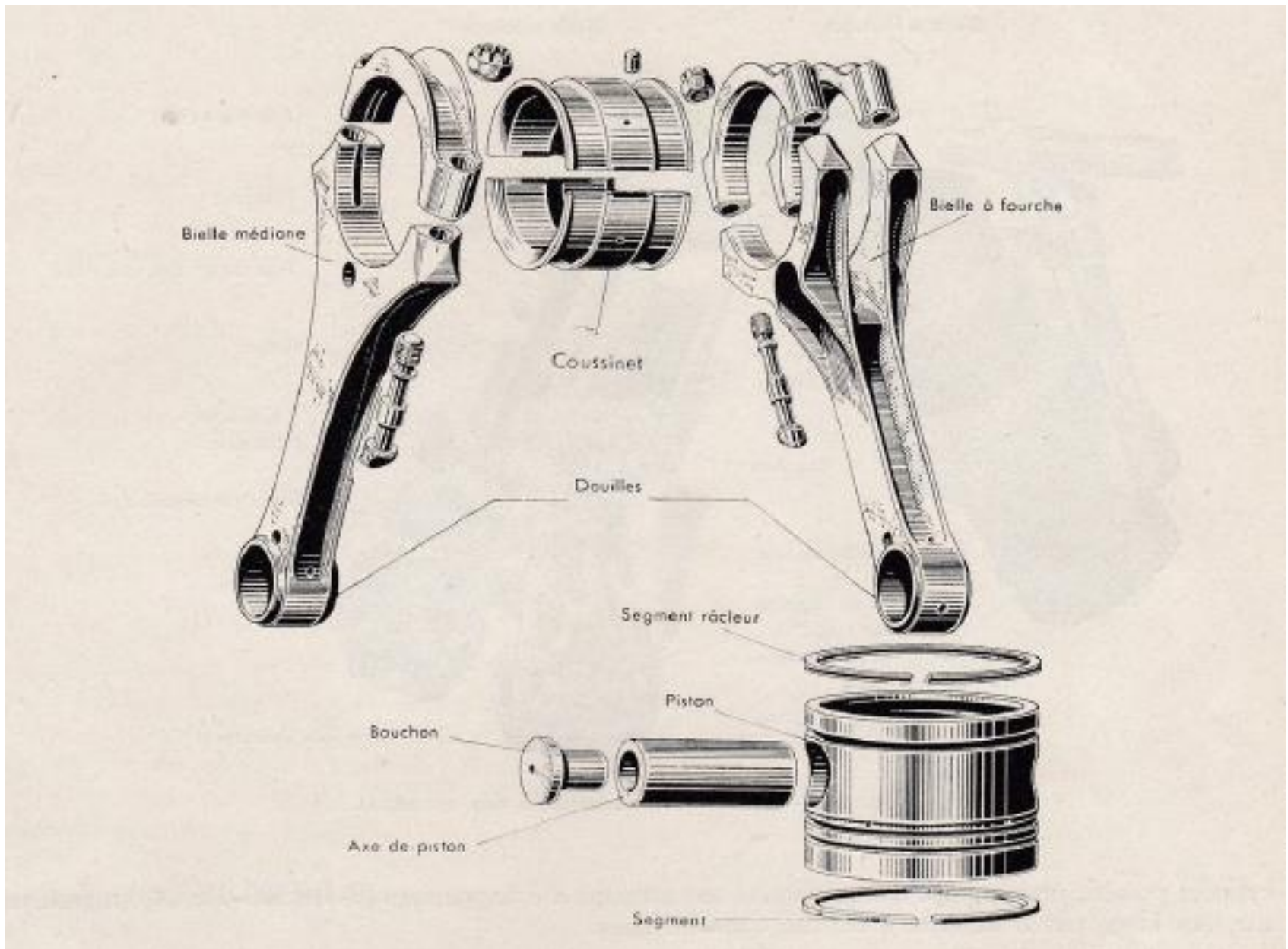
Oil Inlet

Air Intake

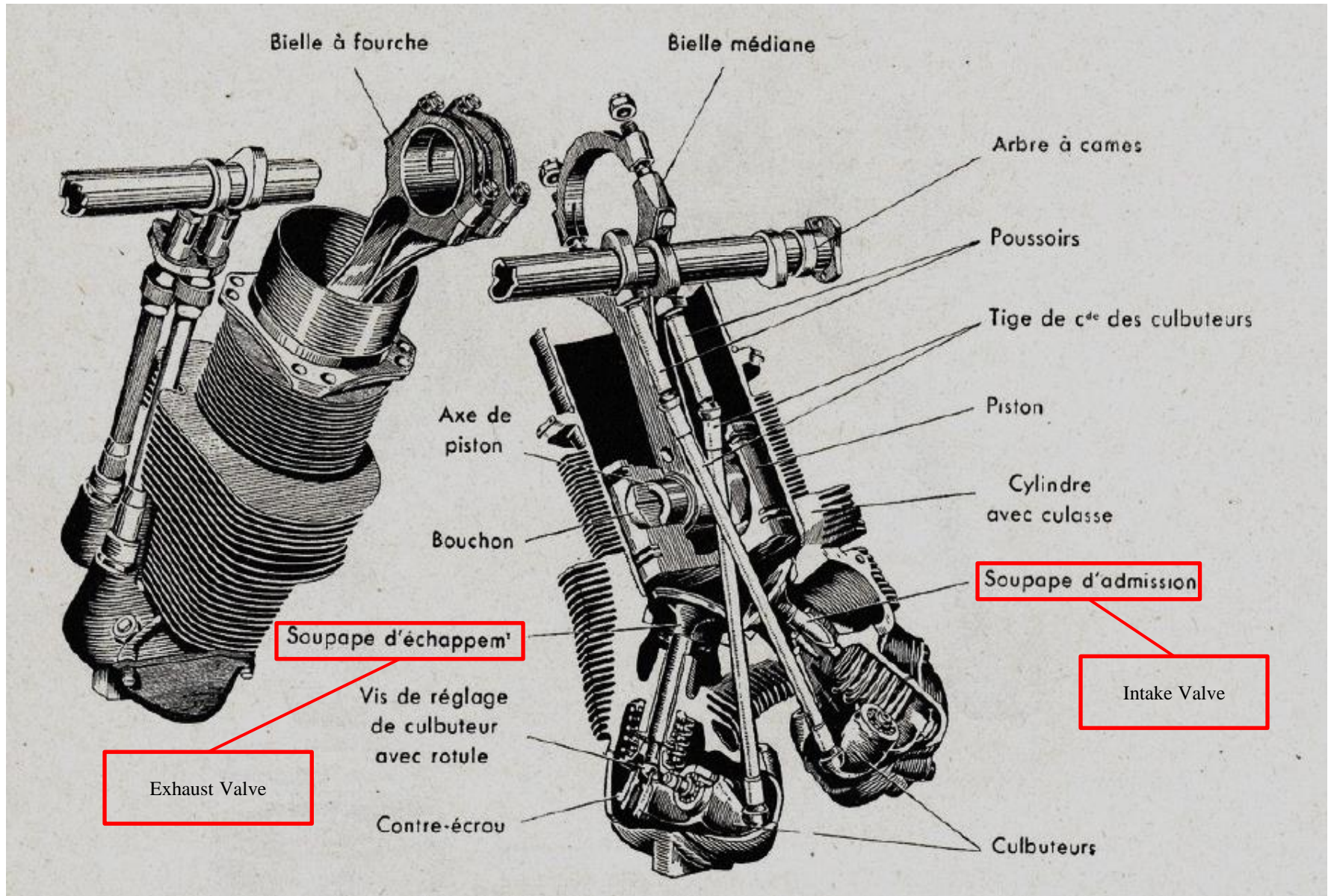
Renault 12S Right Side



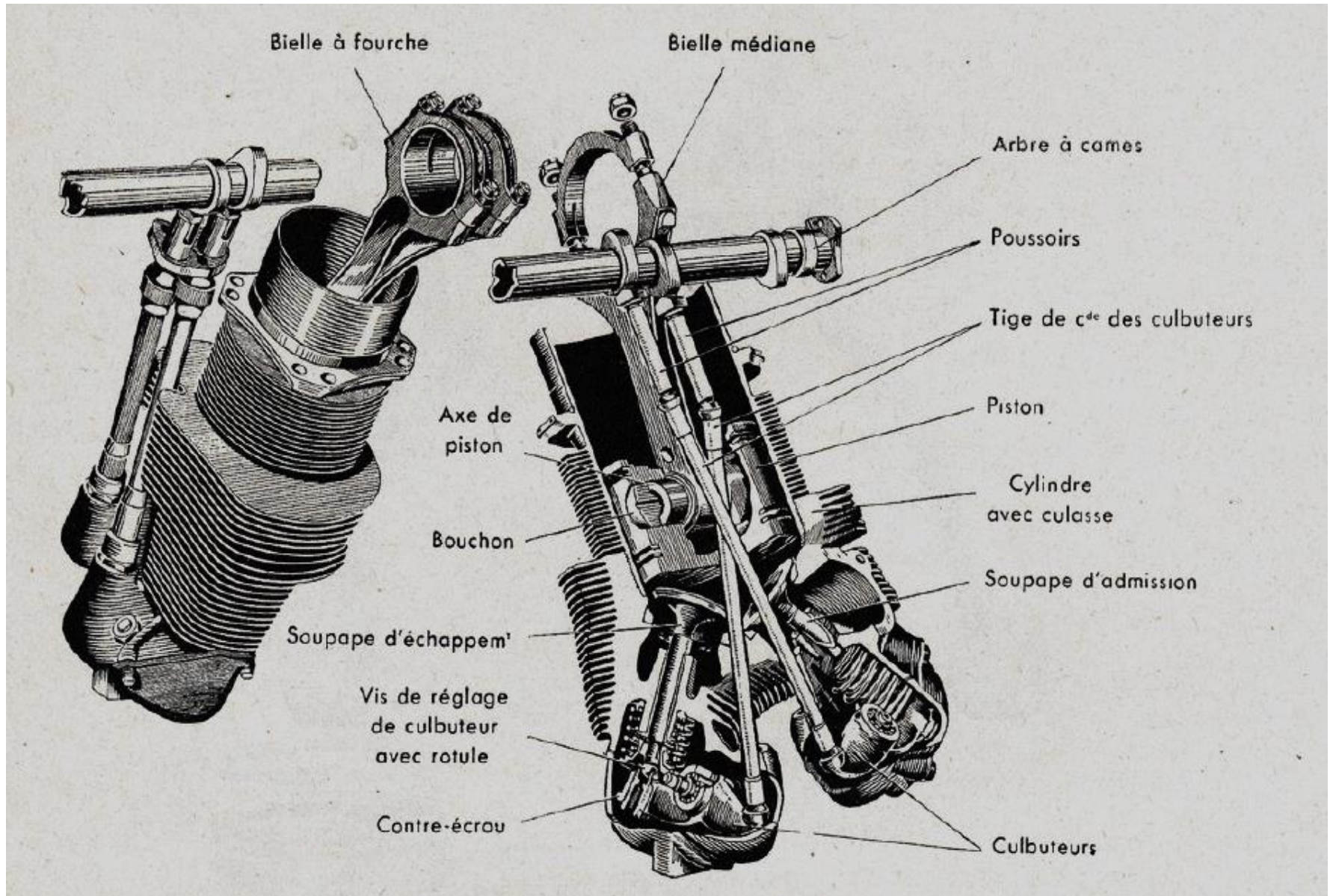
Piston and Connecting Rod Arrangement



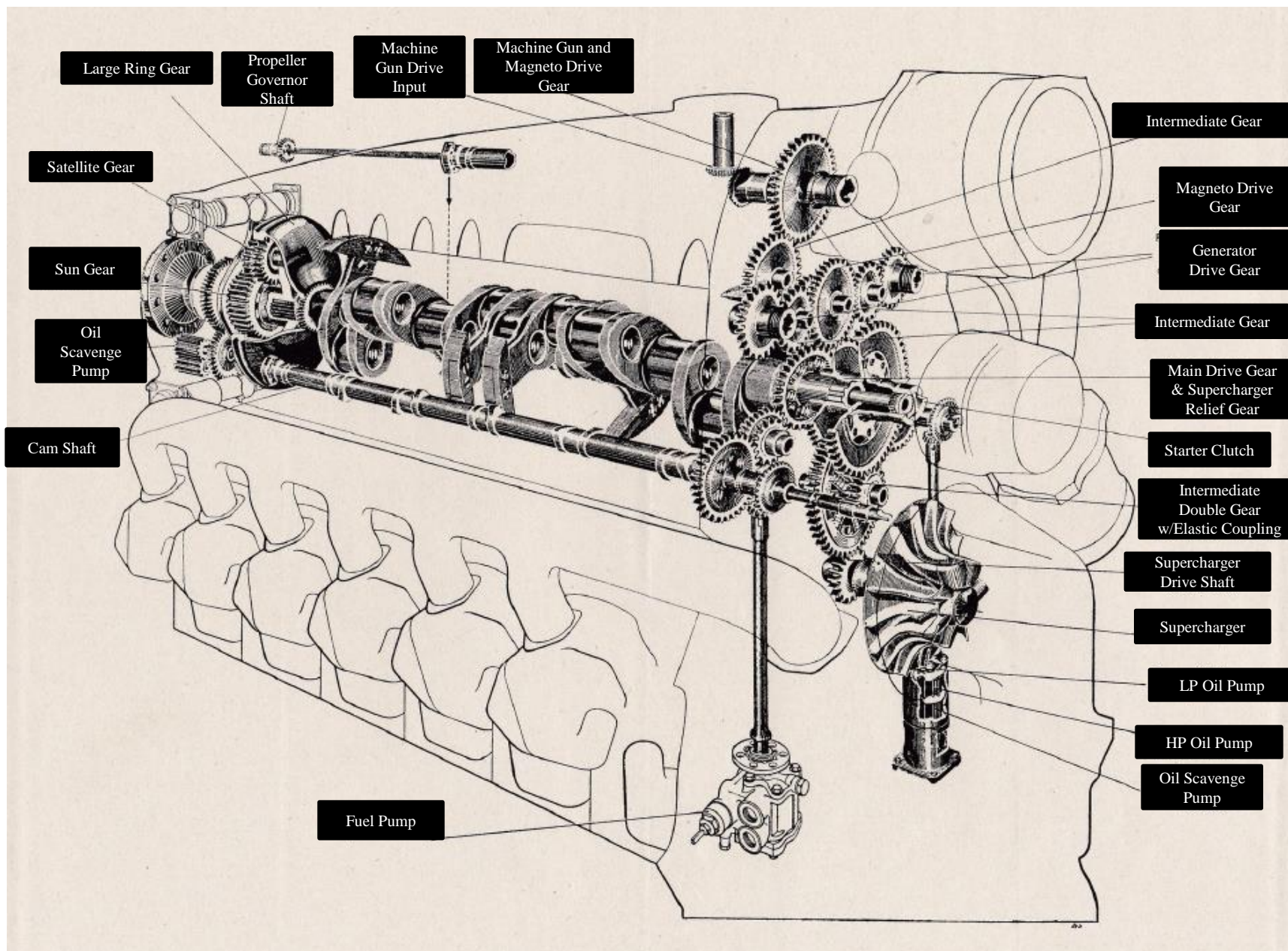
Cylinder



Cylinder



Internal Drive Train



Internal Drive Train

