CAHIER DE COURS

PEUGEOT
Diesel INDENOR

CAHIER DE COURS

PEUGEOT
Diesel INDENOR

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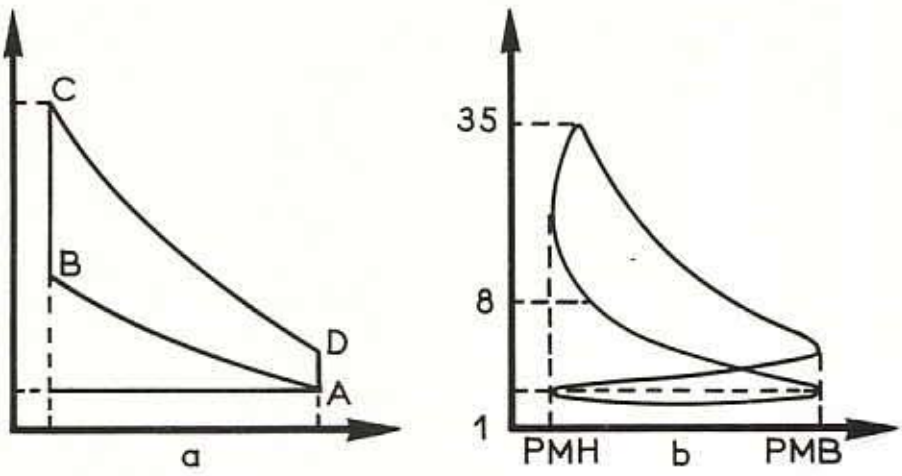
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8
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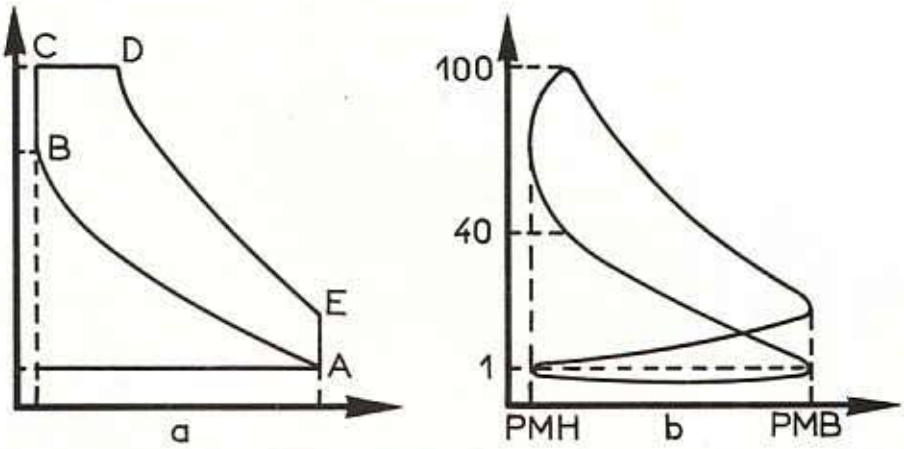
PMB

B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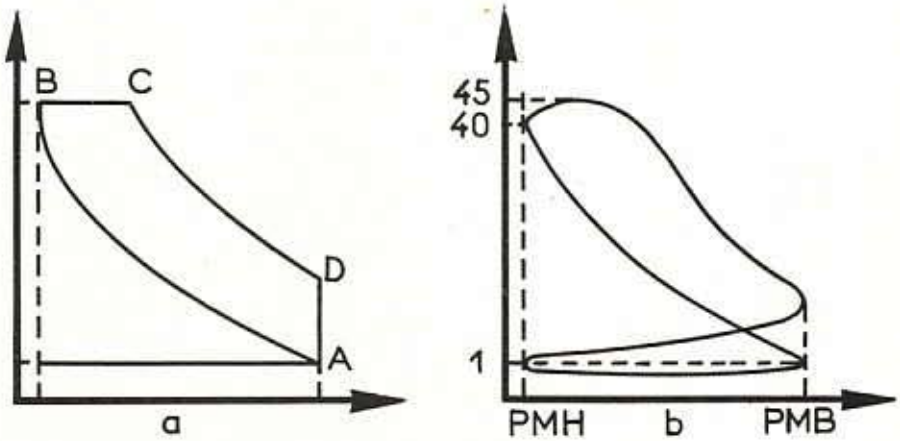
PMB

C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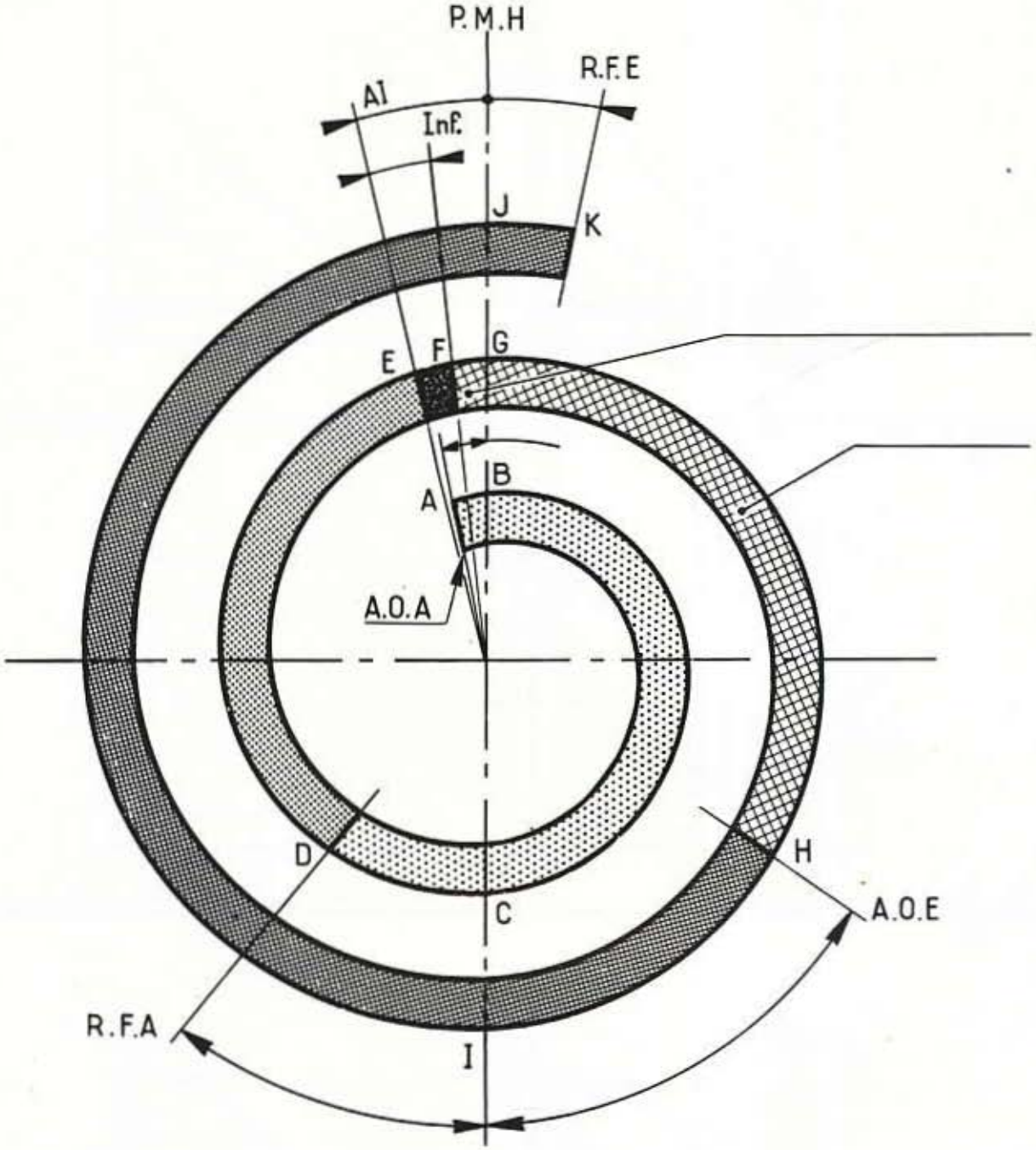
PMB

A

B

C


P.M.H
R.F.E
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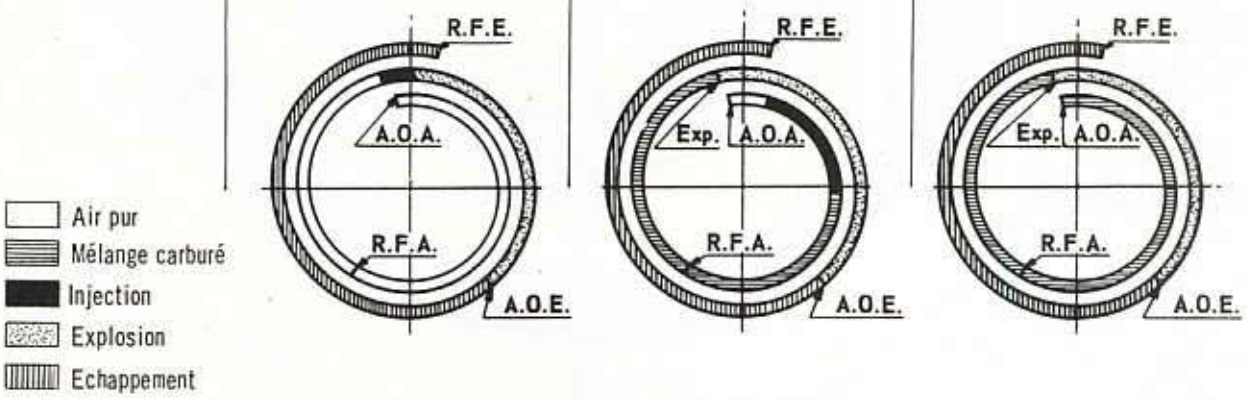
I

DIAGRAMME REEL DU CYCLE

TMD - XDP - XD 85	XD 88
A.O.A. (A-B)	A.O.A. (A-B)
A-D	A-D-
R.F.A. (C-D)	R.F.A. (C-D)
D-E	D-E
E-F	E-F
AI (E-G)	AI (E-G)
F-H	F-H
A.O.E. (H-I)	A.O.E. (H-I)
H-K	H-K
R.F.E (J-K)	R.F.E. (J-K)

TABLEAU COMPARATIF

Cycle	Diesel	Injection d'essence	Carburateur
ADMISSION	Aspiration d'air seul	Aspiration d'air seul. Injection de carburant pendant l'aspiration d'air	Aspiration du mélange air-essence dosé par le carburateur
COMPRESSION	Très forte compression de l'air. Rapport 21/1. Température 600° C.	Forte compression du mélange. Rapport 8,8/1. Température 380° C.	Compression du mélange. Rapport 7,4/1. Température 300° C
En fin de course	Injection du combustible qui s'enflamme spontanément	Allumage du mélange par étincelle de la bougie	
TEMPS MOTEUR	Combustion et détente	Explosion et détente	
ECHAPPEMENT	Evacuation des gaz brûlés		



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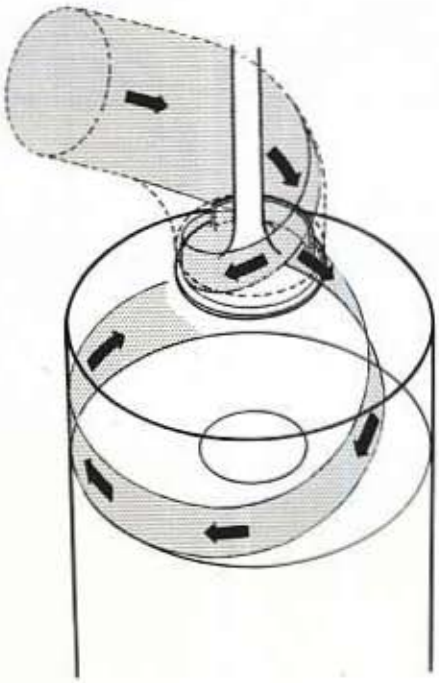

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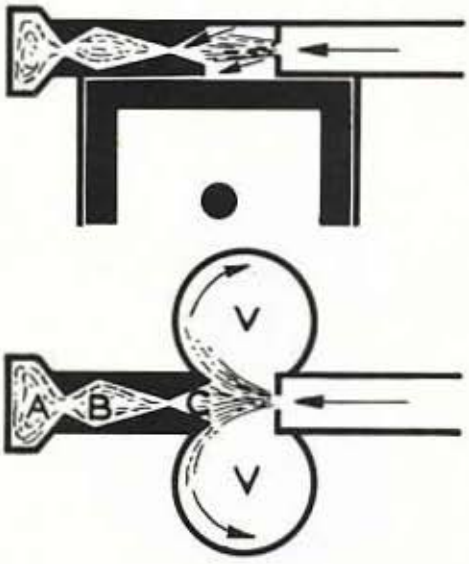

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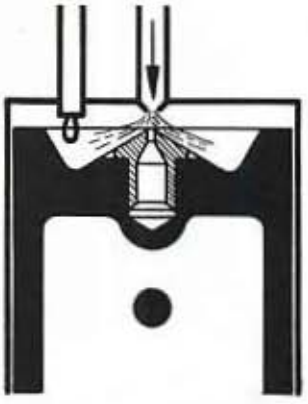

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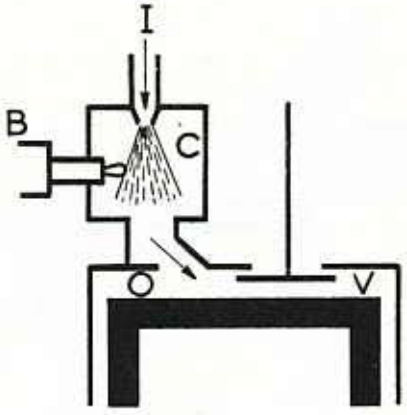

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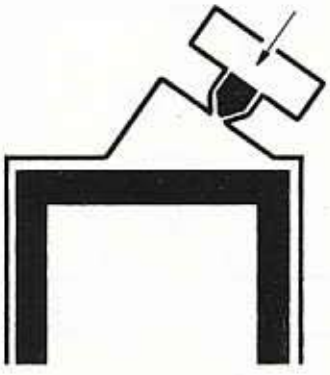

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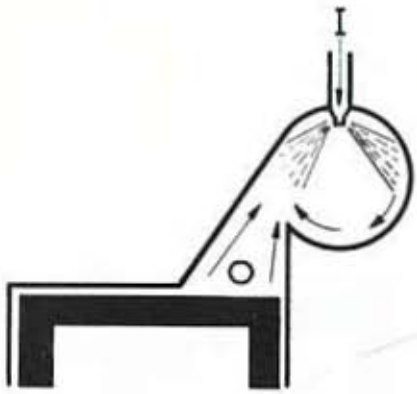

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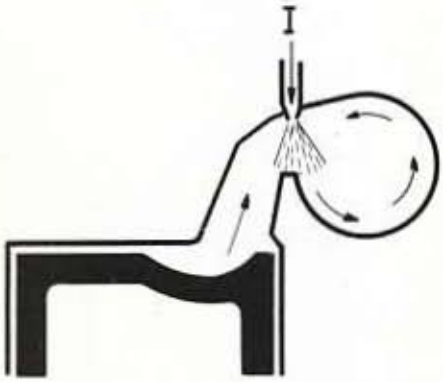

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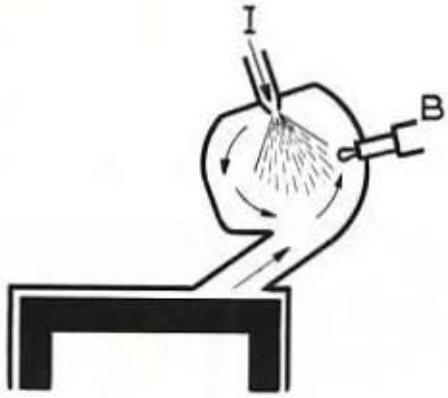

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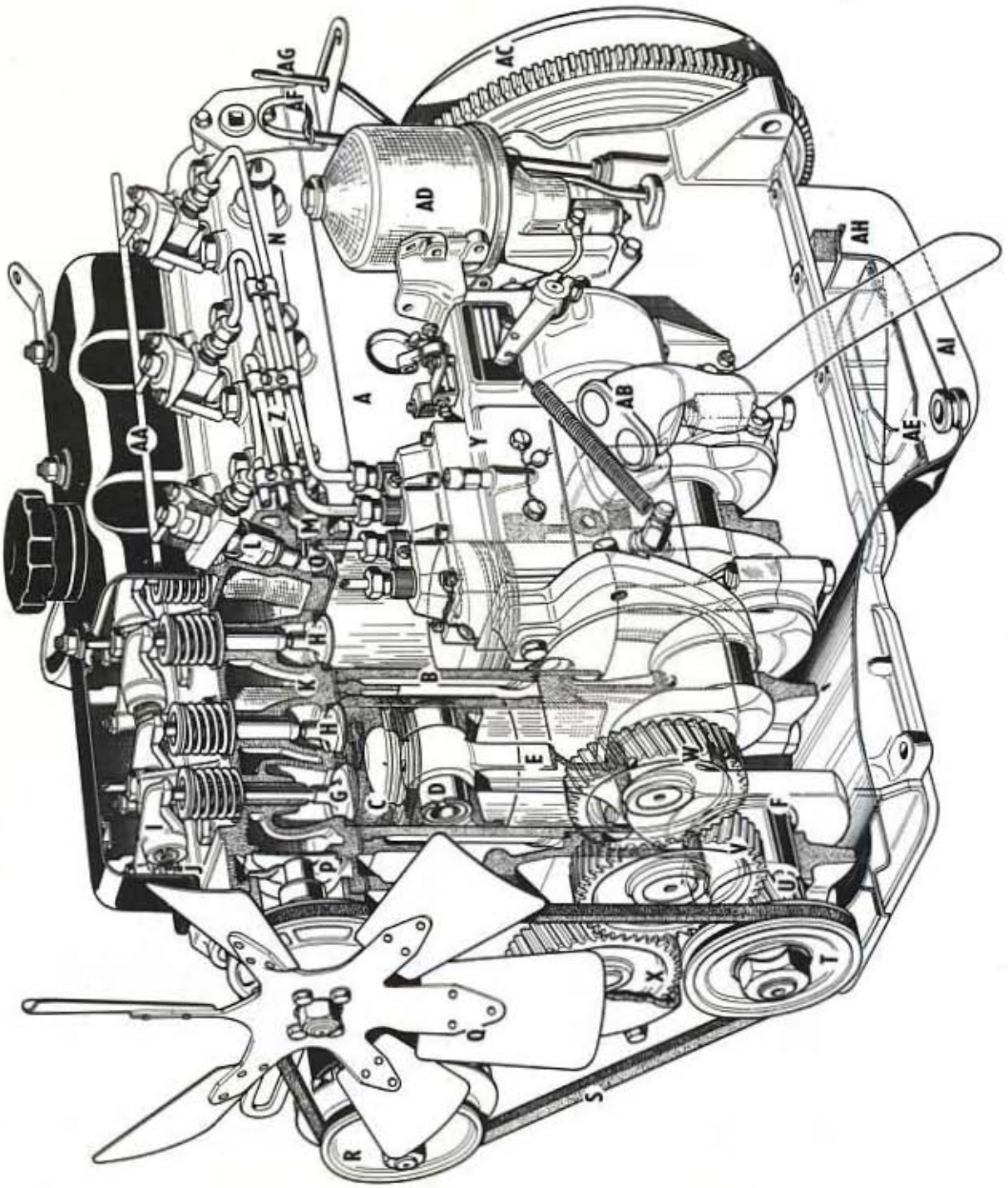
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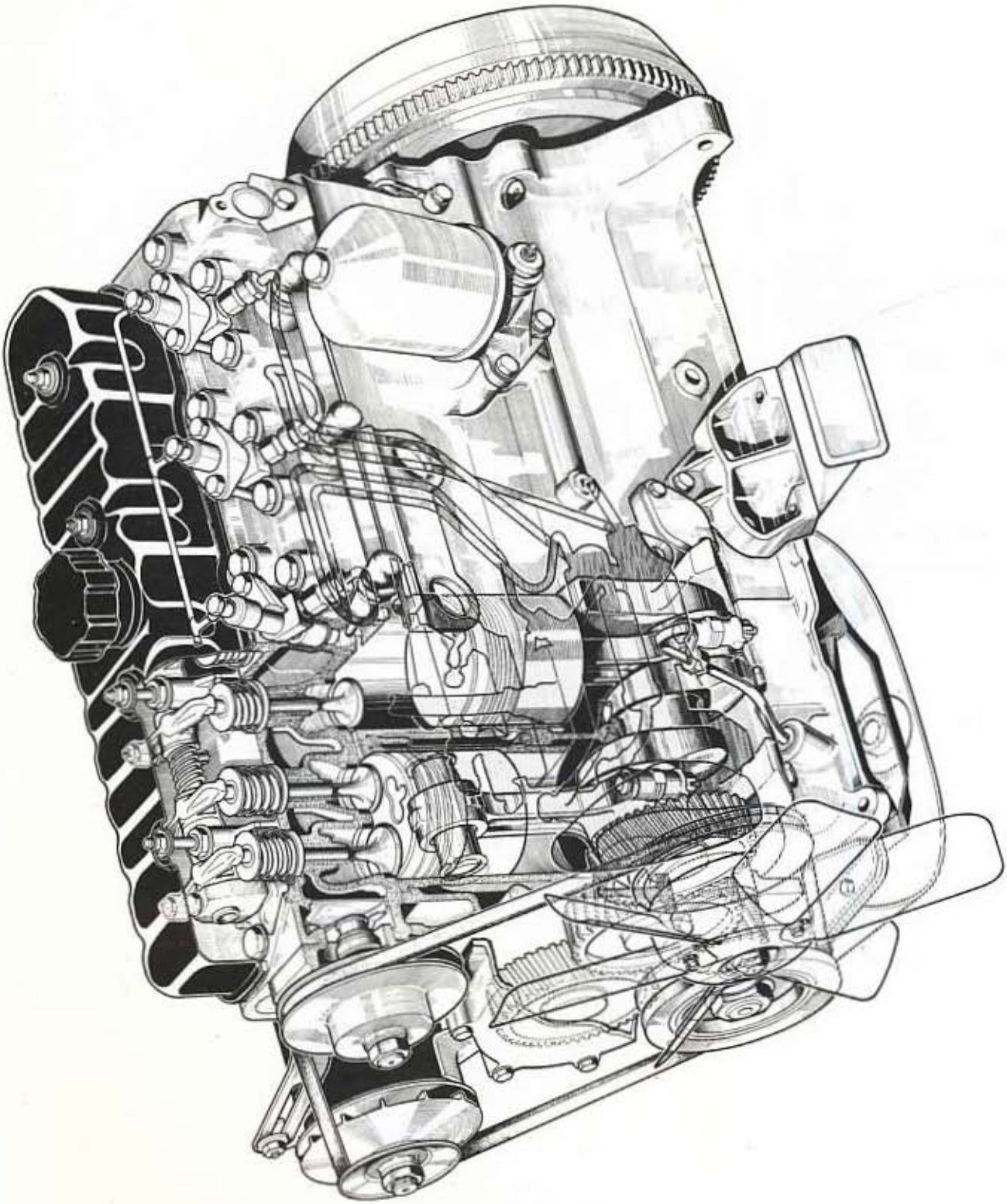

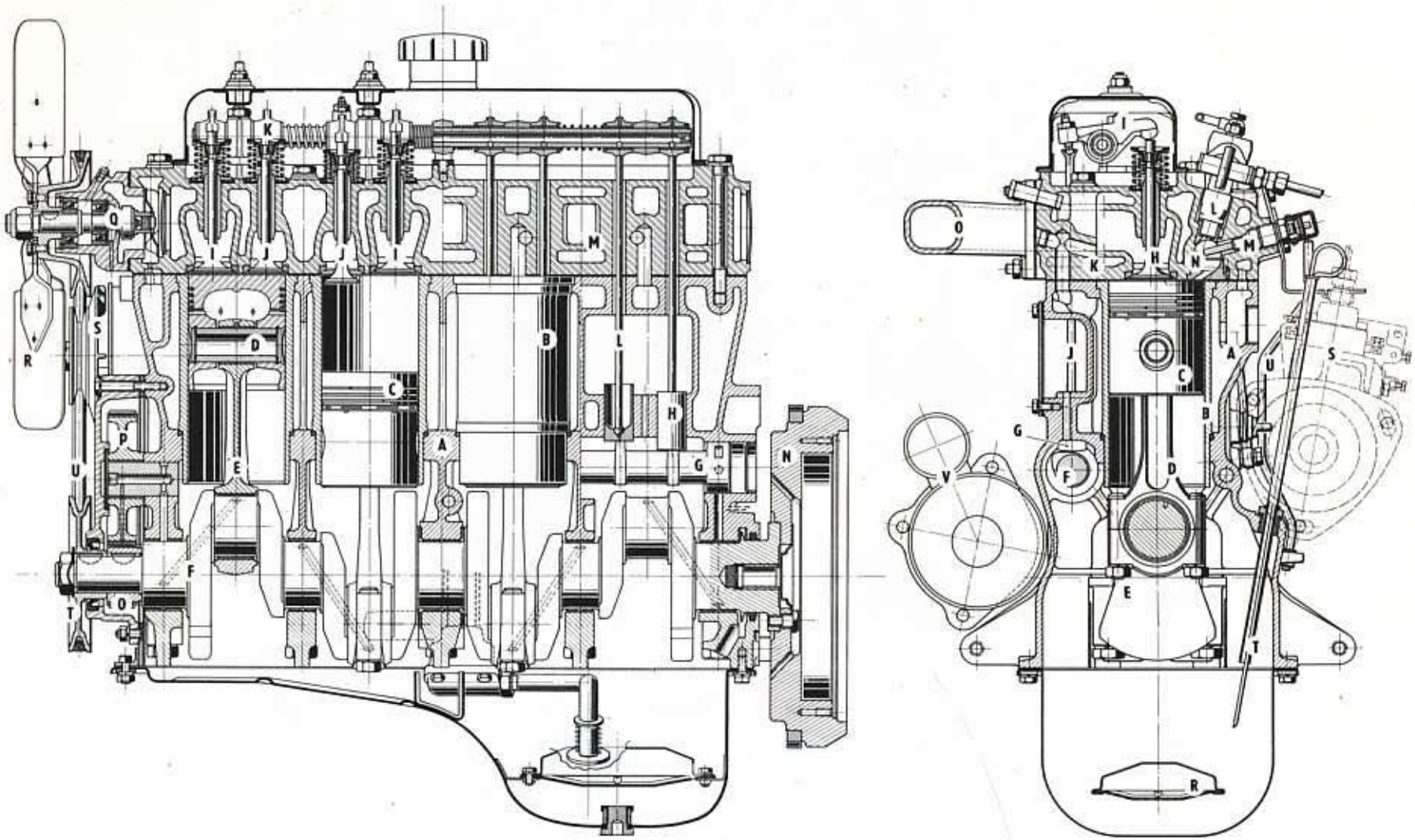
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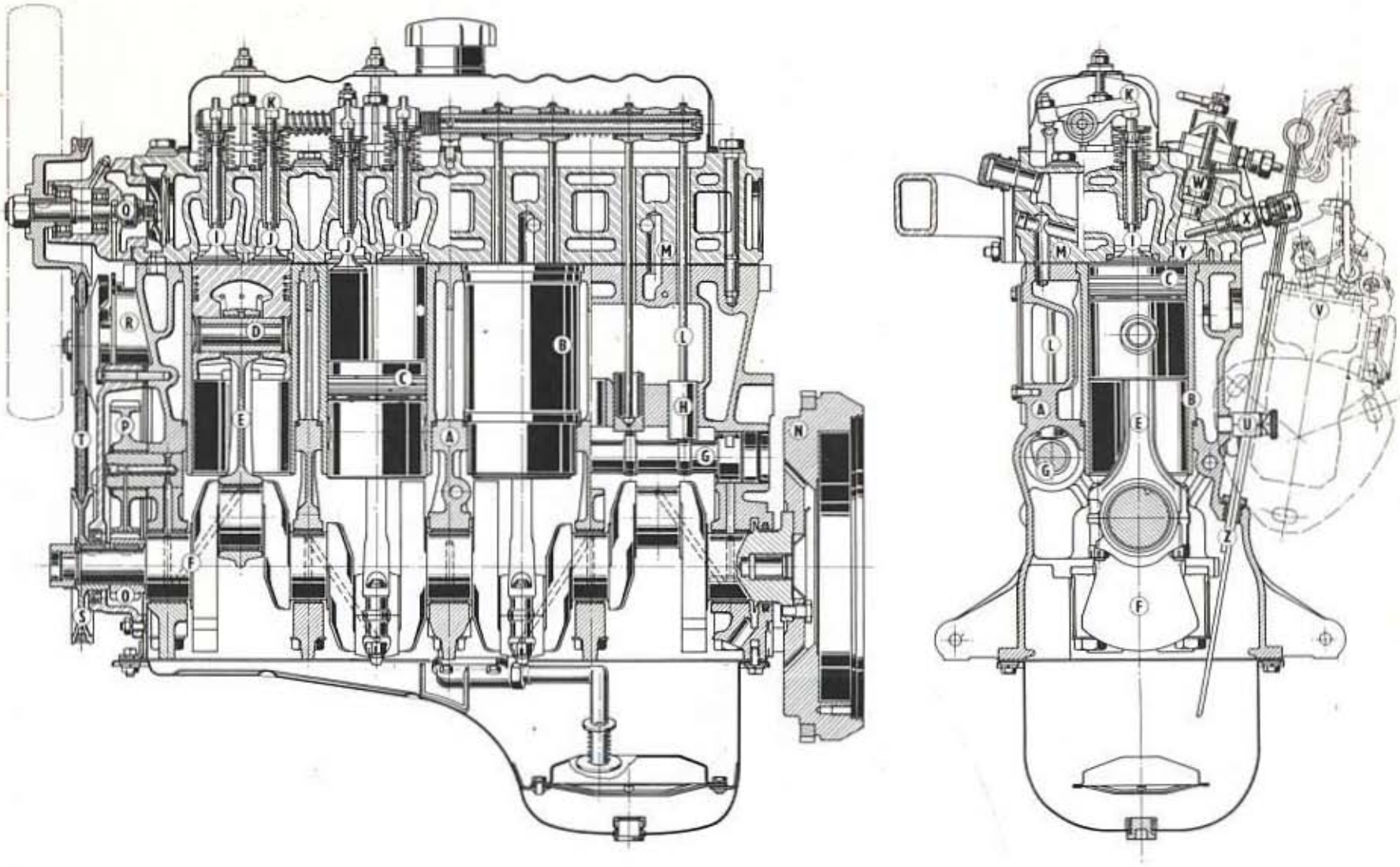
XDP 85



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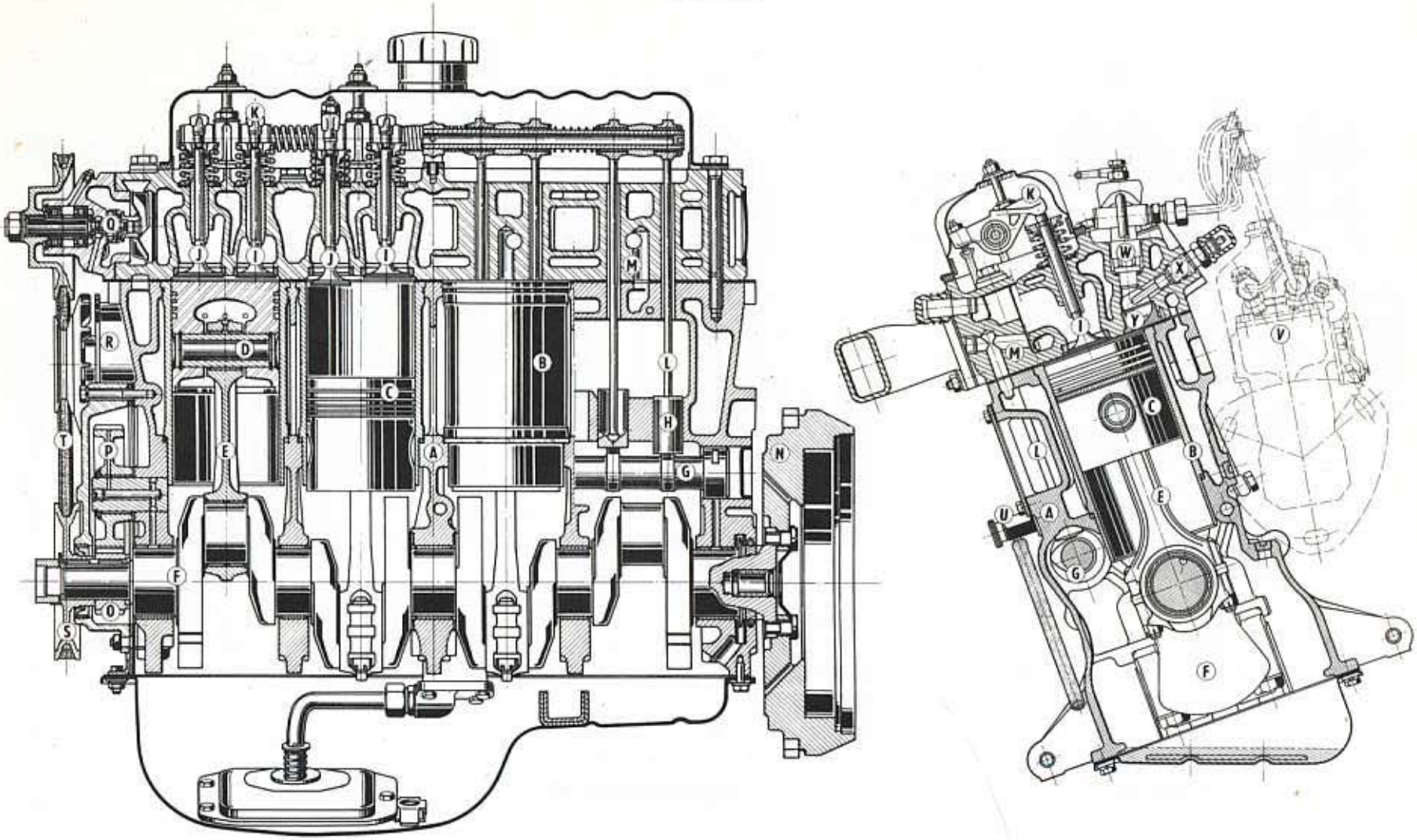
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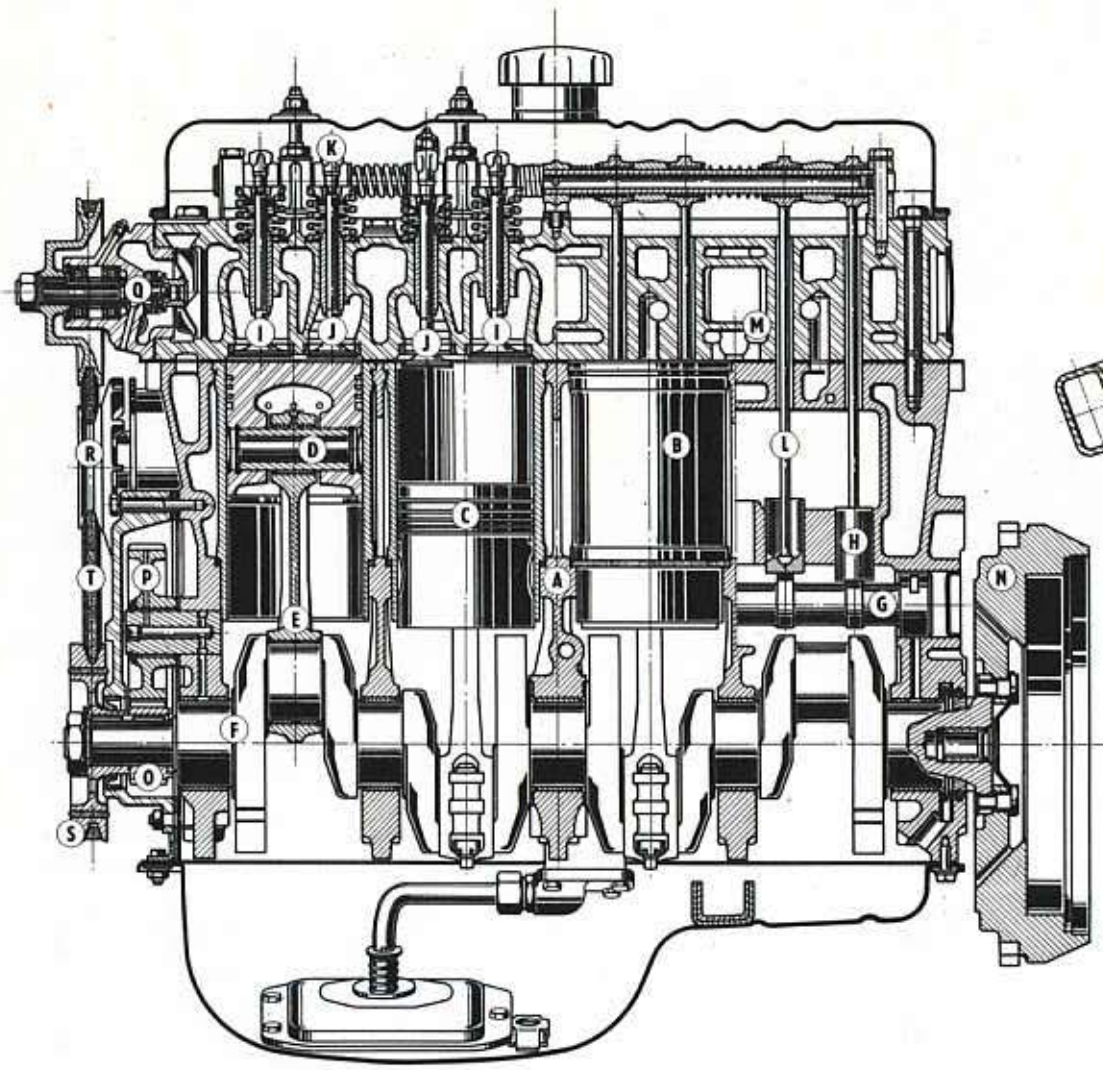
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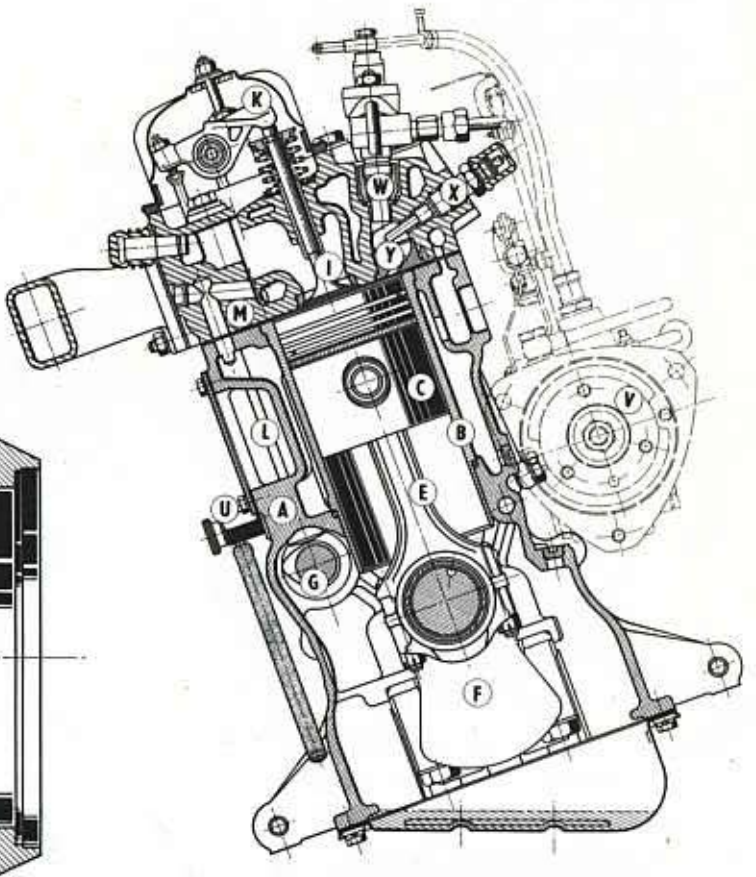
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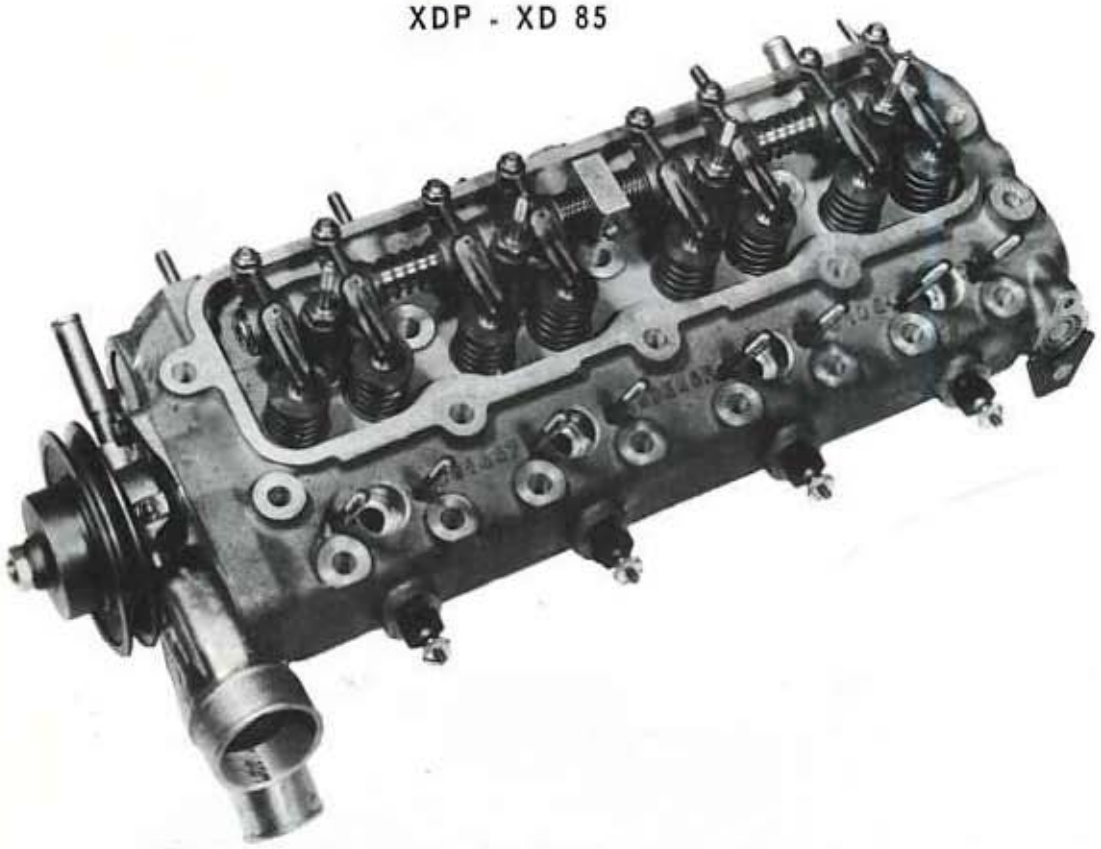
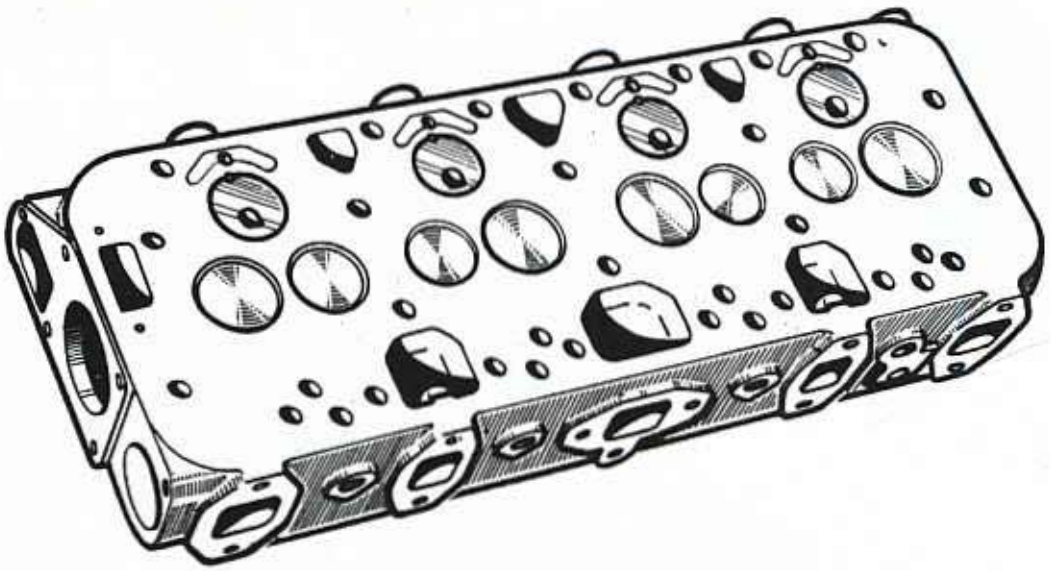
XDP - XD 85



XD 88

XD 88

TMD - XD - XDP 85



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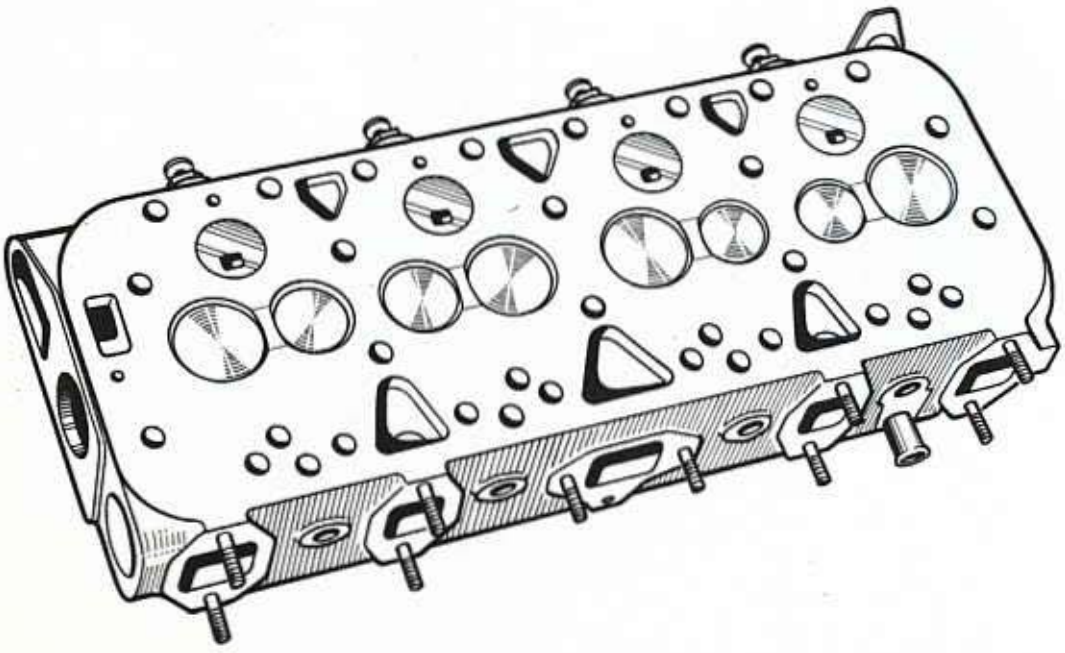

XD 88

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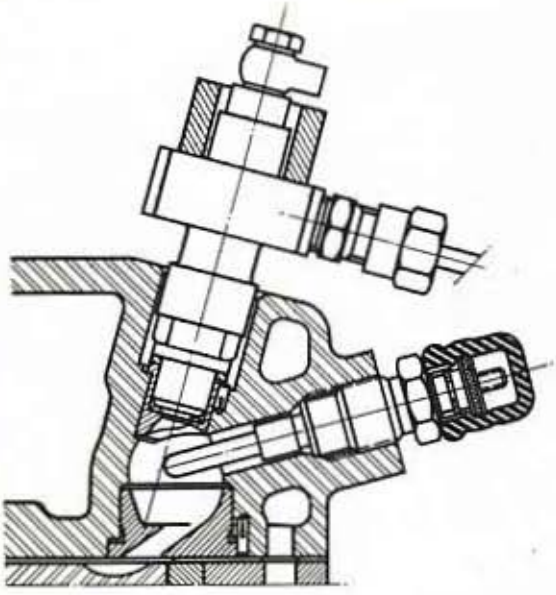
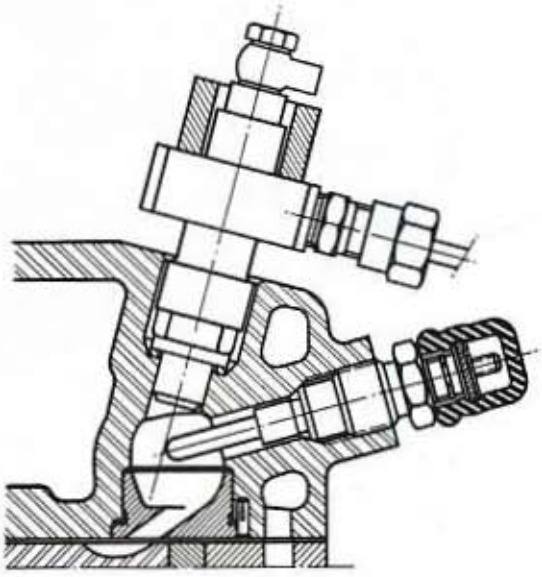


XDP 85 - XD 85



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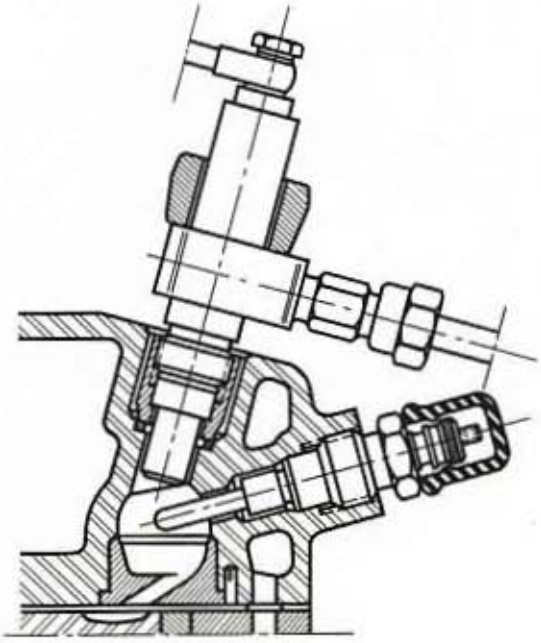
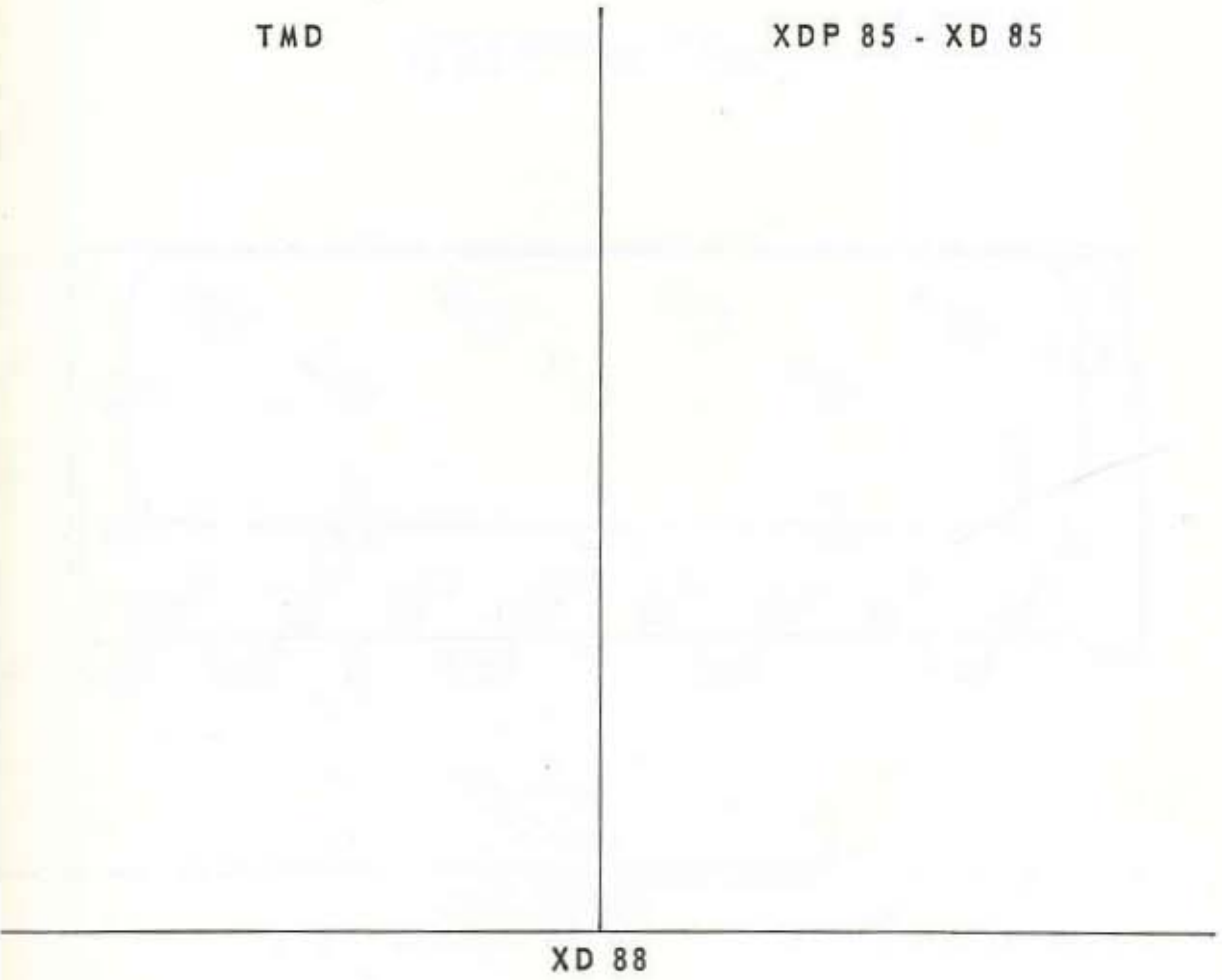
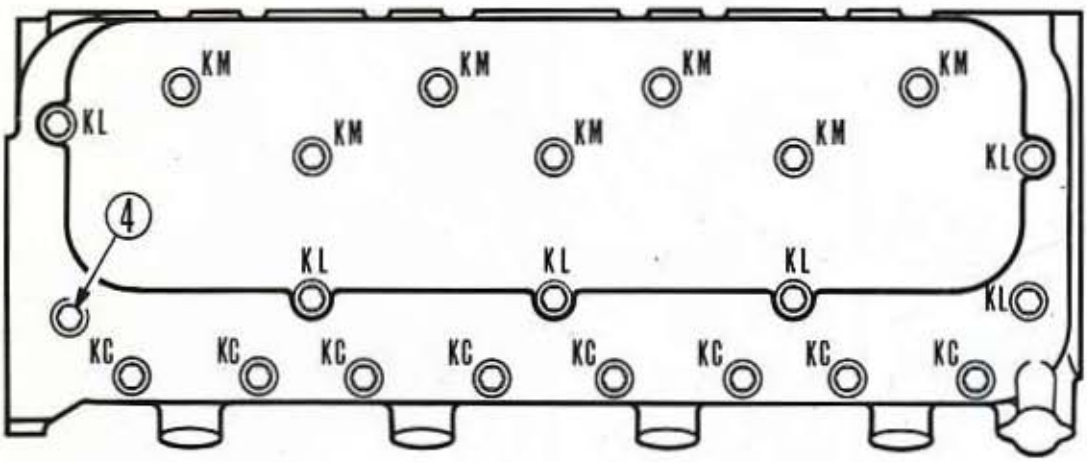



TMD
XDP 85 - XD 85
XD 88

TMD - XDP - XD 85



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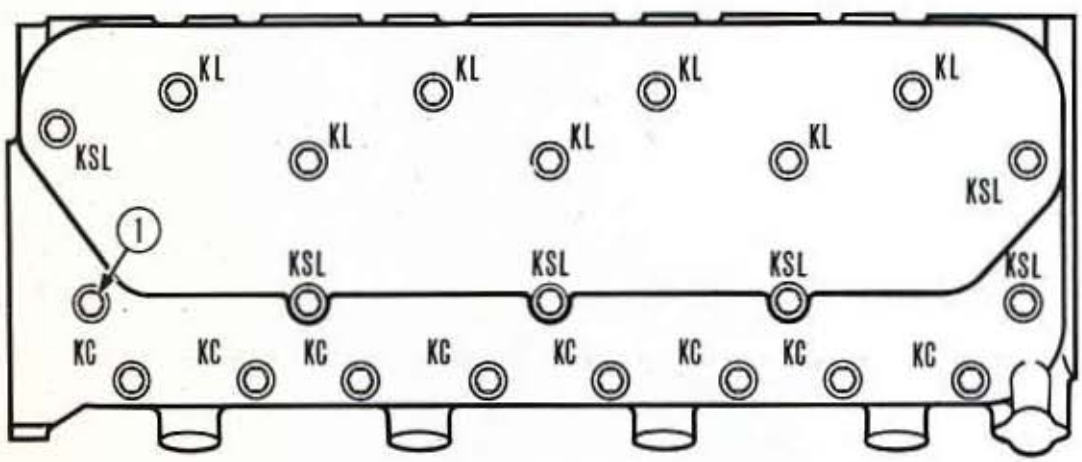

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KL

KM

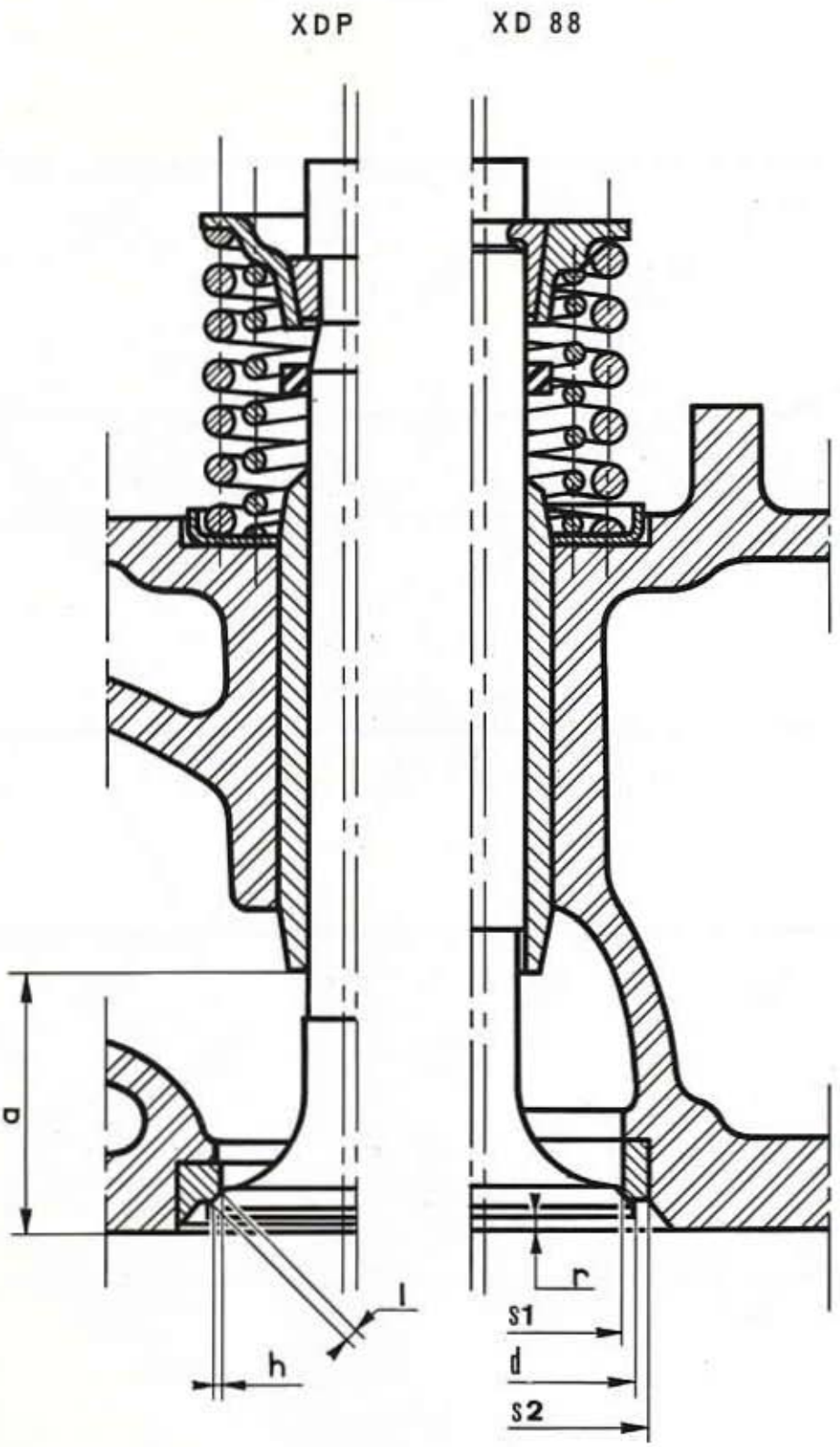
KC

XD 88

KSL

KL

KC


XDP
XD 88
a
l
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S1
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S2

TMD XDP - XD 85	XD 88
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s 1	s 1
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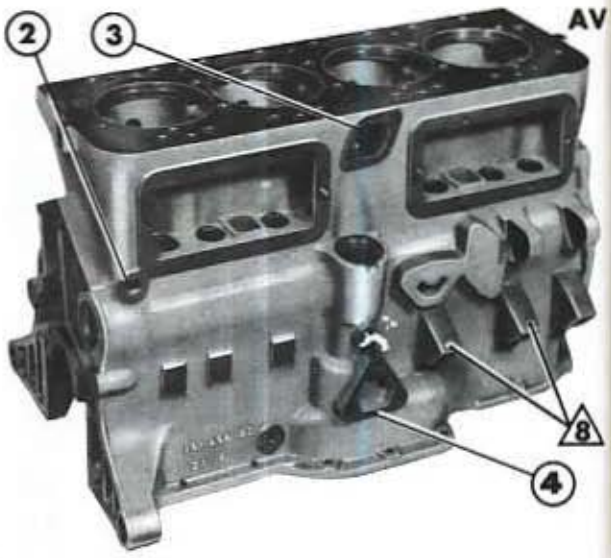
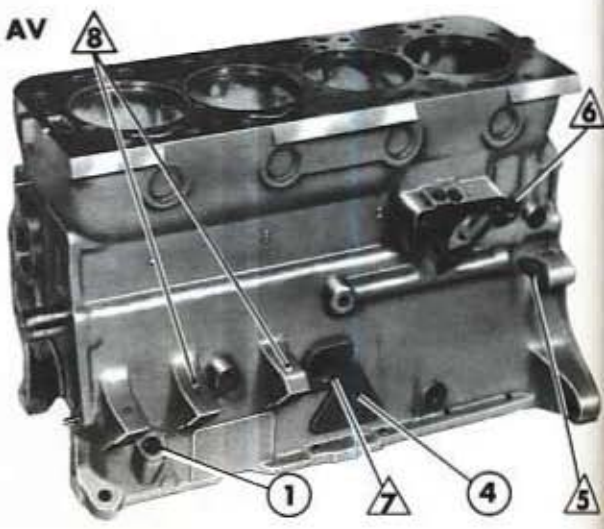
s 2	s 2

TMD 85

XDP - XD 85





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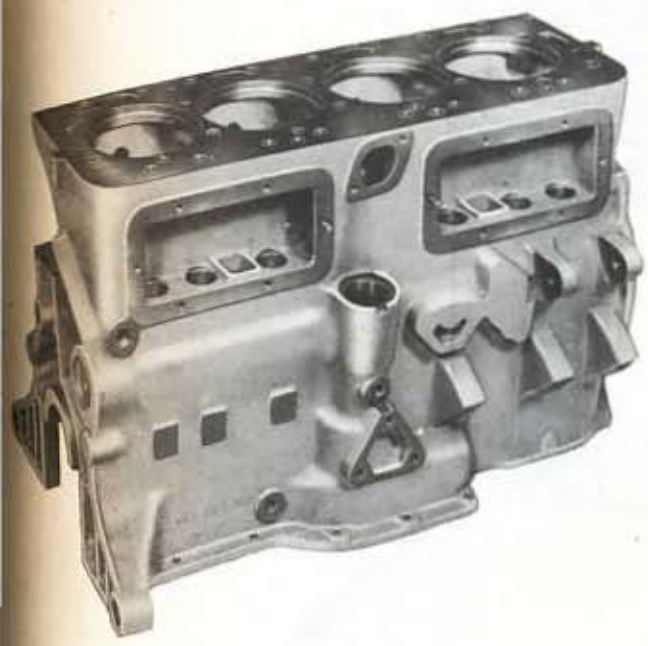
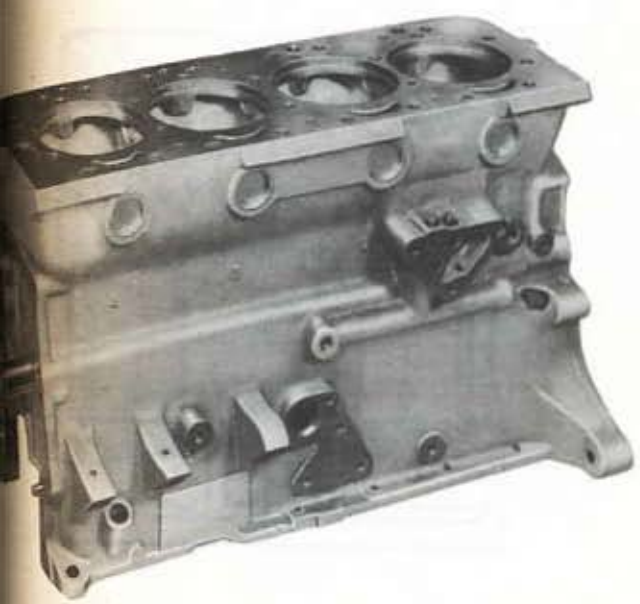


TMD 85

XDP - XD 85

XD 88



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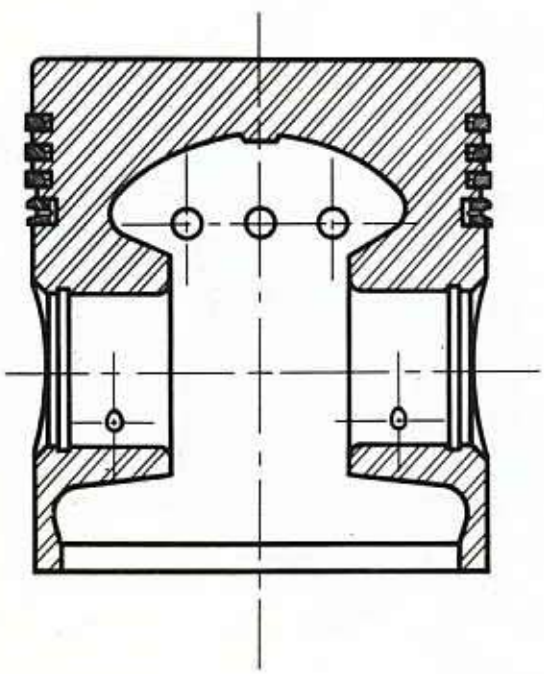
XD 85



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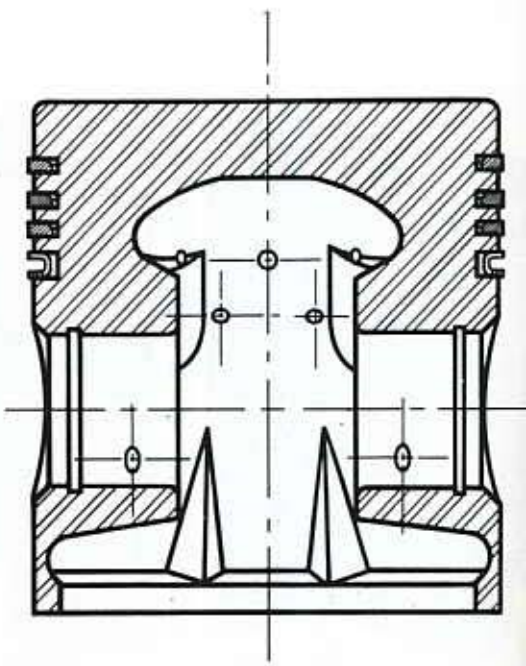

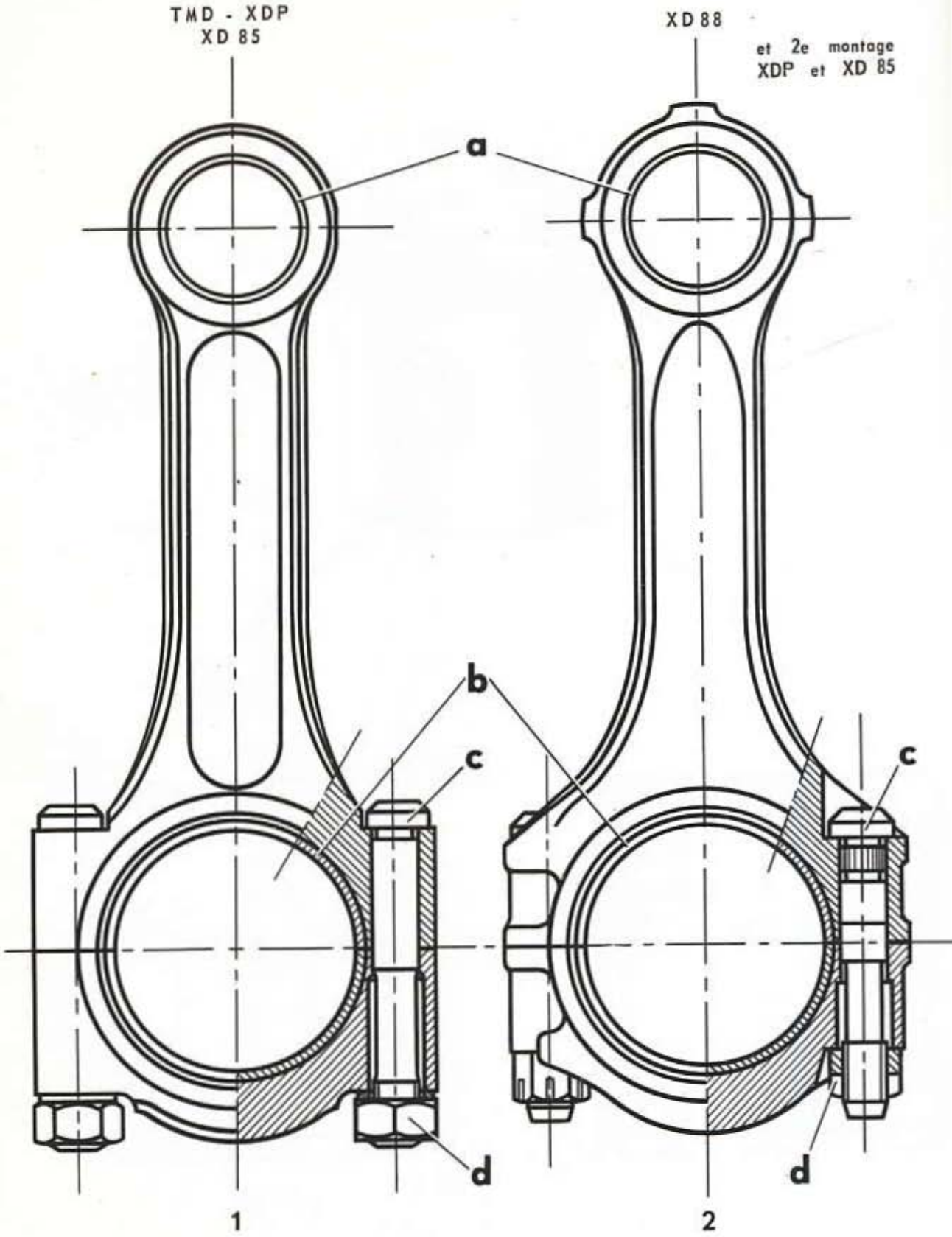
TMD - XDP
XD 85
XD 88
et 2e montage
XDP et XD 85
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TMD - XDP - XD 85

XD 88

a1

a2

b1

b2

c1

c2

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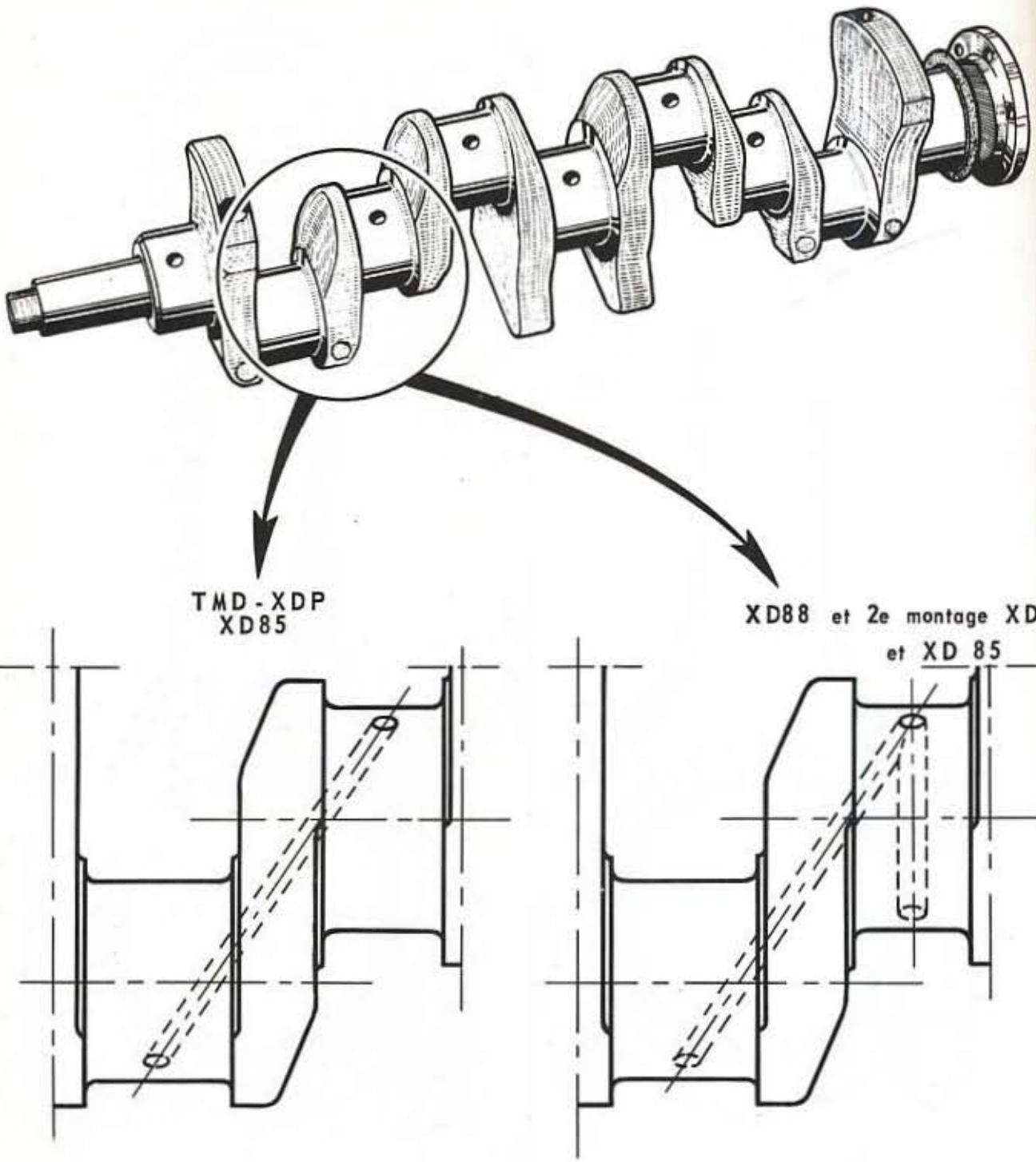
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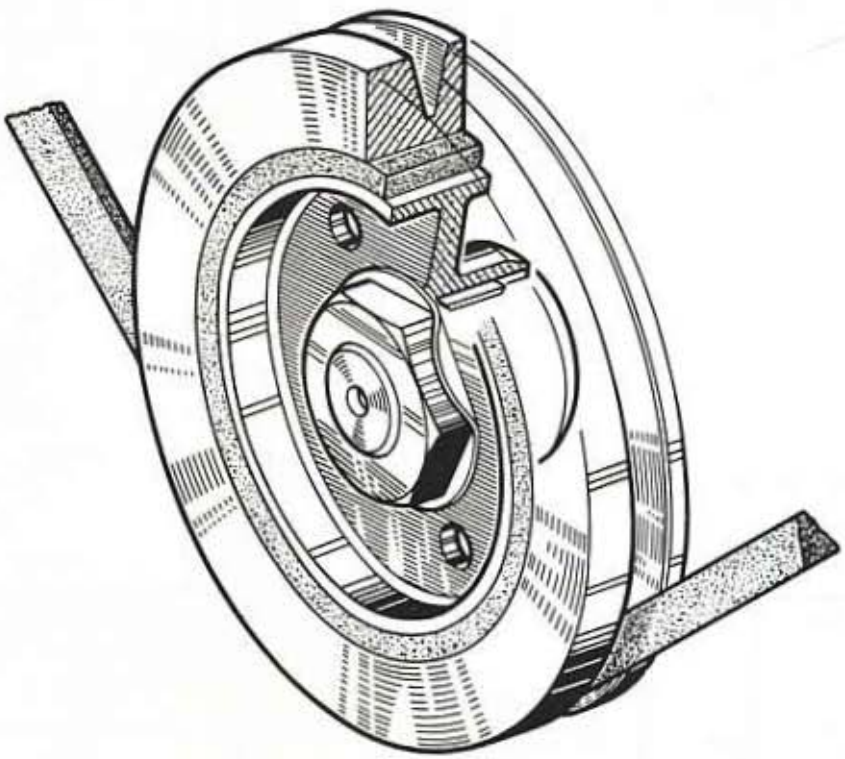
et XD 85



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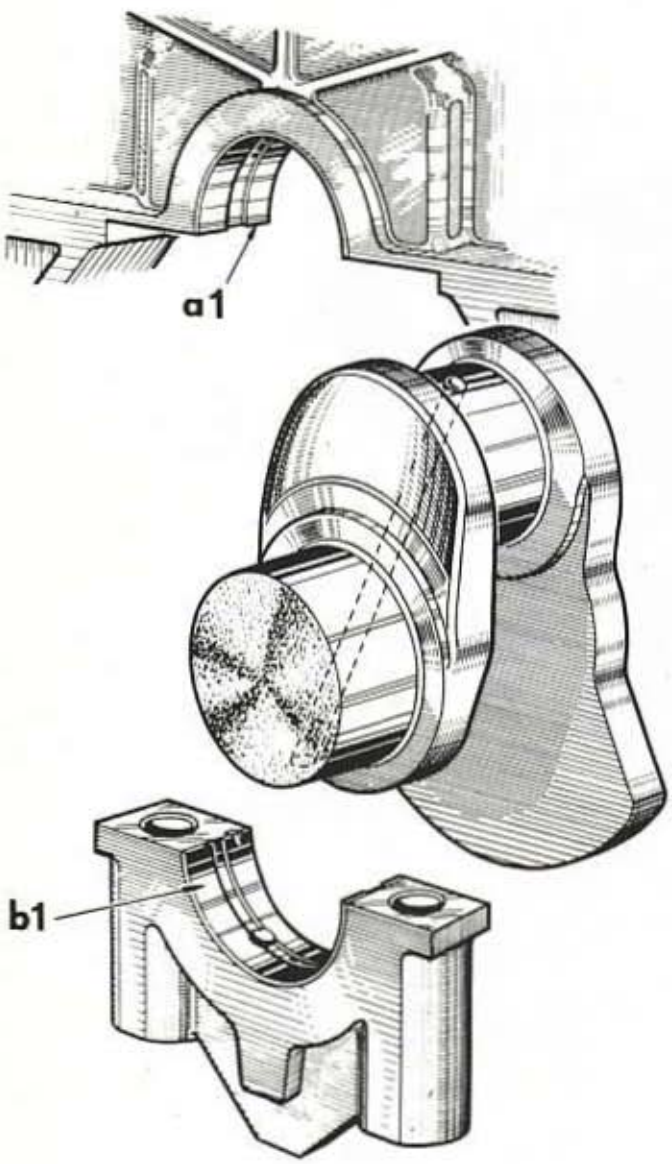

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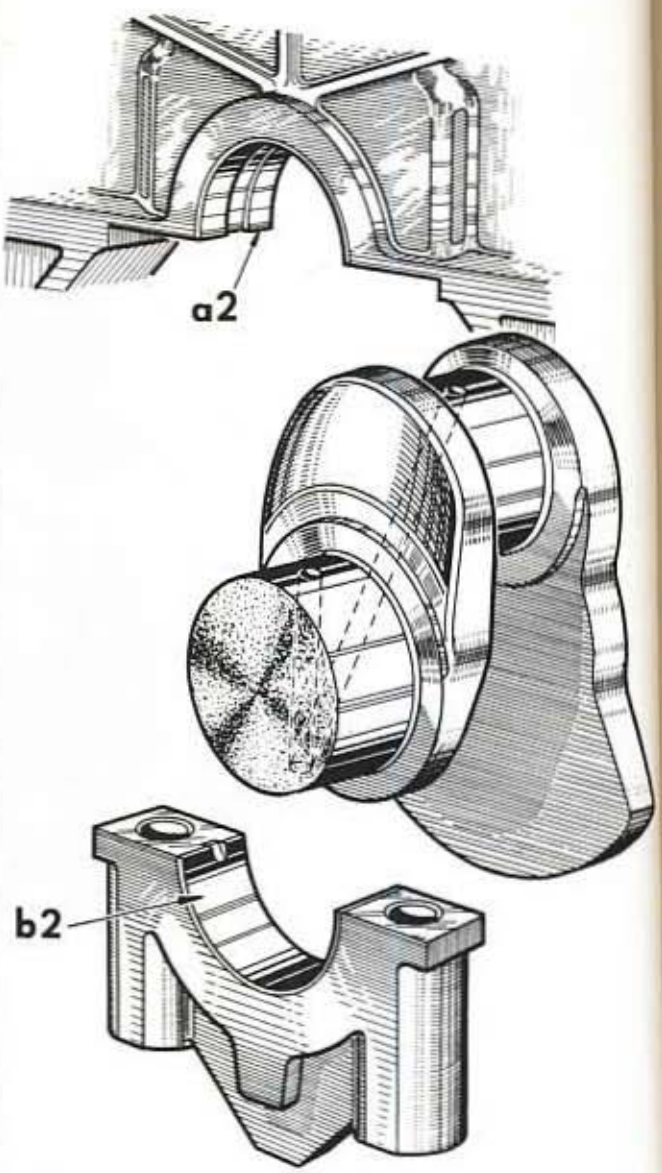

TMD - XDP - XD 85

XD 88

a 1

a 2

b1

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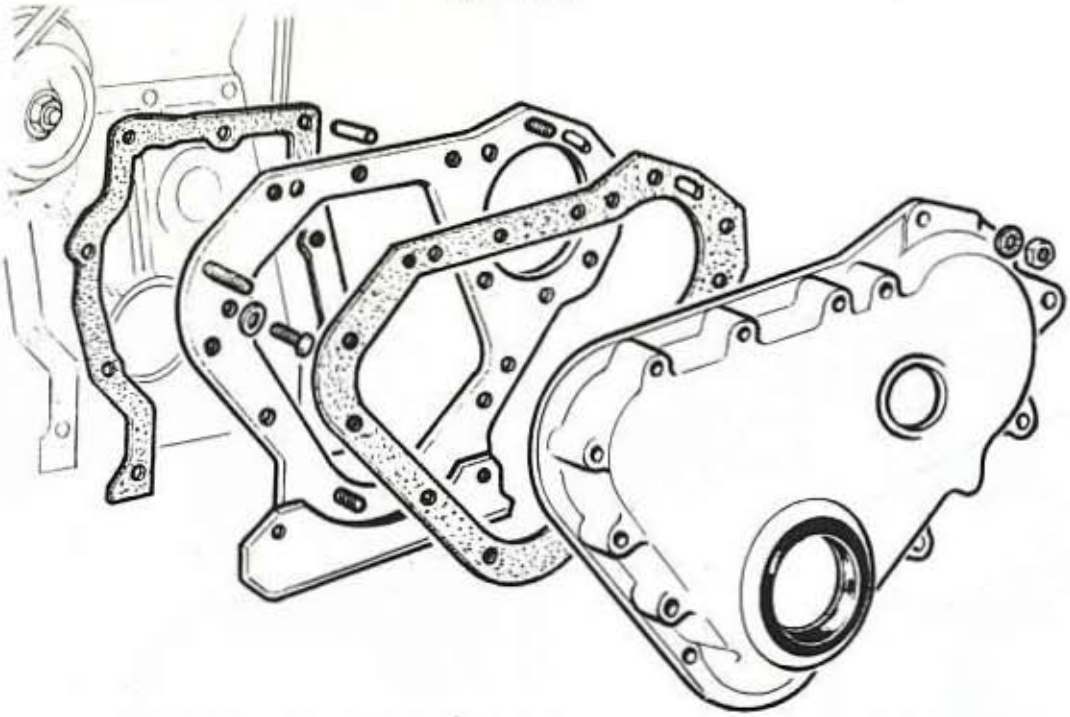
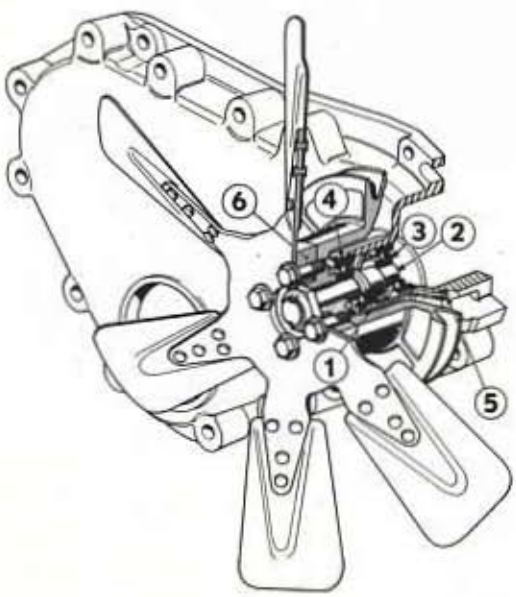
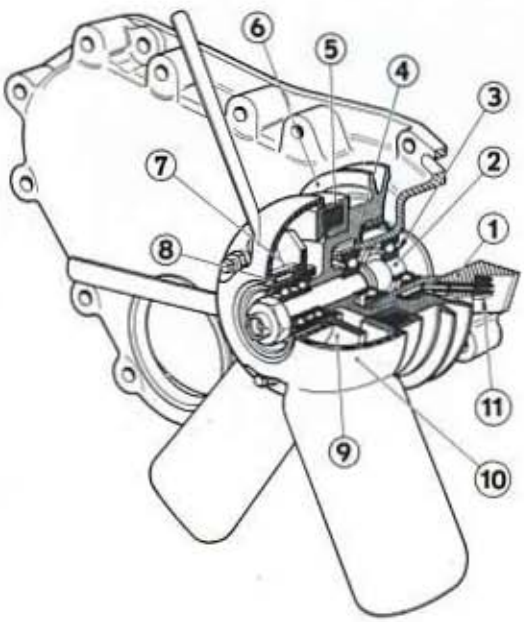
TMD - XDP



XD 85



XD 88



XD 85	XD 88
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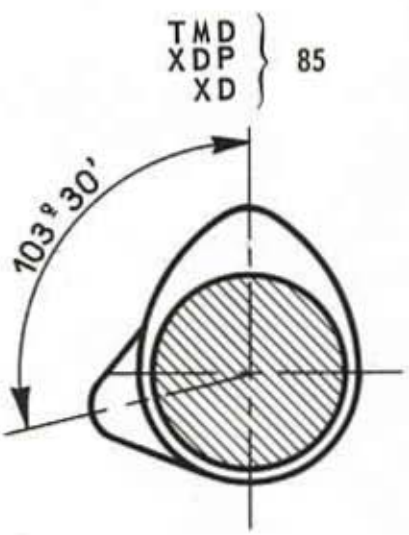
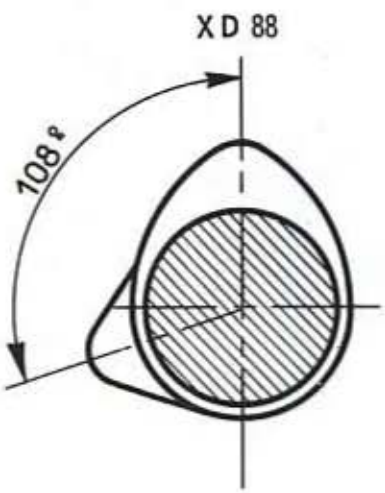
TMD - XDP - XD 85



XD 88



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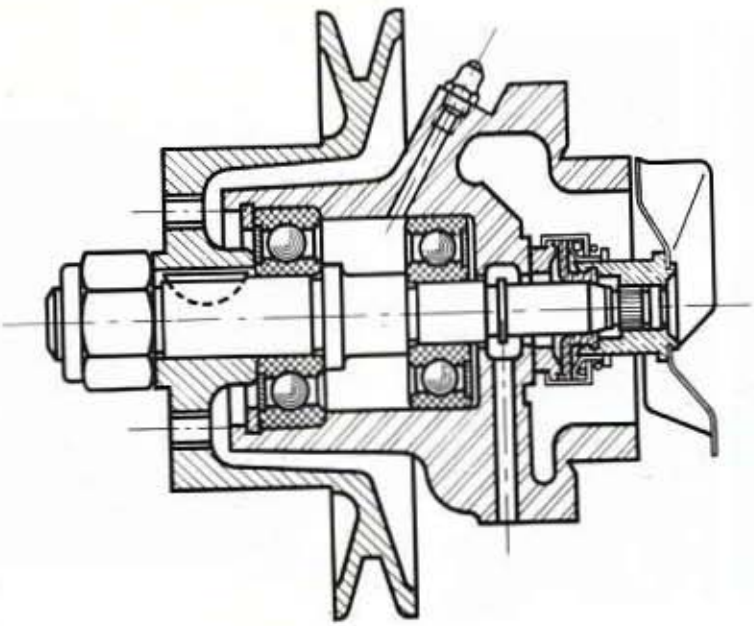

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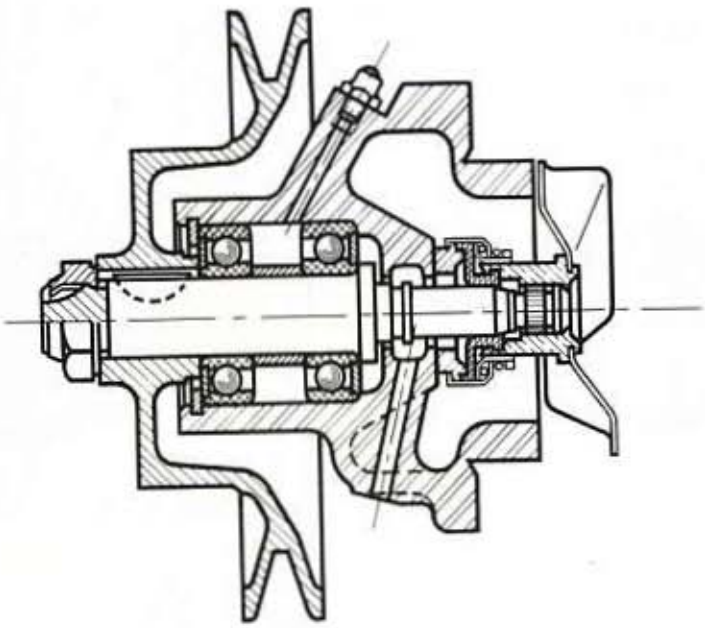
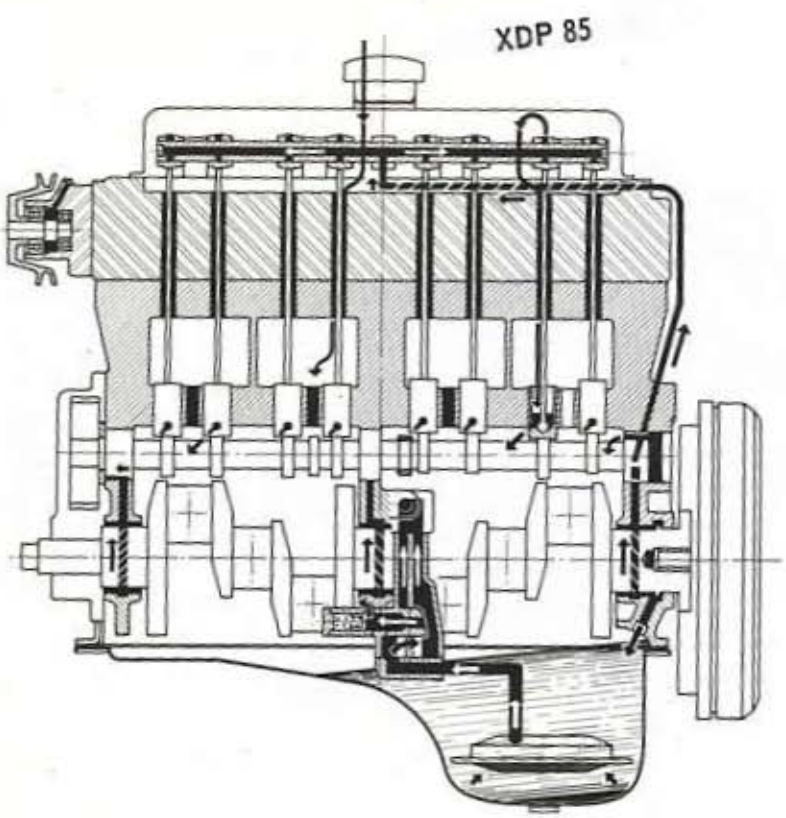
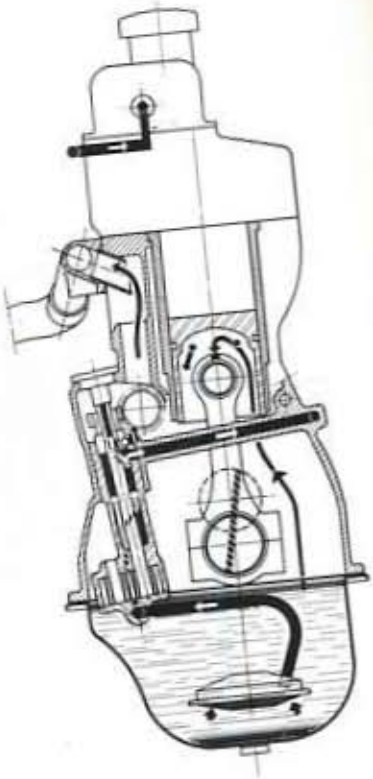
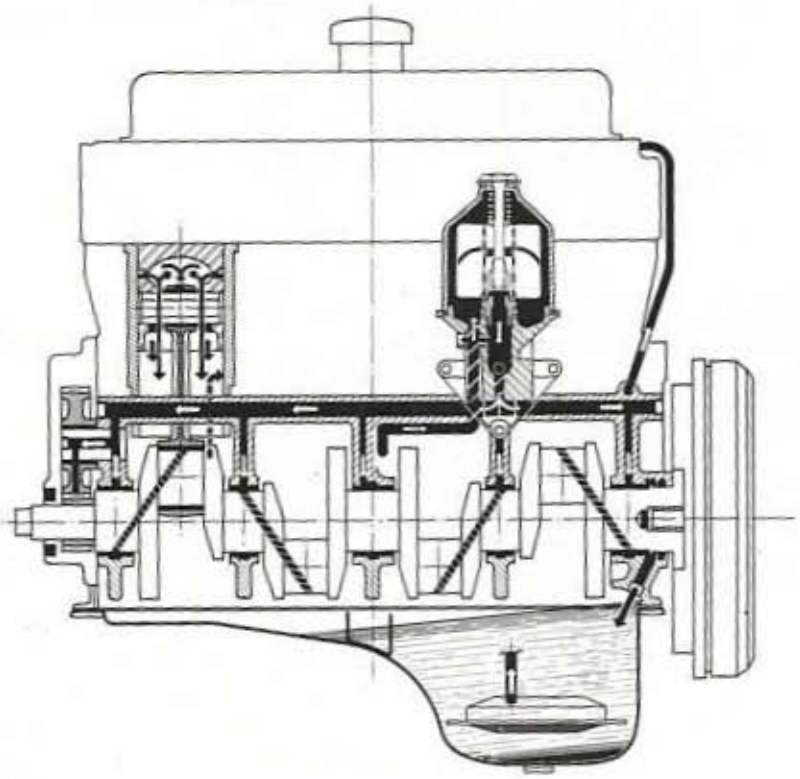


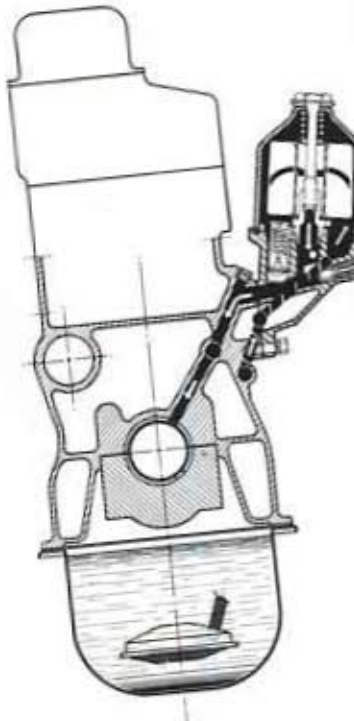
XD

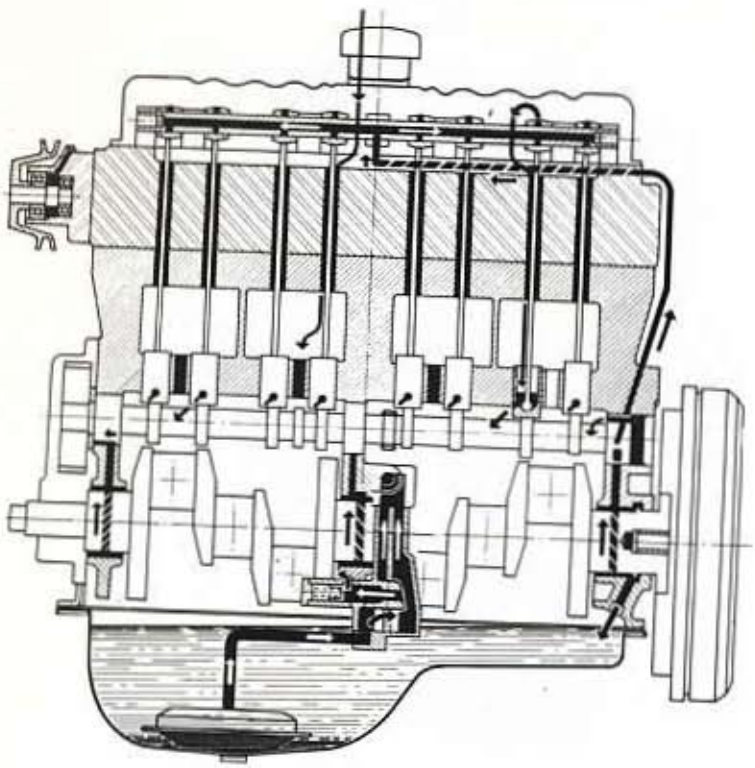
XDP 85

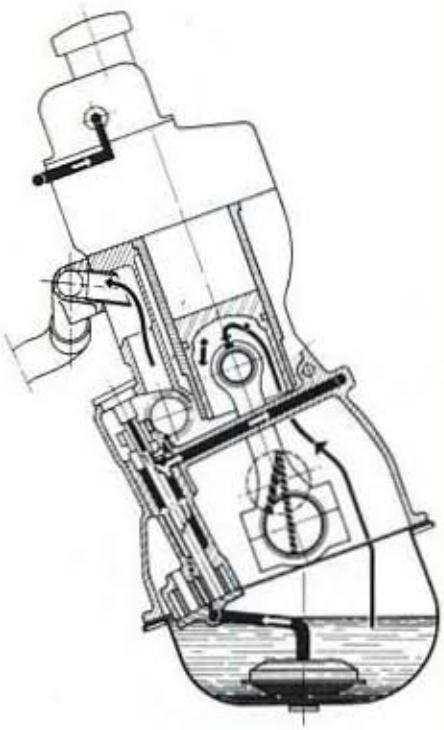


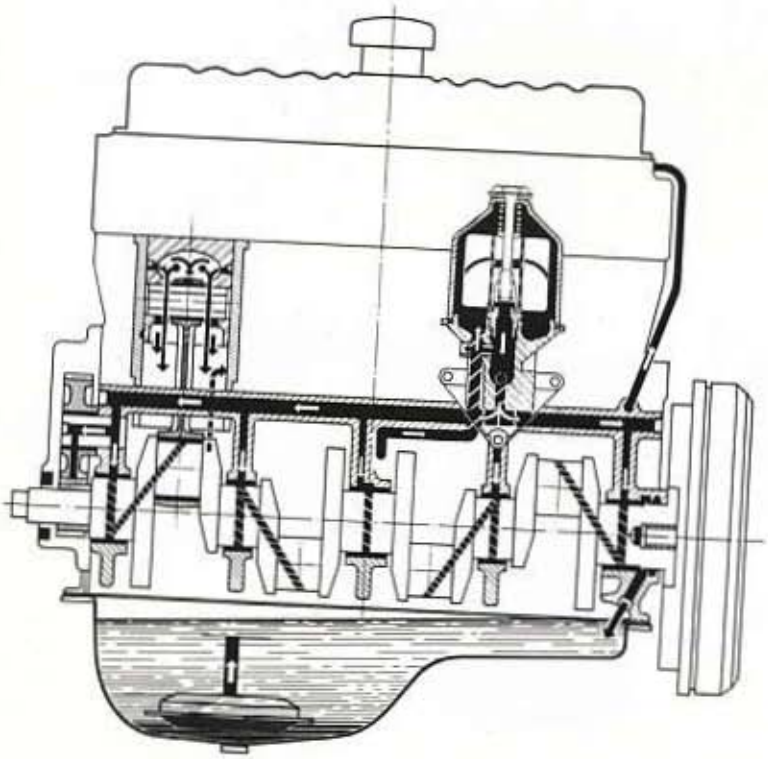


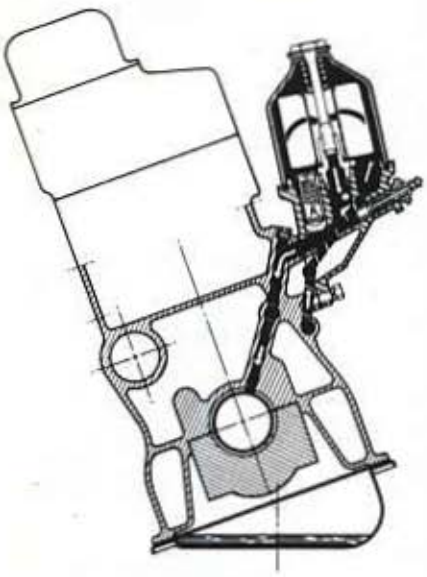


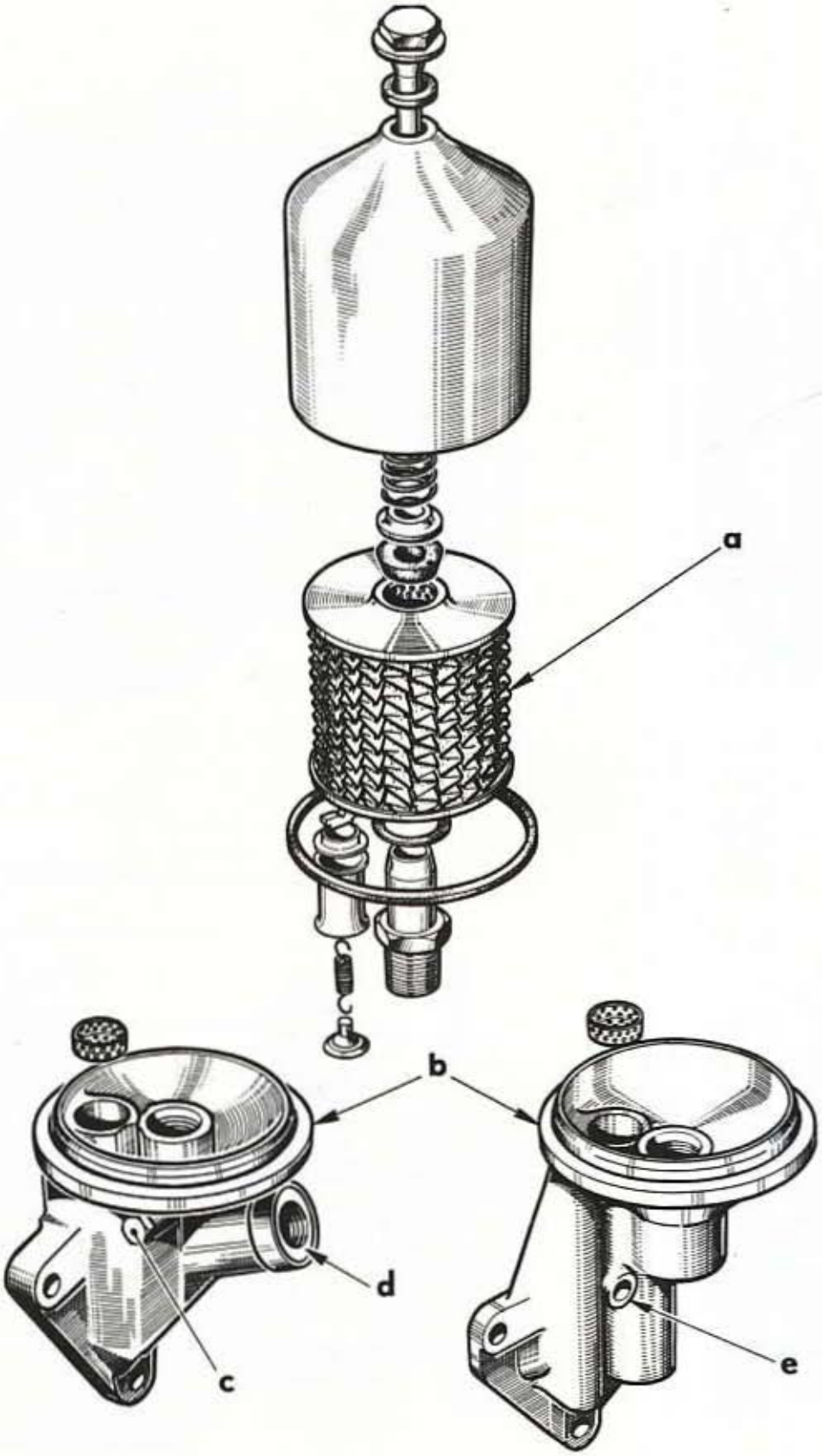








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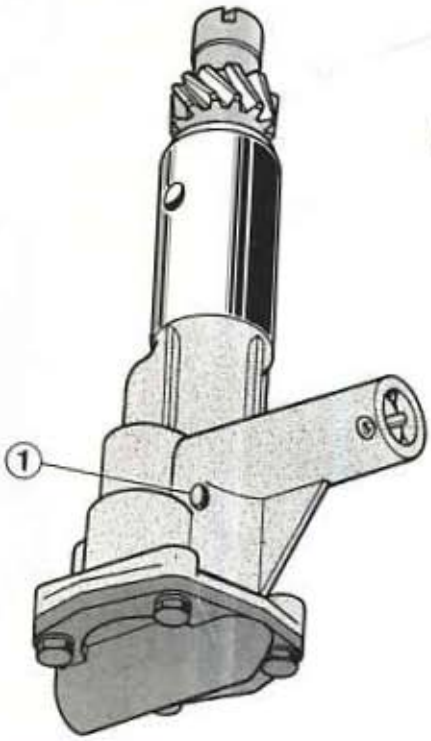
A



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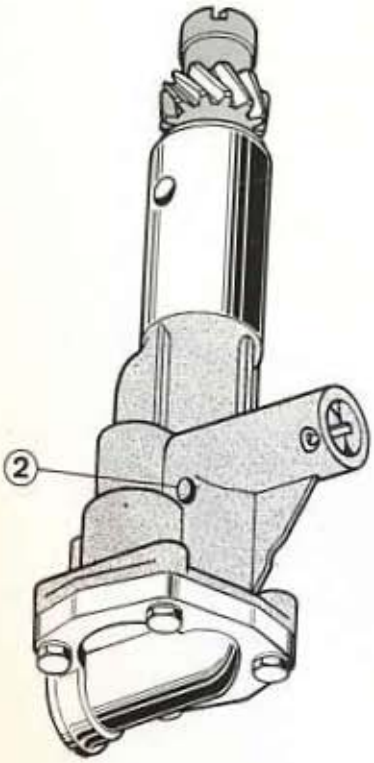

C

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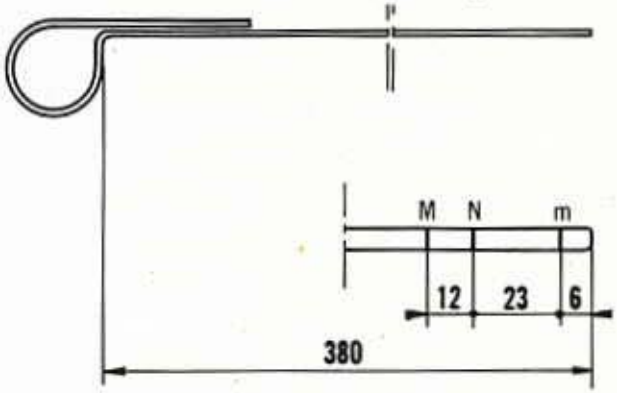
IDENTIFICATION

TOUS TYPES 403 D

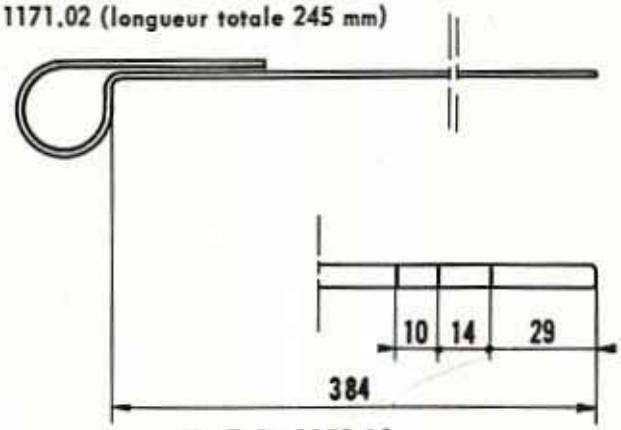
D. à G. D. à D.

1er MONTAGE

Tube de niveau correspondant n° P.D. 1171.02 (longueur totale 245 mm)



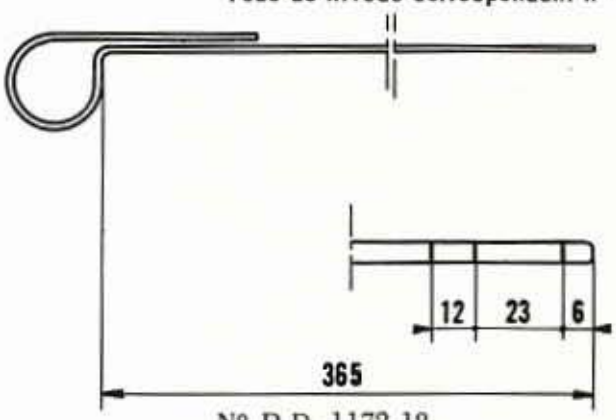
N° P.D. 1172.15
Poignée blanche



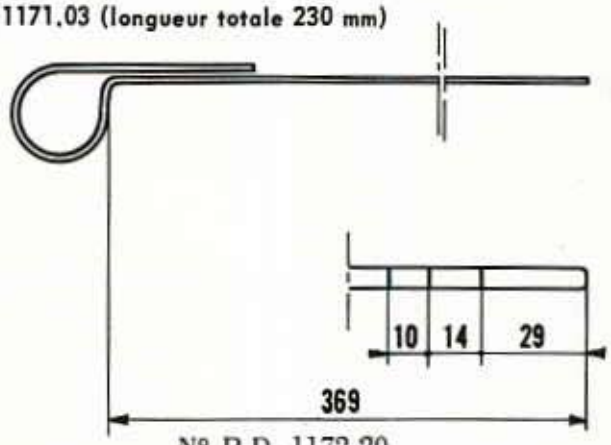
N° P.D. 1172.12
Poignée jaune

2ème MONTAGE

Tube de niveau correspondant n° P.D. 1171.03 (longueur totale 230 mm)



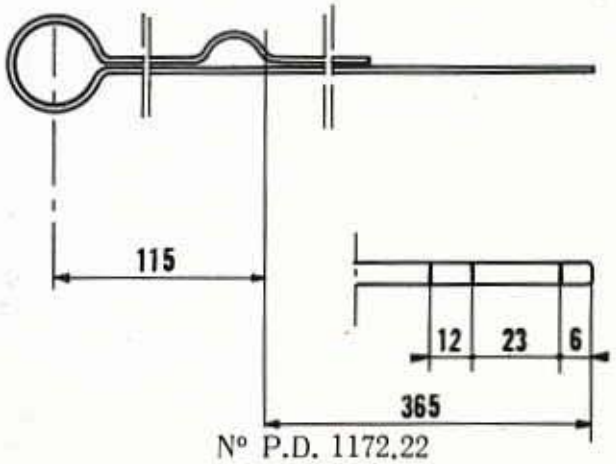
N° P.D. 1172.18
Poignée orange



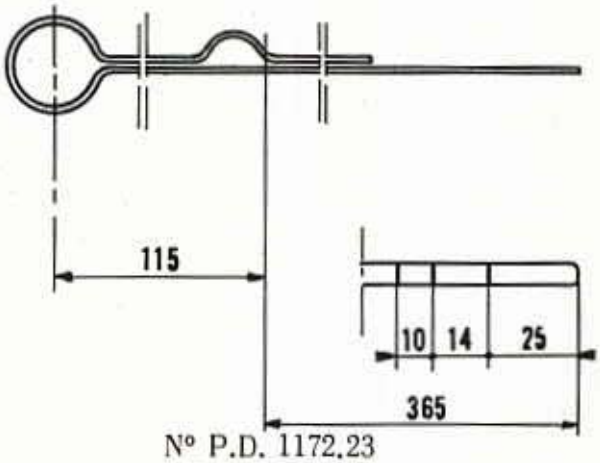
N° P.D. 1172.20
Poignée noire

3ème MONTAGE

Tube de niveau correspondant n° P.D. 1171.03 (longueur totale 230 mm)



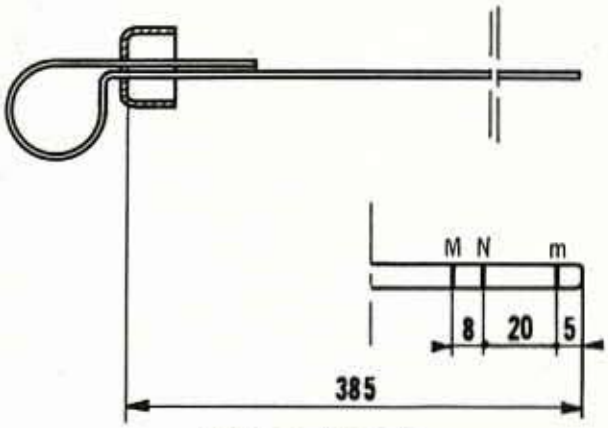
N° P.D. 1172.22
Poignée orange



N° P.D. 1172.23
Poignée noire

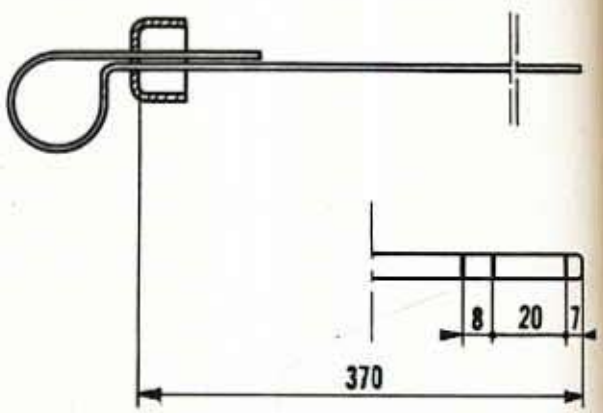
D4B D

1er MONTAGE



N° P.D. 1172.16
Poignée rouge
Tube de niveau correspondant n° P.D. 1171.02

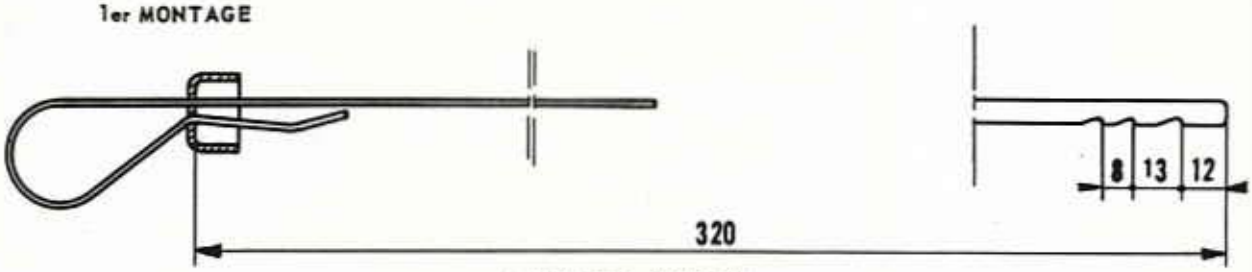
2ème MONTAGE



N° P.D. 1172.19
Poignée bleu ciel
Tube de niveau correspondant n° P.D. 1171.03

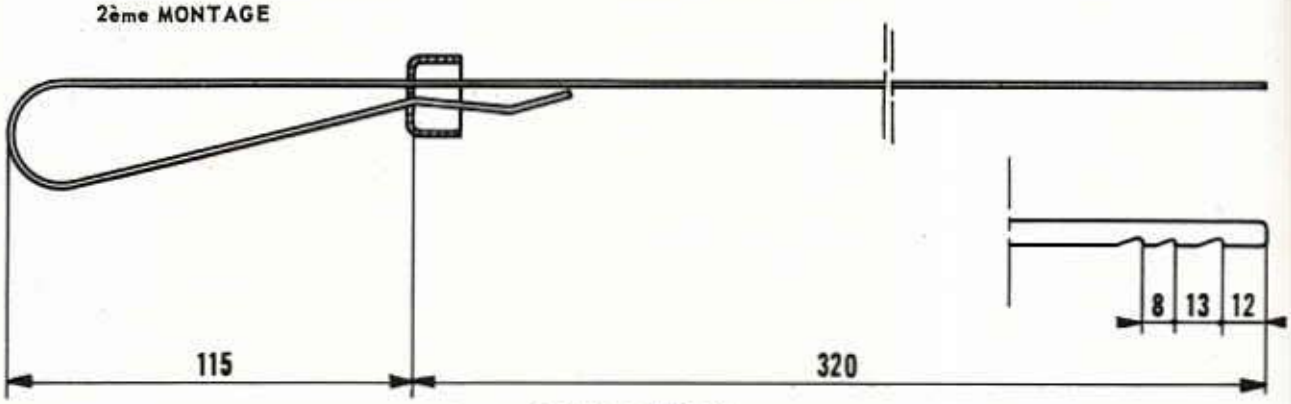
TOUS TYPES 404 D

1er MONTAGE



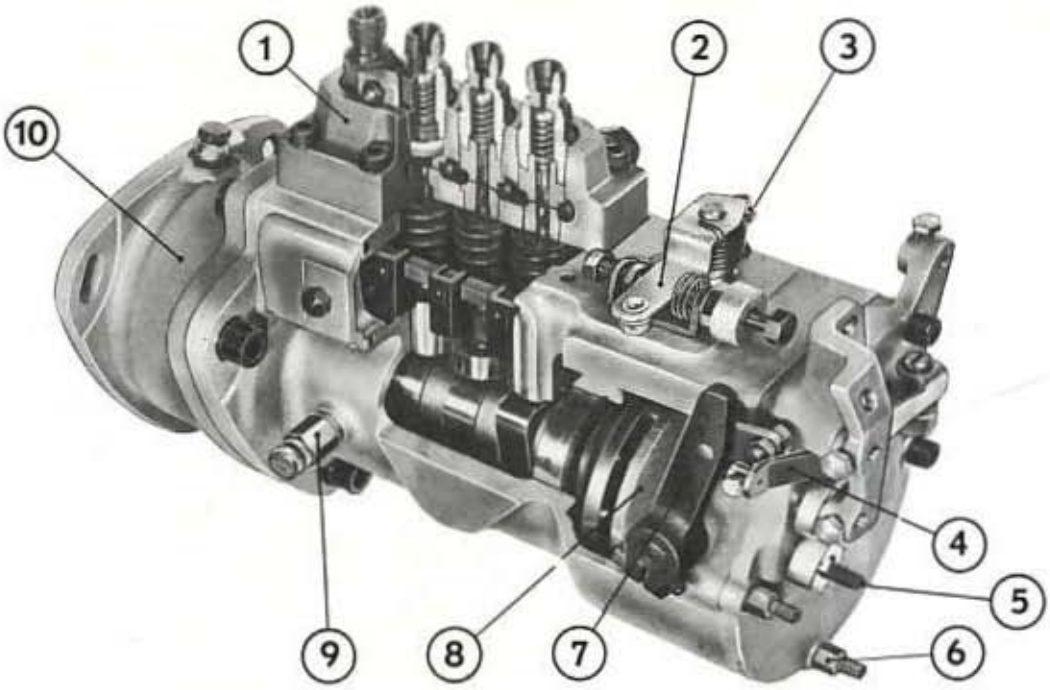
N° P.D. 1172.21
Poignée rouge

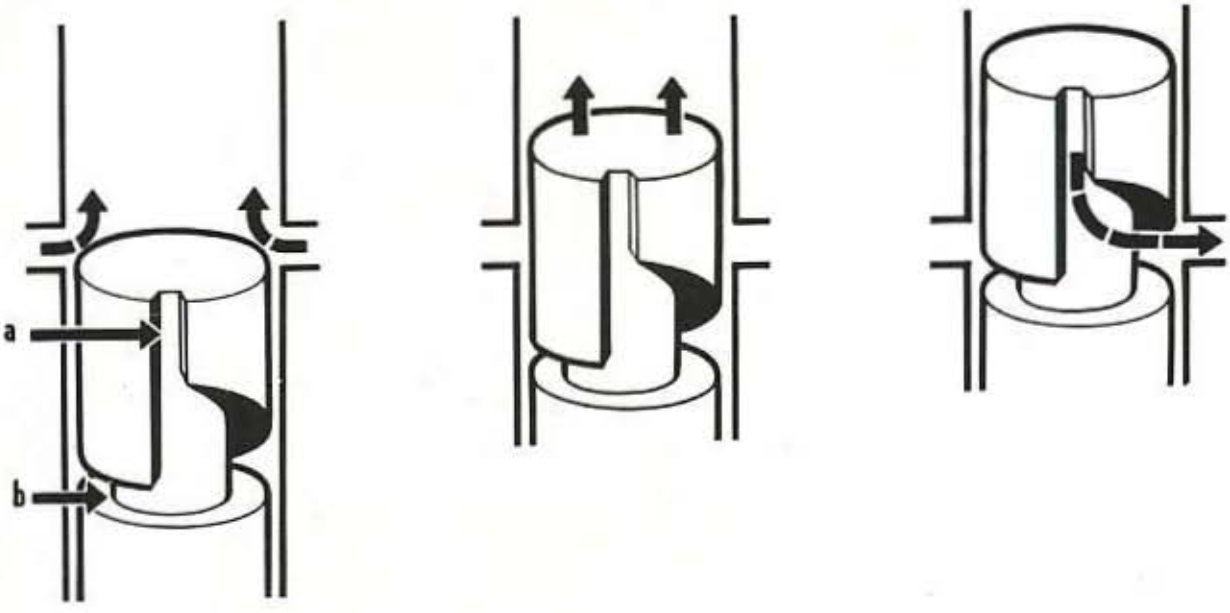
2ème MONTAGE



N° P.D. 1172.24
Poignée rouge

POMPE CAC4





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POMPE CAC4

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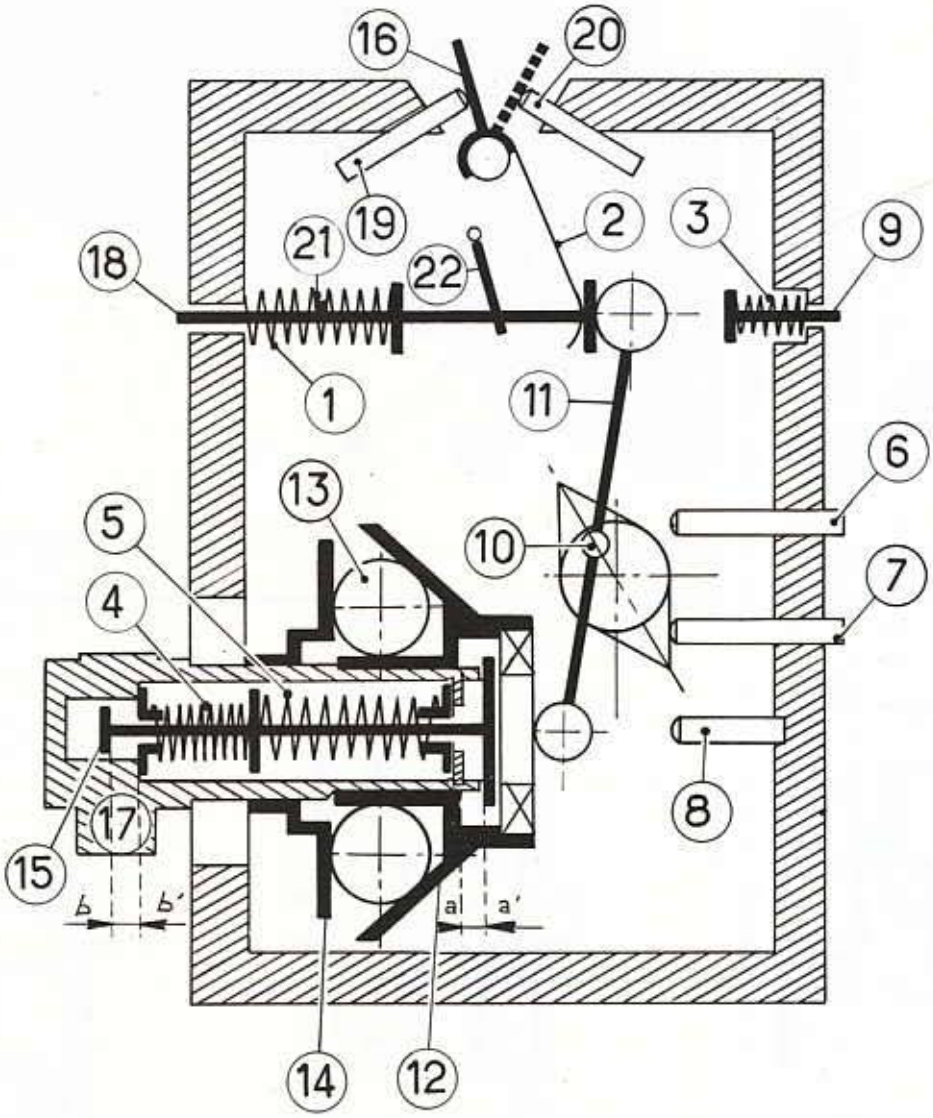
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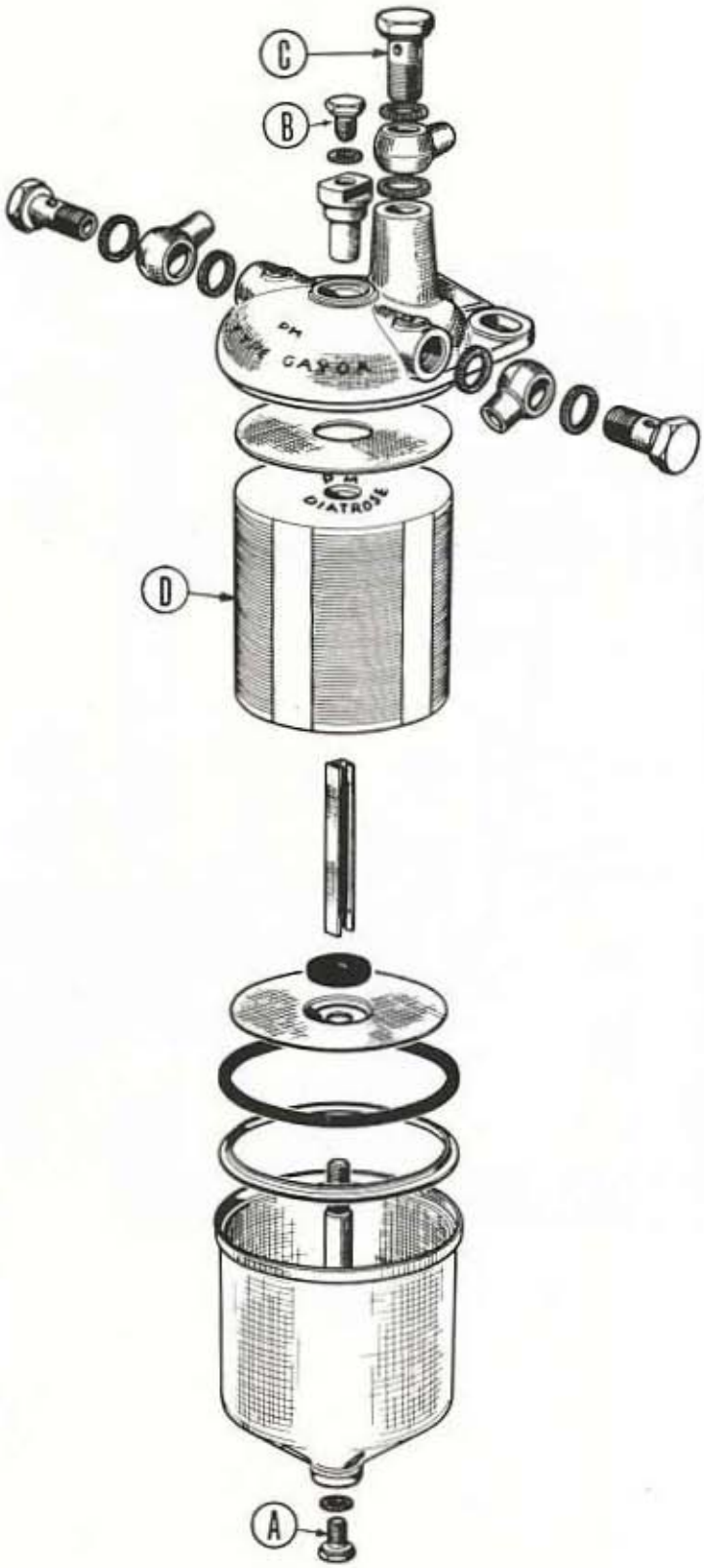
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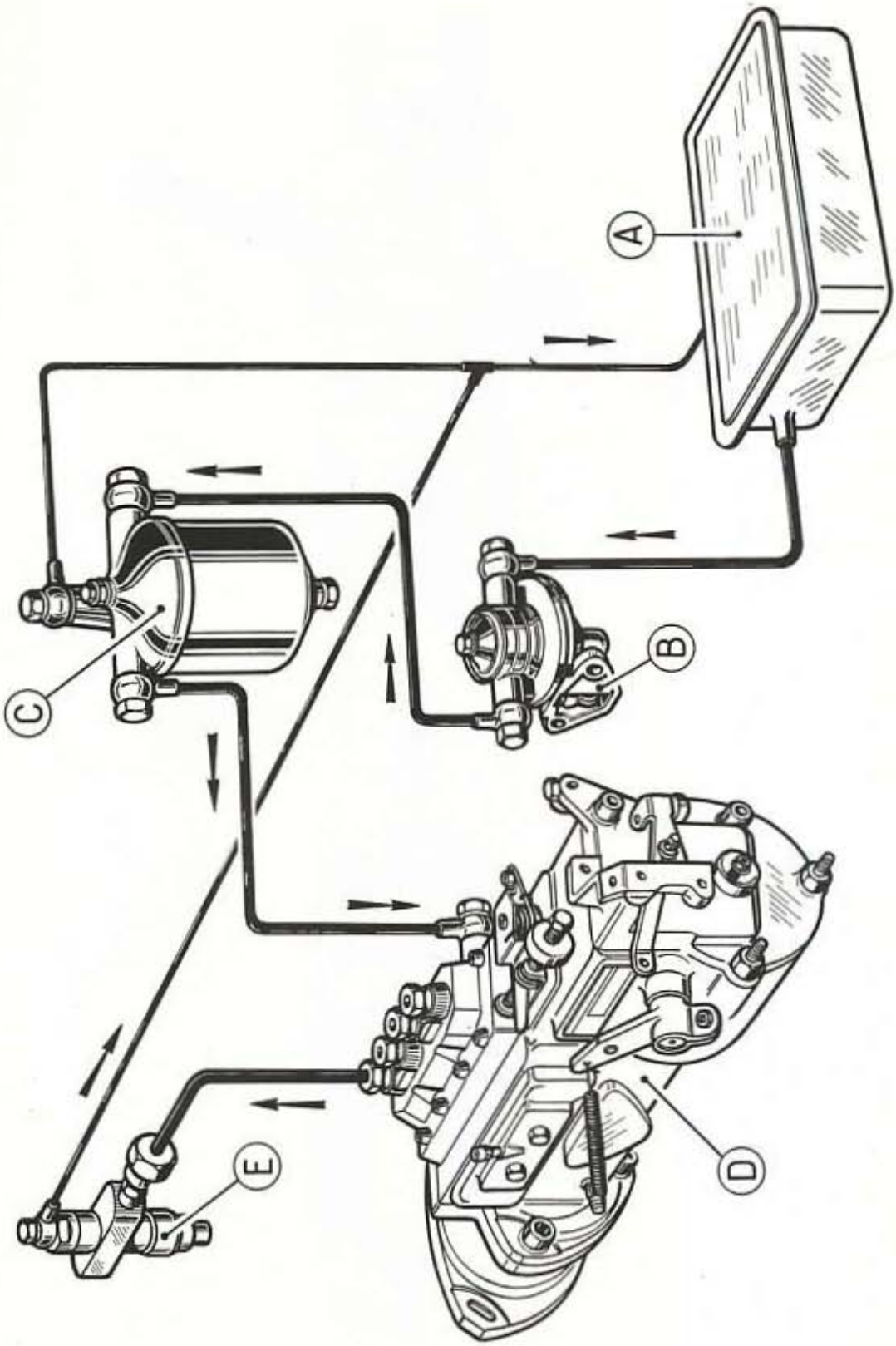
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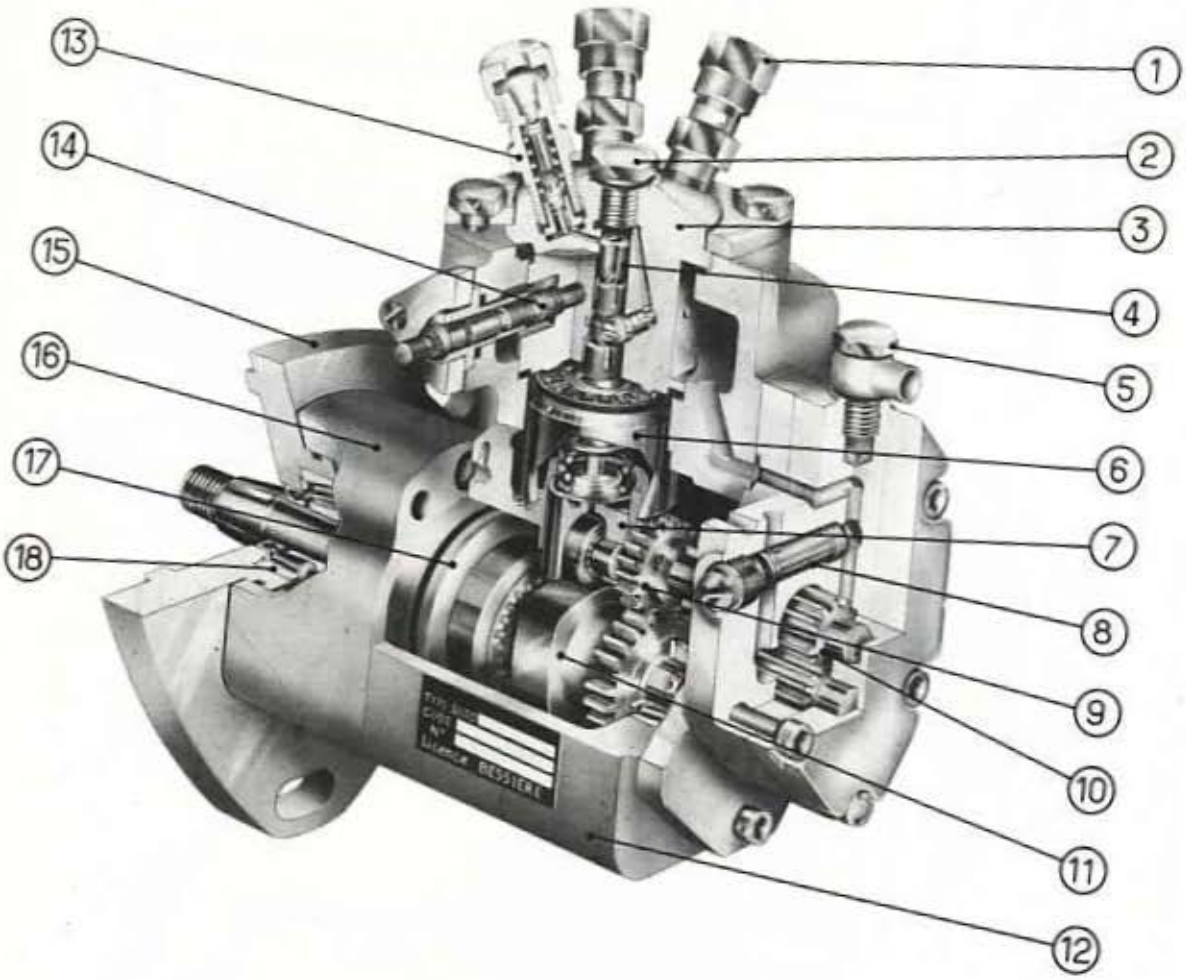
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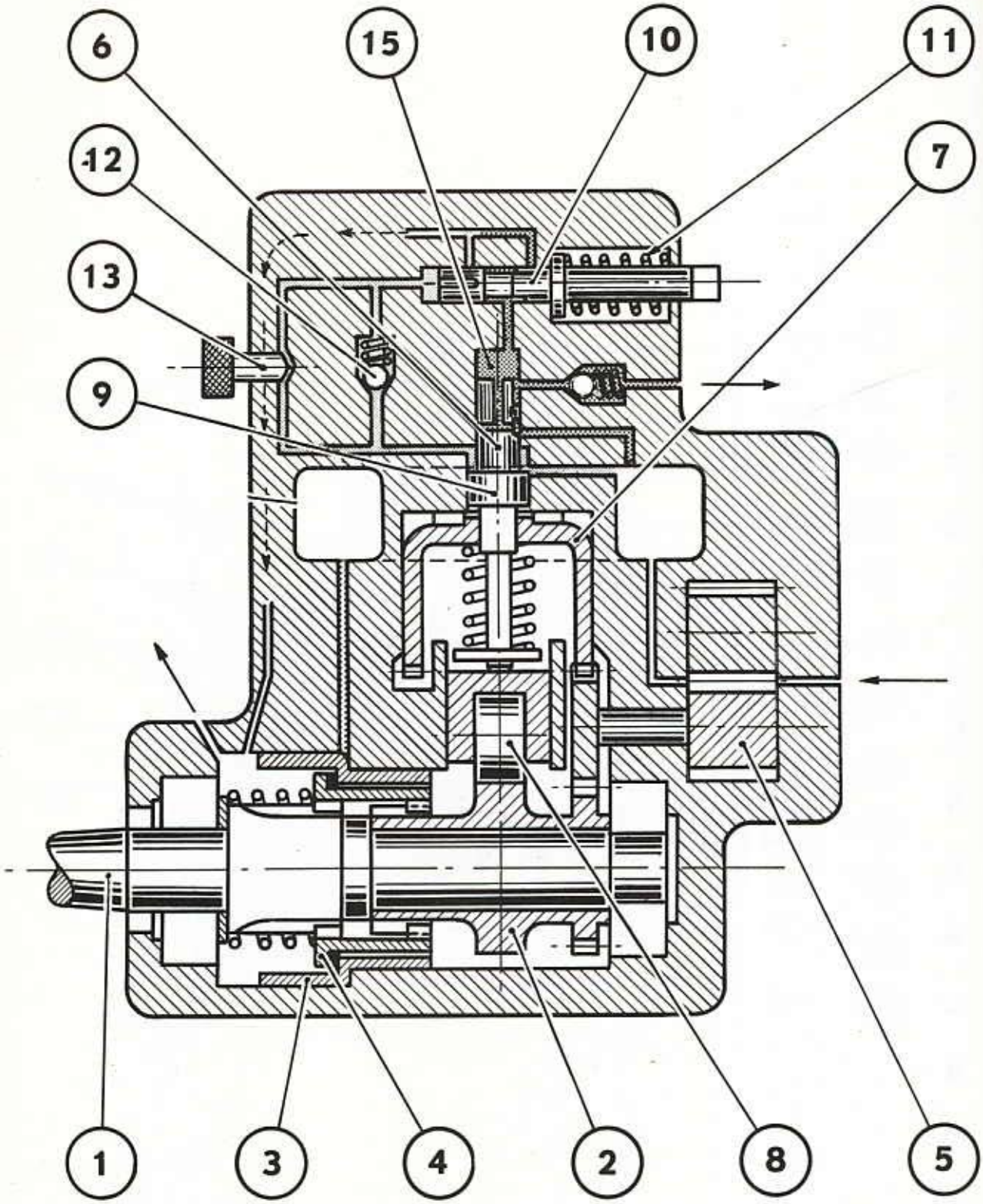
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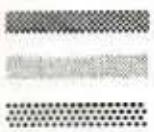

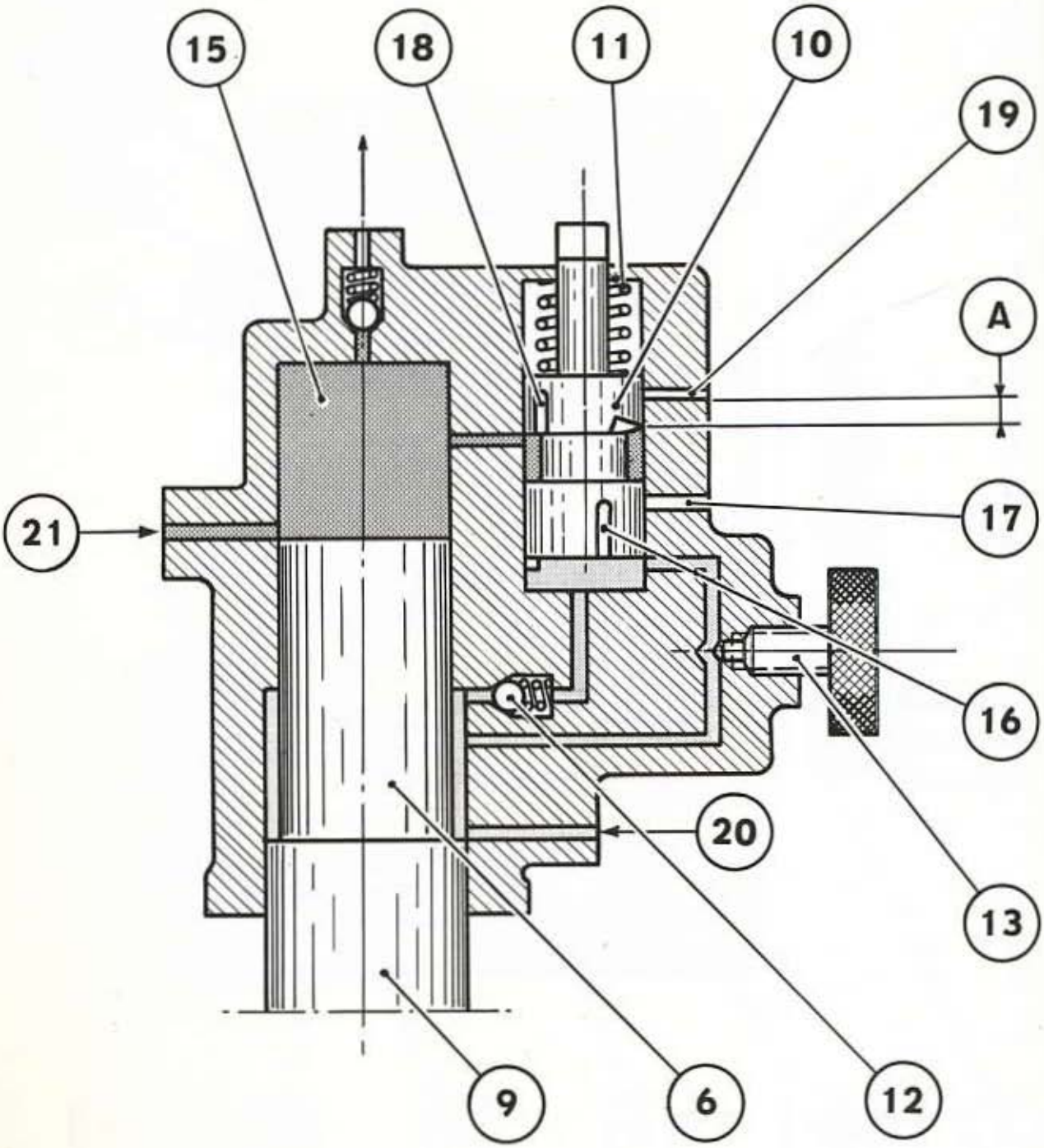
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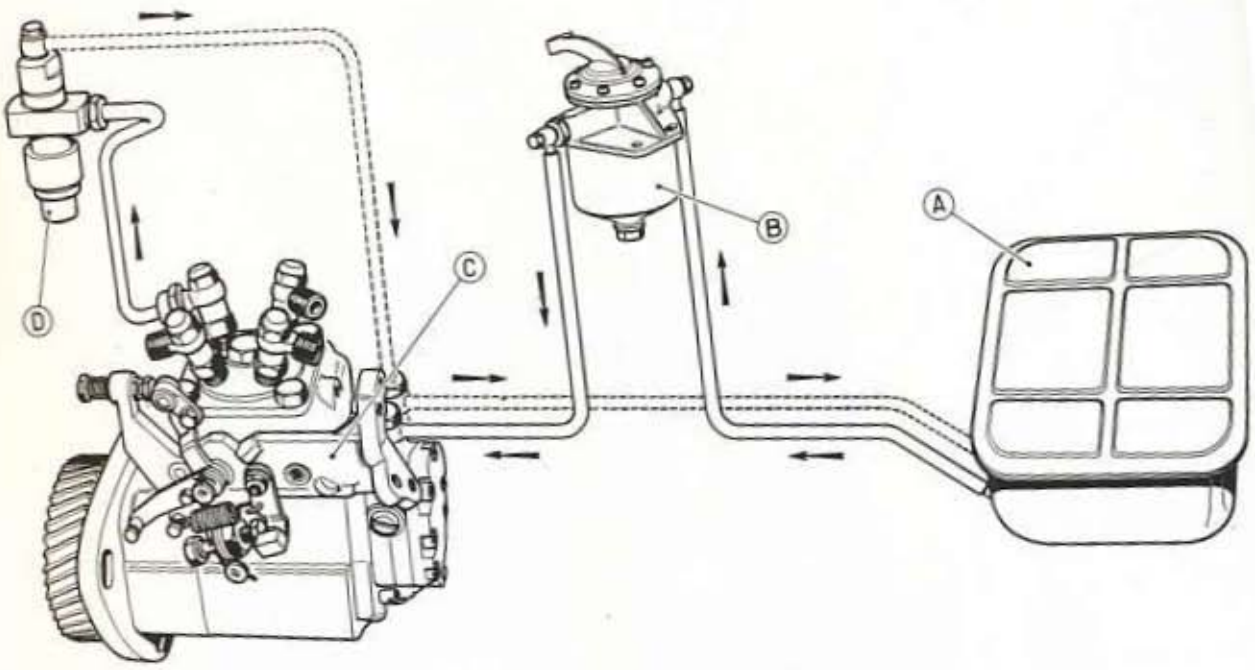
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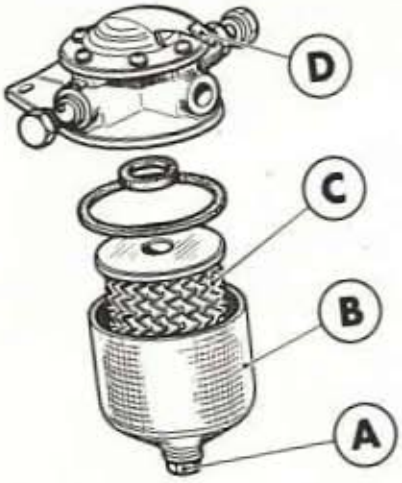
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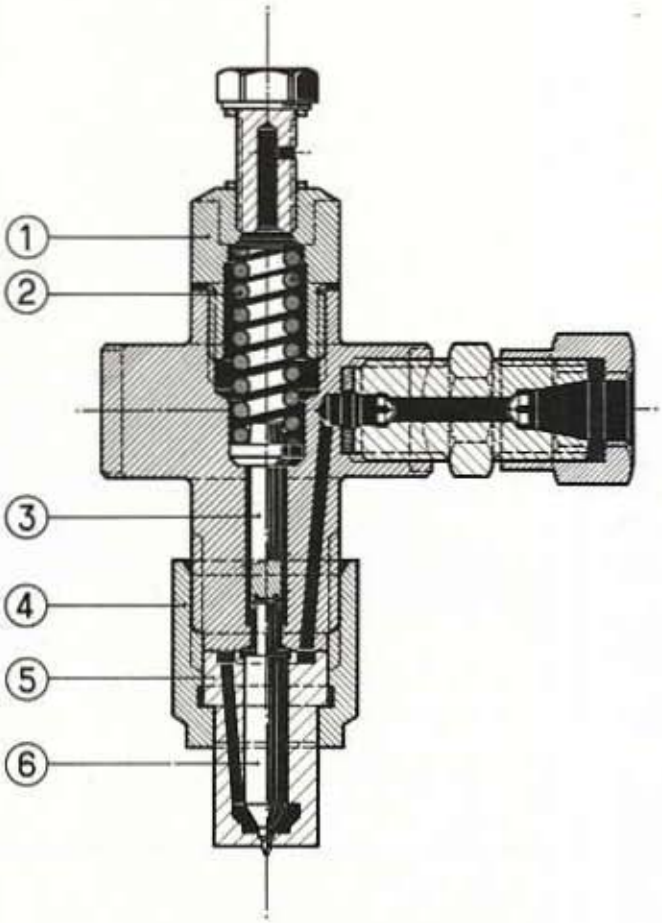
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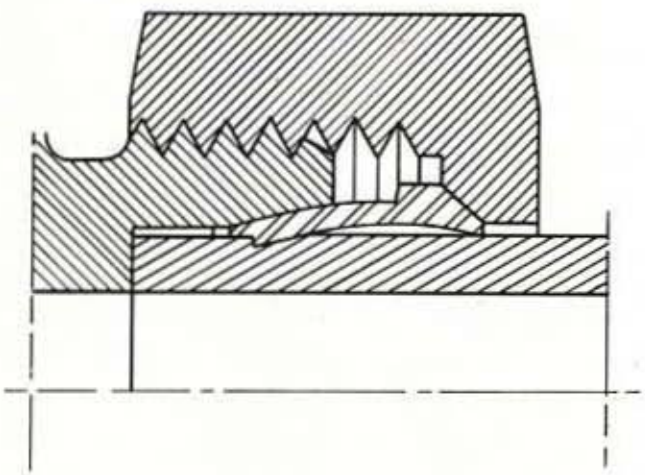

CAC4 { Porte injecteur :
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Injecteur :

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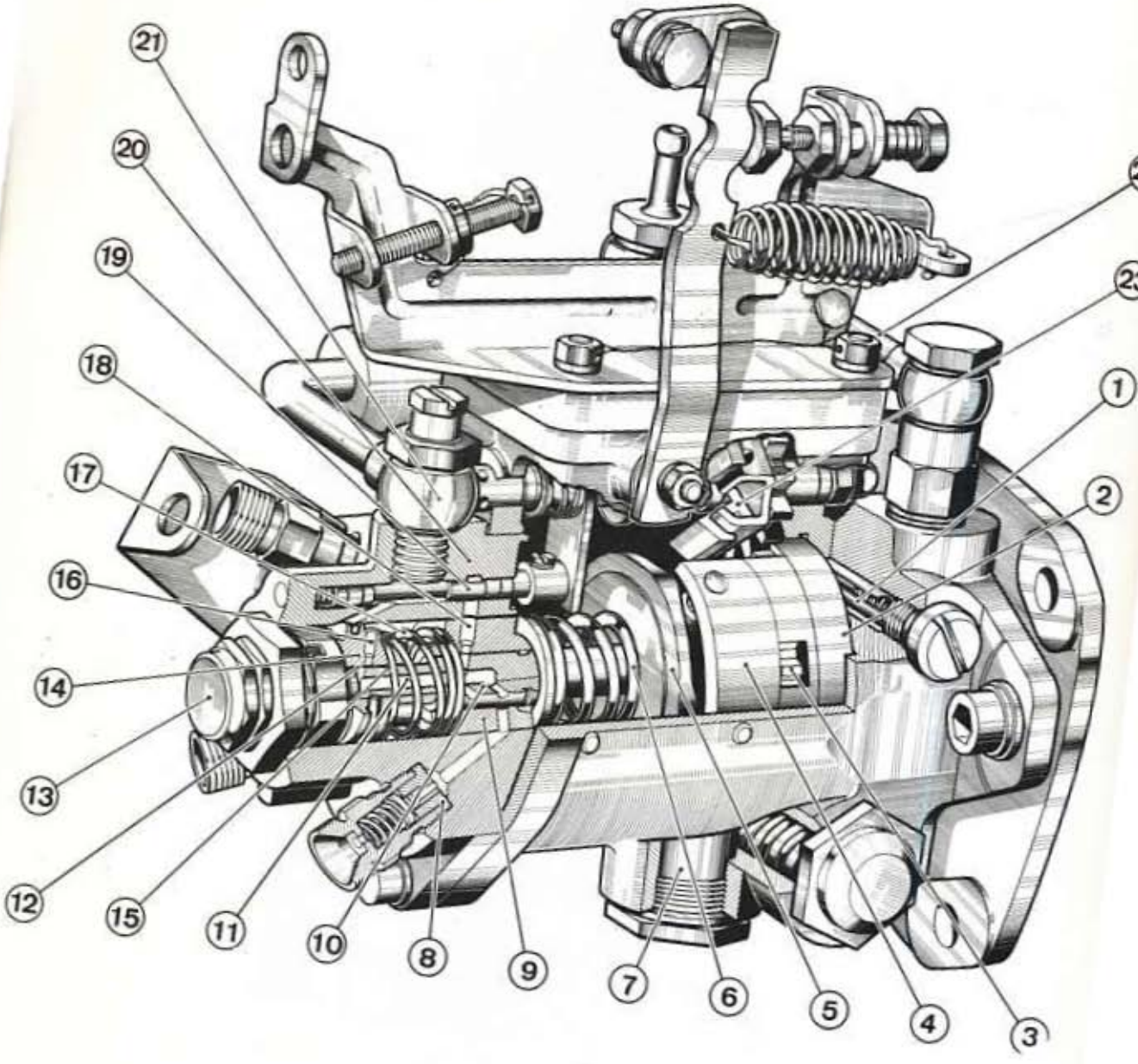
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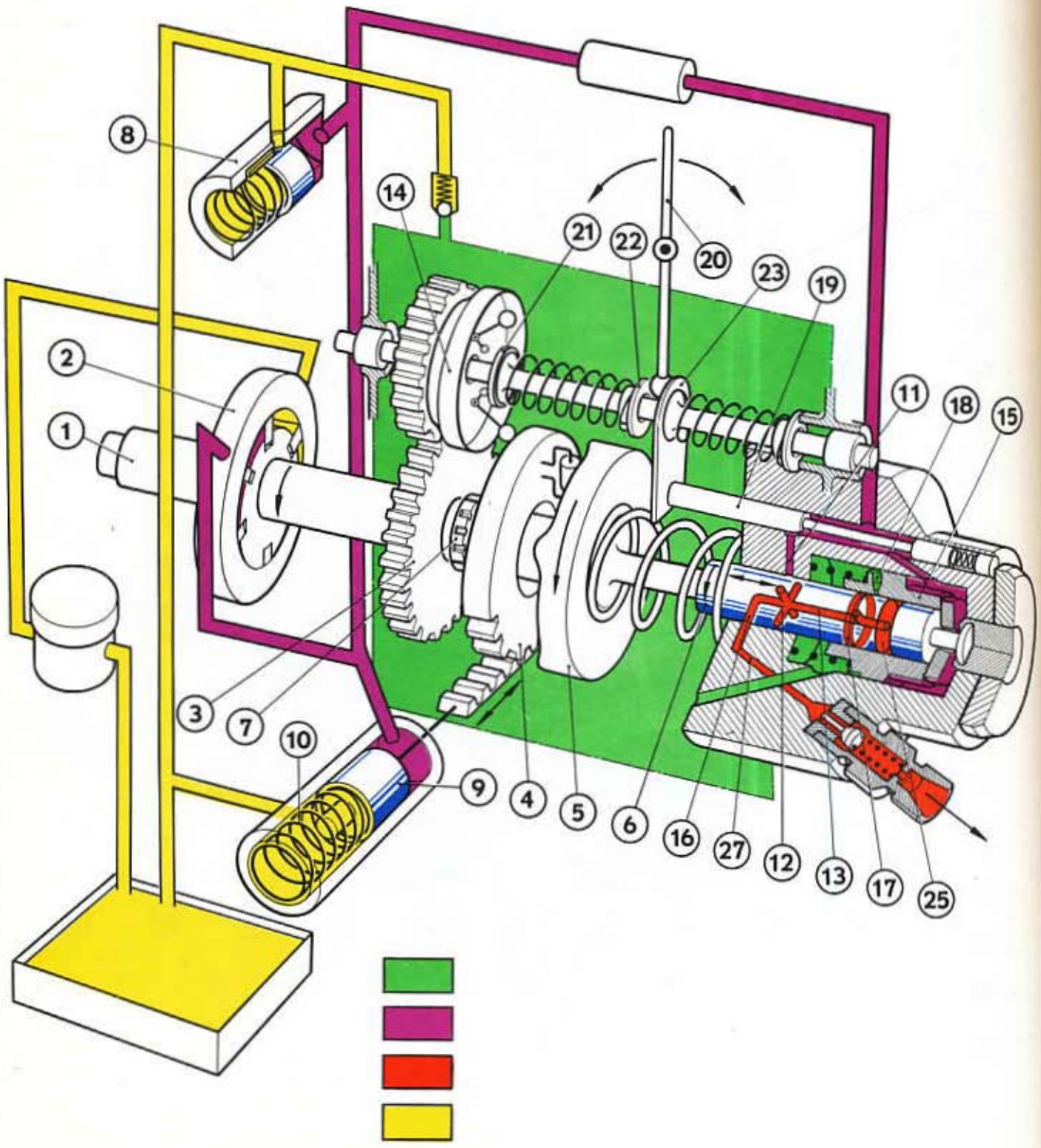
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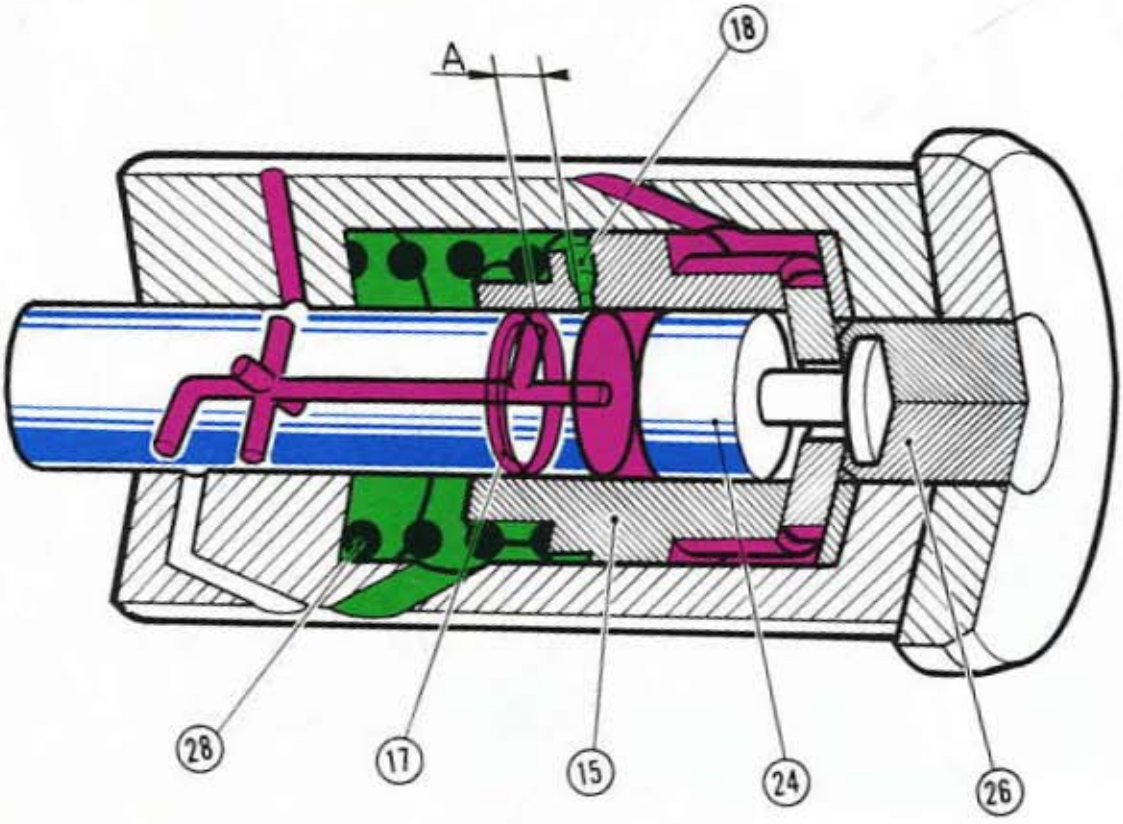
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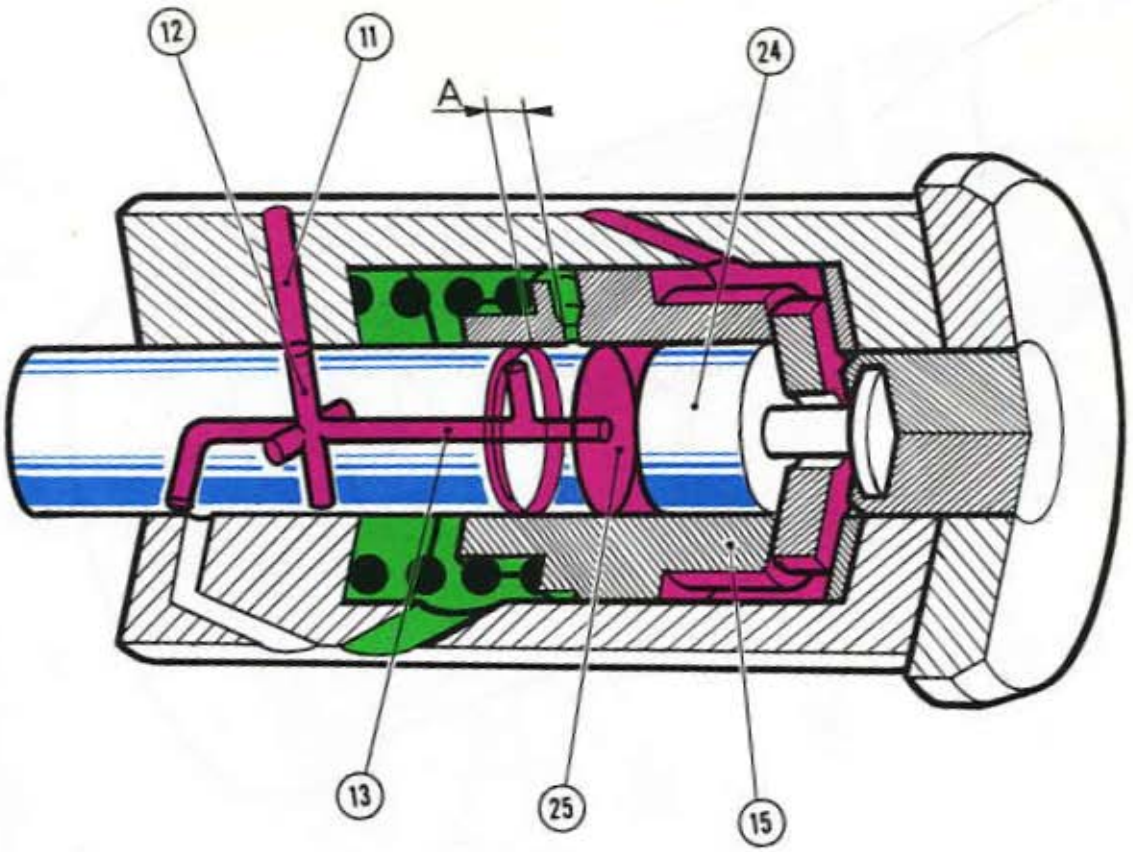
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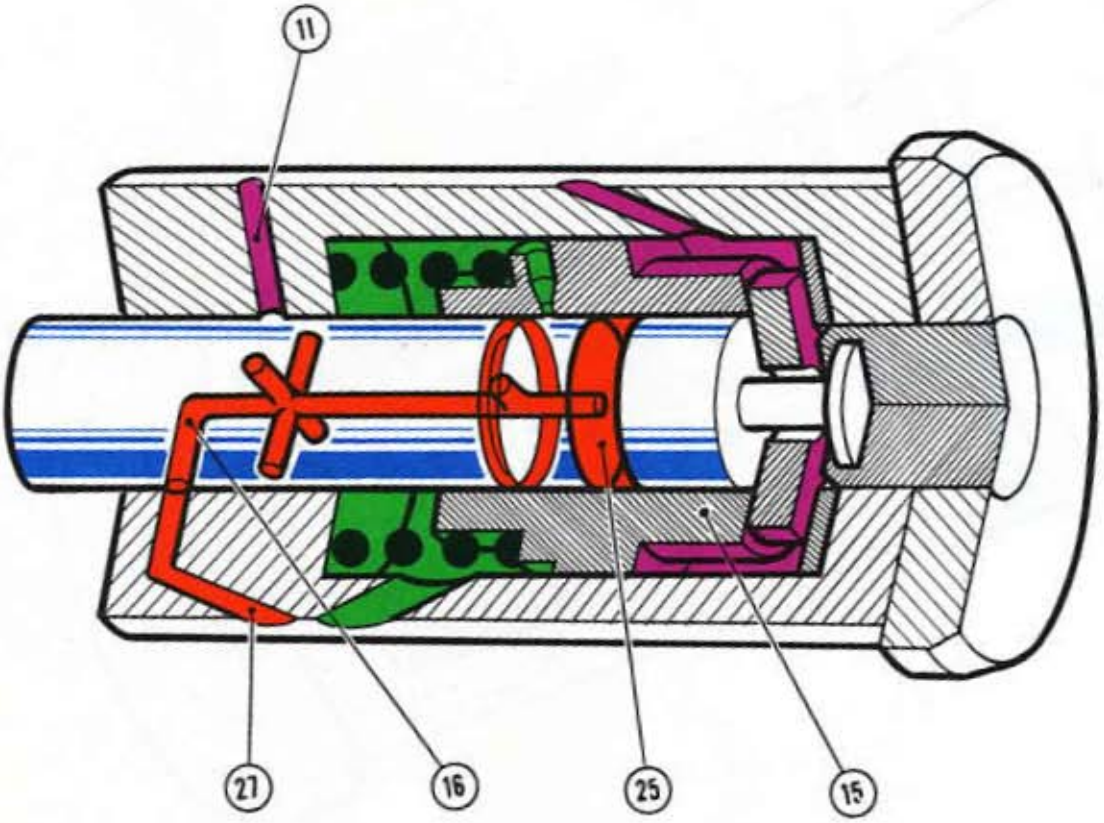
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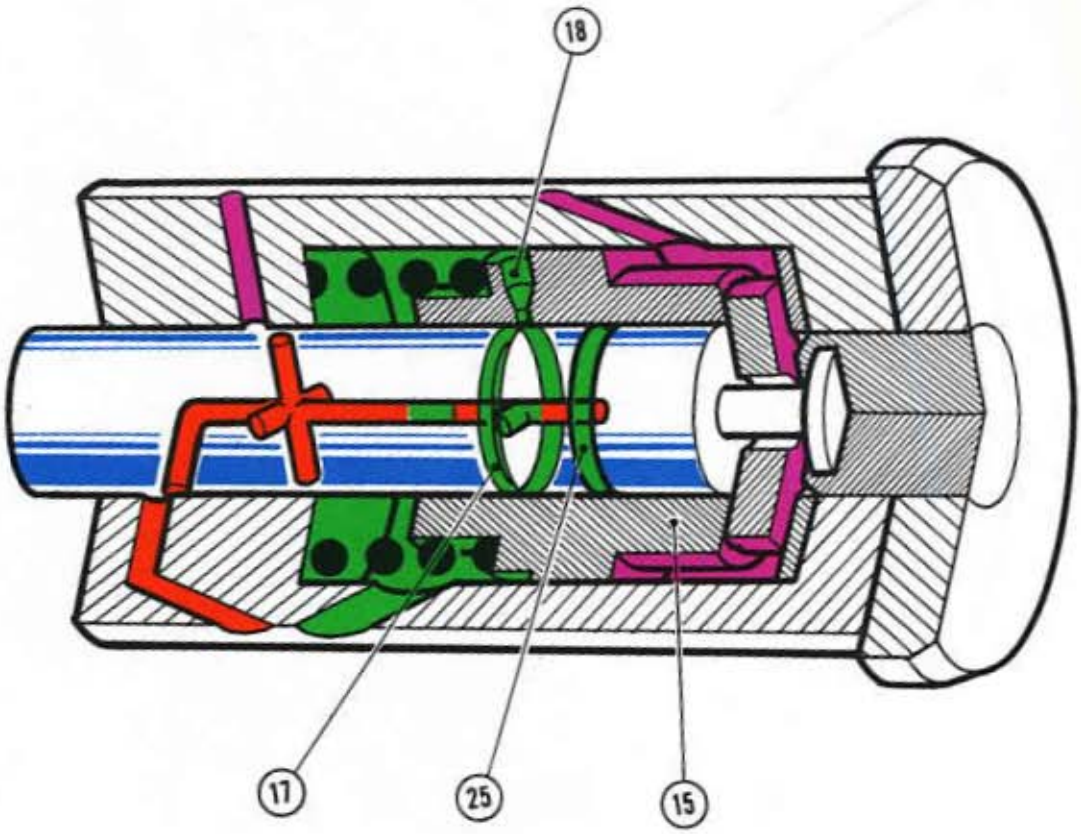
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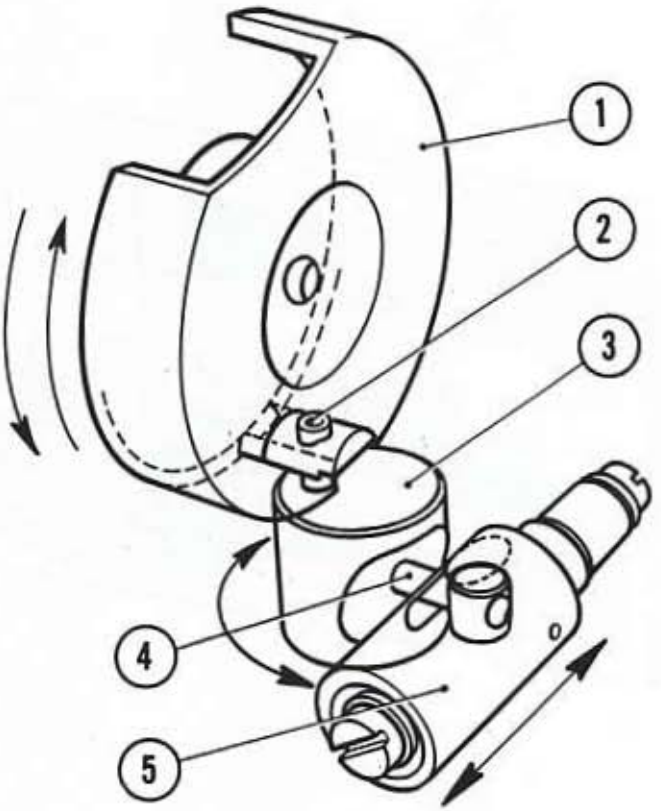
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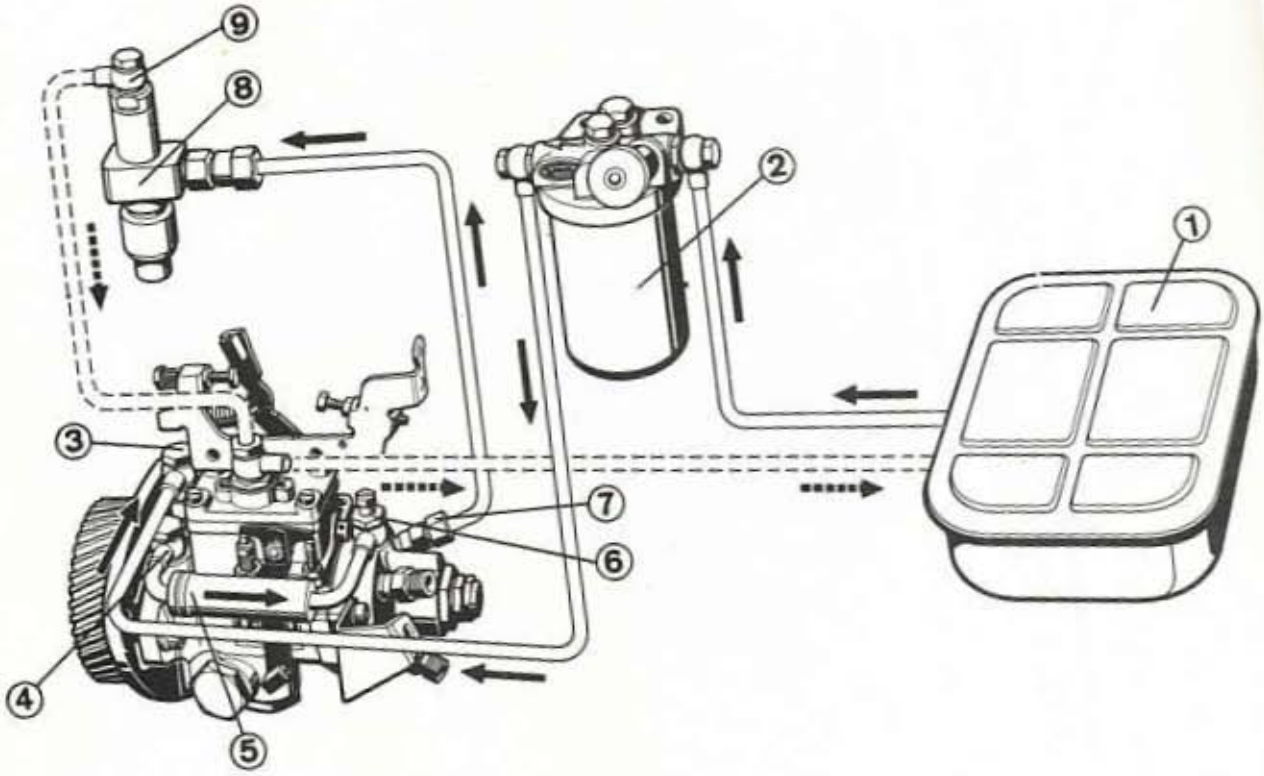
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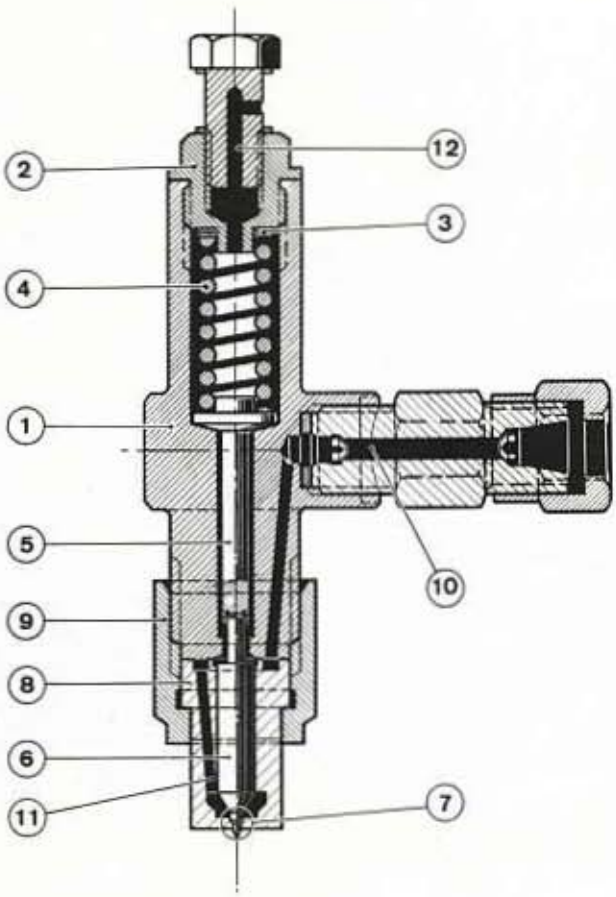
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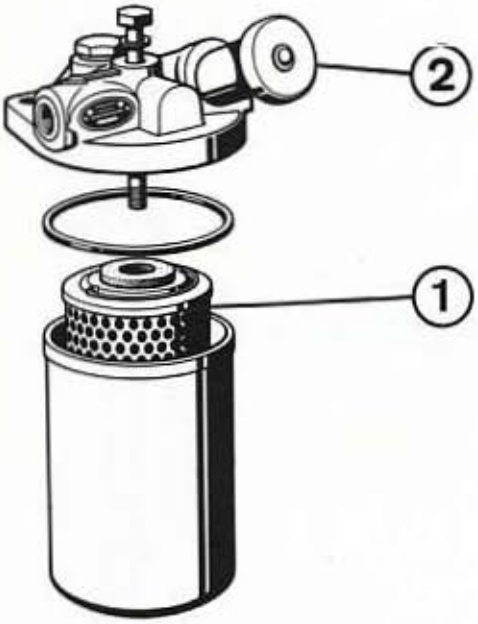
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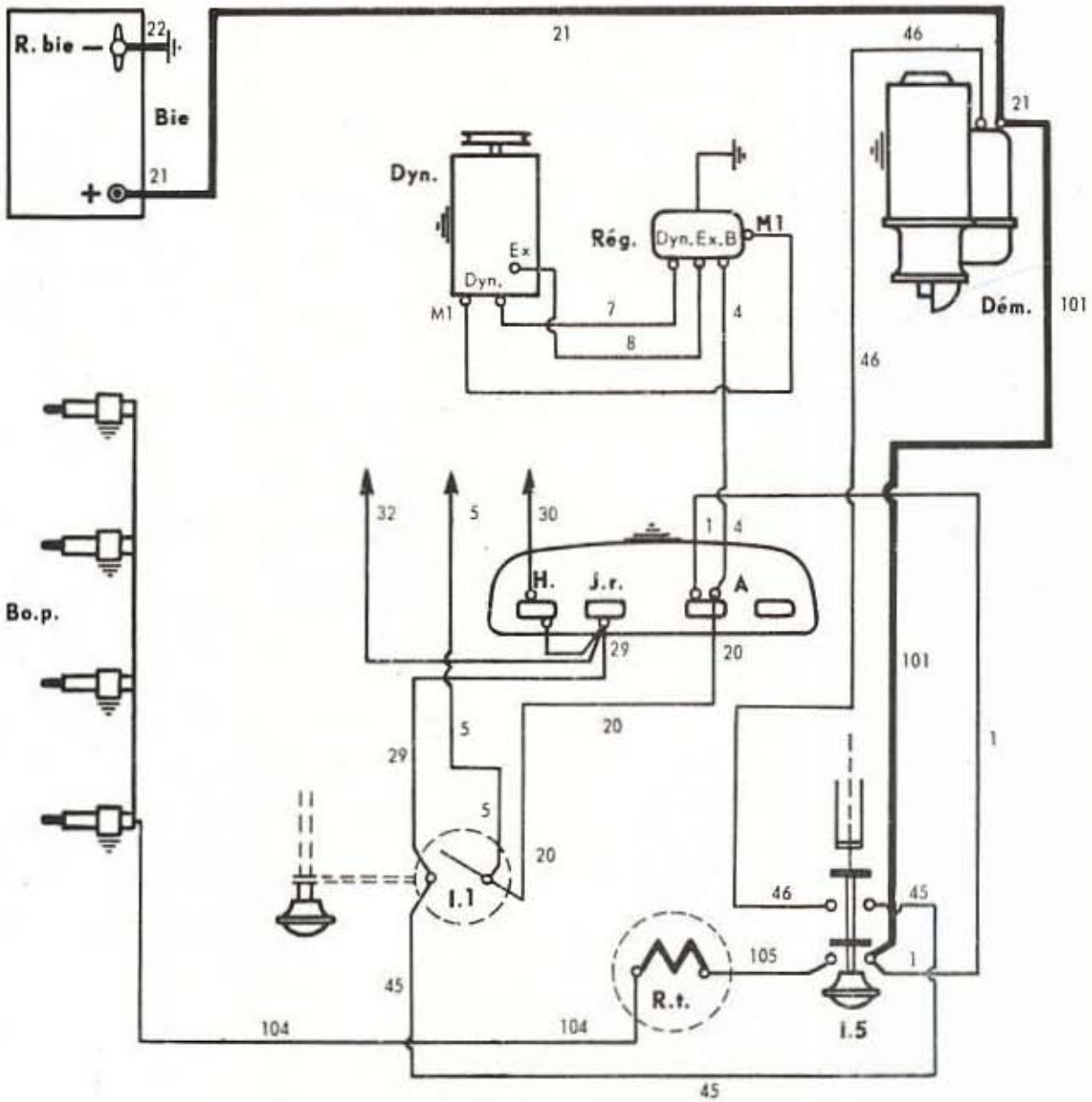

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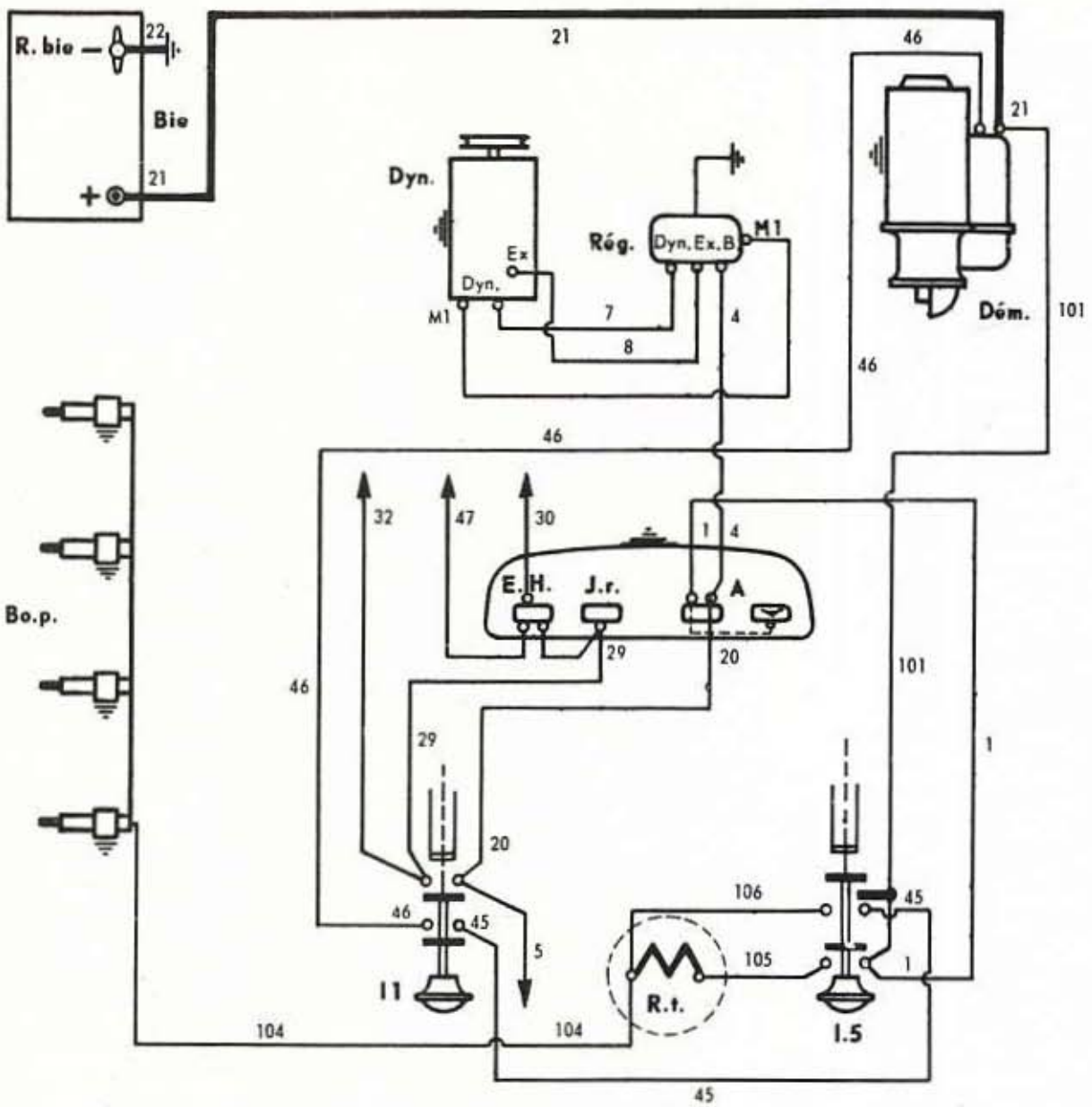
XDP



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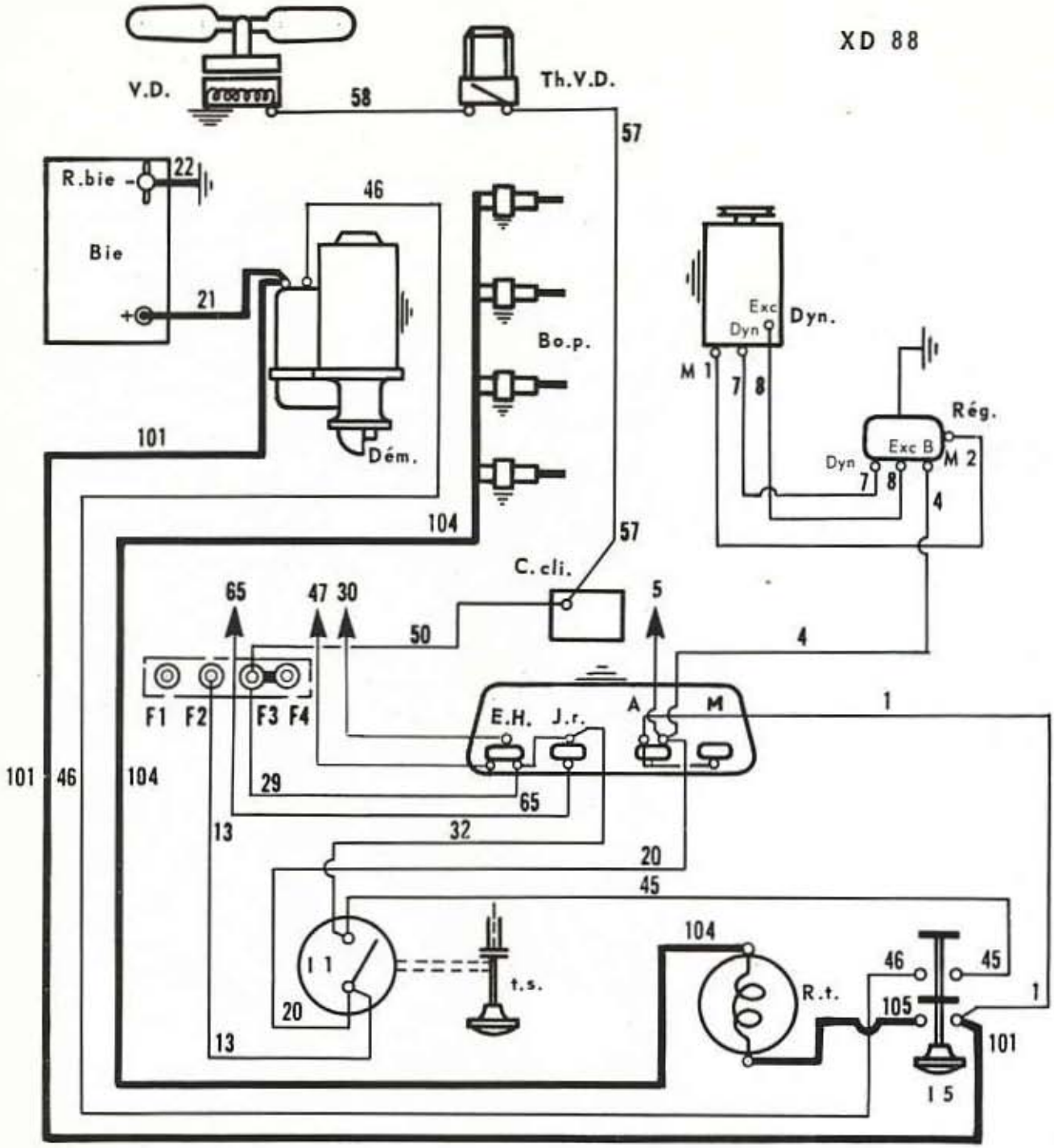

NOMENCLATURE					
A		11		R.t.	
Bie				Th.V.D.	
Bo.p.					
C.cli.		15		T.s.	
Dém.				V.D.	
Dyn.		J.r.		5	
E.H.		M.		30	
		R.bie		47	
		Rég.		65	

LISTE COMPARATIVE DES PIECES SPECIALES

POUR MOTEURS INDENOR XDP 85 - XD 85 - XD 88

	XDP 85	XD 85	XD 88
BLOC - CYLINDRES			
a) brut	Id.	Id.	Id.
b) particularités d'usinage : alésage logemt. chemises	Ø 100 H 7	Ø 100 H 7	Ø 101 H 7
alésage logemt. joint	Ø 93 H 6 Ø 99,2 H 11	Ø 93 H 6 Ø 99,2 H 11	Ø 94 H 6 Ø 100,2 H 11
Canalisations d'huile	Id.	Id.	Id.
Bouchon bossage filtre			
" canali. principale	2,Ø 13 conique	Id.	Id.
" canal. secondaire	1,Ø 15 cylindrique 1,Ø 15 conique 2,Ø 13 conique		
Jauge d'huile	Classique à l'AR. G.	Souple, avec capuchon et joint d'étanchéité à l'AV. G.	
Vidange d'eau	Robinet L.B. - fileté conique		
Position	AR. G.	Arrière droite	
Reniflard	Id.	Id.	Id.
Bouchons divers :		Sauf D à D	
Arbres à cames	Id.	Id.	
Chambre d'eau	Id.	Id.	Id.
Chemises	Id.	Id.	Alésage 88 diamètre et épaisseur collerette identiques aux 85.
Joints	Id.	Id.	Section elliptique (joint "tonneau")
PISTONS	Id.	Id.	Ø 88, sections renforcées trèfles + grand
Segments	Id.	Id.	Ø plus grand, tolérances inchangées
Axes	Id.	Id.	Id.
BIELLES / CHAPEAUX	Id.	Id.	Id.
Boulons	Id.	Tour Eiffel	Id.
Ecrous	Id.	courts	Id.
Rondelles	Id.	Id.	Id.
Coussinets	Id.	Marsden	Id.
VILEBREQUIN	Id.	Supprimée	Id.
Paliers et ½ coussinets de paliers	Id.	Id.	Id.
Chapeaux de paliers	Id.	Id.	Id.
½ coussinets de chapeaux	Id.	Id.	Id.
Damper	Poulie seule sans damper		Poulie damper

	XDP 85	XD 85	XD 88
CULASSE			
Sièges soupapes ADM.	Id.	Id.	Lamage entre soupapes ADM et ECH.
" " ECH.	Ø int. 32 Ø ext. 45,01 Ø int. 28 Ø ext. 38,01		Ø int. 34 Ø ext. 42,01 Ø int. 30 Ø ext. 36,01
Guides	Id.	Ø int. 8,52	
Chambres de turbulence	Id.	Id.	Ø emmanchement Id. mais Section lumière + grande.
Vis super longues	Repère KSL Longueur 118 mm		
Vis longues	Repère KL Longueur 108,5 mm		
Vis courtes	Repère KC Longueur 91,5 mm		
Vis de masse	Longueur 118,5 mm		
Pastilles d'eau	Id.	Id.	Id.
Joint de culasse	Id.	Id.	Id.
Tubulure ADM.	Id.	Id.	Section + grande
Tubulure ECH.	Particulière	Id.	Id.
Pompe à eau	Sortie verticale Supporte ventilateur Particulier	Sortie inclinée à gauche Ne supporte pas ventilateur Id.	
Arbre Roulements	de 12×37×12/6301 RS. de 15×42×13/6302 RS.	2 de 15×35×11 SKF 6202 RS avec bague entretoise	
Poulie pompe à eau	Nervurée Déport 42,2 Ø nominal 116	non nervurée Déport 35,2 Ø nominal 116	
Ecrou de blocage	Epaisseur totale 50,2 Nylstop	Epaisseur totale 50,2 Classique	
Courroie	Trapéz. 10×8 int. 1025	Trapéz. 10×8 int. 1166	
Trous bougies préchauf.	Un seul Ø : 11		Deux Ø 8 et 11
DISTRIBUTION			
Arbre à cames	Prévu pour tous types : Cames décalées de 108° avec adjonction d'une rainure de graissage à la portée centrale.		
	MONTAGE ACTUEL Cames décalées de 103°30		
Ø des portées	Id.	Id.	Id.
Soupapes ADM.	Ø tête 38,5		Ø tête 40,5
Soupapes ECH.	Ø tête 31,5		Ø tête 33,5
Attache des soupapes	Classique		Système TEVES (clavette en "coin").
Cuvette supérieure	Classique, emboutie		Pleine, usinée
Ressort extérieur	Id. Ø fil 3,8 - Longueur libre : 39,06		Ø fil 4 long libre : 38,76
Ressort intérieur	Id.	Id.	Id.
Tiges culbuteurs	Id.	Id.	Id.
Poussoirs	Id.	Id.	Id. mais superfinition
Culbuteurs	Particulier	Particulier	Renforcés
Axe de rampe	Id. Ø 16	Id.	Particulier
Paliers de rampe et pièces interm. de graissage	Id.	Id.	Particulières
Ressorts d'appui	Id.	Id.	Particuliers
Rondelles et segments d'arrêt	Id.	Id.	Particuliers

	XDP 85	XD 85	XD 88
Pignonerie	Id.	Id.	Id.
CARTER DISTRIBUTION	Particulier Ne supporte pas poulie de ventilateur	Particulier Supporte ventilateur non débrayable	Particulier Supporte ventilateur bossage "porte-charbon" usiné pour V.D.
Arbre de ventilateur	Voir pompe à eau	Arbre non V.D. court	Spécial pour V.D. long
Roulements	Voir pompe à eau	1 roulement 12 × 37 × 12 SKF 6301 RS. 1 roulement 15 × 42 × 13 SKF 6302 RS.	
Joint AV.	42 × 60 × 12 "CURTY"	42 × 60 × 10 - GACO	
Poulie ventilateur	Voir pompe à eau	Sans. V.D.	Poulie et électro assemblés.
Ventilateur	MONTAGE ACTUEL 6 pales acier (fixe sur pompe à eau) — 6 pales acier (fixé déporté) Prévu 6 pales "Nylon" (fixé sur pompe à eau) — (fixé déporté)		6 pales Nylon (débrayable déporté)
EQUIPEMENT D'INJECTION			
Pompe d'injection Support AR de pompe Porte-injecteur Injecteur Tarage Faisceau tuyaux injection	Silto A 4 90 - marque P.M. existe PM/BP 36 K 334/02 PM. OGD 230 120 ± 5 kg Id.		EP.VM 4×80 marque BOSCH Supprimé BOSCH KB 35 SD 535 / 4 BOSCH DN OSD 210 115 ± 5 kg particulier
Bougies Préchauffage	Id. BOSCH KE/GSA 10/1 - 10,5 volts		
Filtre combustible Cartouche	PM - CP 30 A PM - C. 112		BOSCH FJ. DHN 542 BOSCH FJSJ 27 S2Z
EMBRAYAGE	PKSC 12		PKSC 14
GRAISSAGE			
Pompe à huile			
Corps	Id.	Id.	Id.
Couvercle alu. Tube aspiration Filtre pompe	Particulier Particulier Particulier	Id. raccord biconique Id. Id.	Id. Id. Id.
Cuvette d'huile	Bac à l'AR non incliné	Bac à l'AV incliné	
Epurateur d'huile	PM. type "FULL FLOW"		
Cartouche	PM. chevronnée - "L 126"		

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