

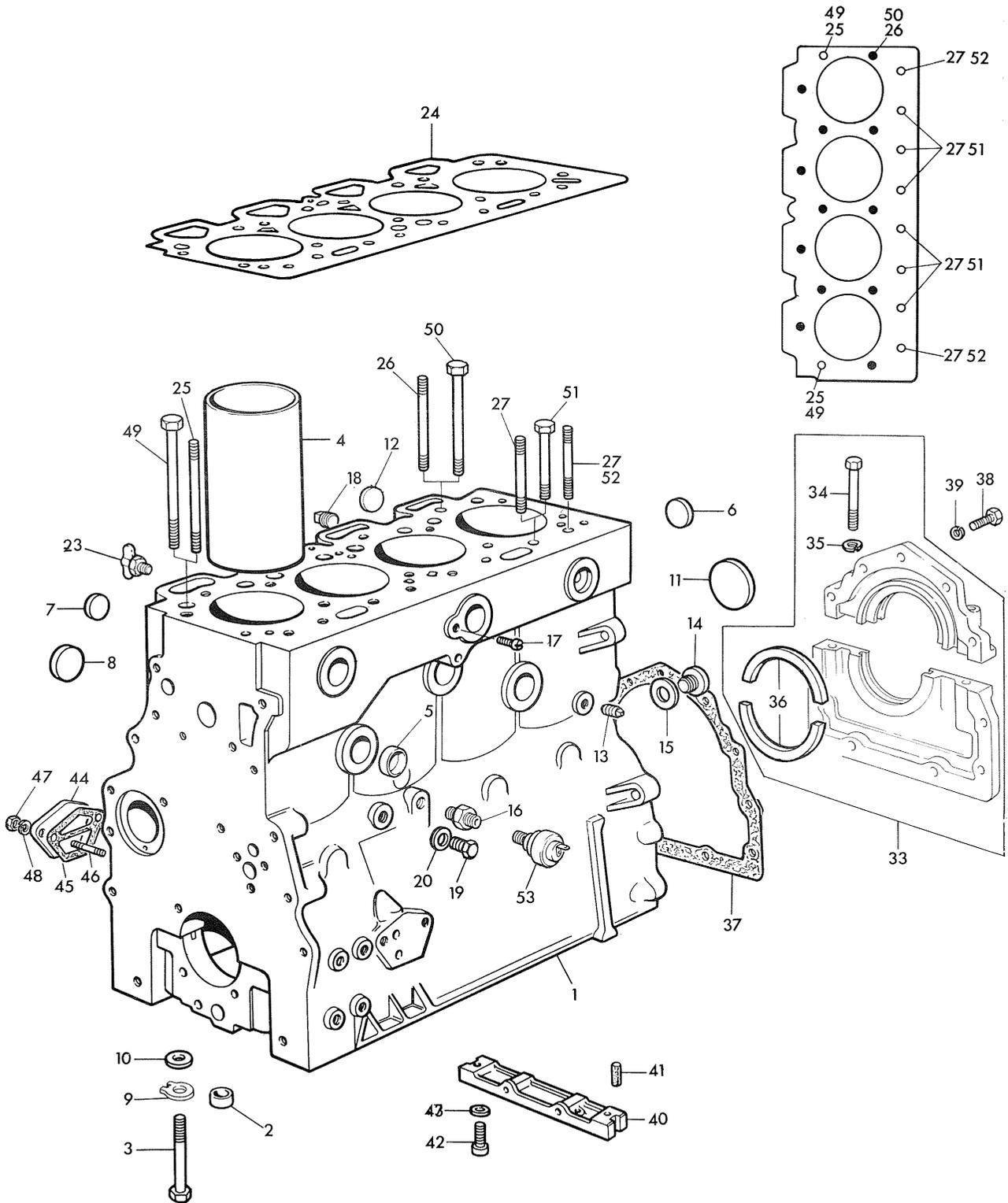
Sample of manual. Download All 151 pages at:  
<https://www.arespairmanual.com/downloads/jcb-perkins-engine-parts-manual/>

	1	2	3	4	5	6	7	8	9
<b>FRANCAIS</b>	Machine	Jusqu'au moteur No.	Construction moteur	Bloc cylindres	Vilebrequin	Mécanisme de distribution	Carter de volant	Entrainement auxiliaire	Montages moteur
<b>DEUTSCH</b>	Maschine	bis Motor-Nr.	Motorfabrikat	Zylinderblock	Kurbelwelle	Steuerung	Schwungrad- Gehäuse	Hilfsantrieb	Motoraufleger
<b>DANSK</b>	Maskine	Ind til motornr.	Maskinkon- struktion	Cylinderblok	Krumtapaksel	Takthjul	Svinghjulshus	Servo-drev	Motormonte- ringer
<b>SVENSKA</b>	Maskin	T.o.m. motor nr	Motortyp	Cylinderblock	Vevaxel	Kamaxeltrans- mission	Svånghjulsåpa	Hjålpdrev	Motorfåsten
<b>ESPANÔL</b>	Måquina	Hasta la Måquina No.	Construcción del motor	Bloque de Cilindros	Cigüeñal	Dispositivo de Distribución	Cårter del Volante	Propulsión Auxiliar	Montajes del Motor
<b>PORTUGUÊS</b>	Måquina	Até ao motor No.	Estrutura do motor	Bloco de cilindros	Cårter	Engrenagem de comando da distribuição	Caixa do volante do motor	Transmissão auxiliar	Apoios do motor
<b>ITALIANO</b>	Macchina	Fino al No. di motore	Tipo di motore	Blocco cilindri	Albero a gomiti	Ingranaggi della distribuzione	Sede volano	Trasmissione ausiliaria	Sostegni del motore

1	2	3	4	5	6	7	8	9
Machine	Change No.	Engine Build	Cylinder Block	Crankshaft	Timing Gear	Flywheel Housing	Auxiliary Drive	Engine Mountings
5C	E4707389	E	1	1 2-2	1 3-2	1 4-2	N/R	1 6-5
6	E4707389	E	1	1 2-2	1 3-2	1 4-2	N/R	1 6-5
702	M2966	F	1	1 2-2	1 3-2	1 4-2	N/R	1 6-4
704	M2966	F	1	1 2-2	1 3-2	1 4-2	N/R	1 6-4

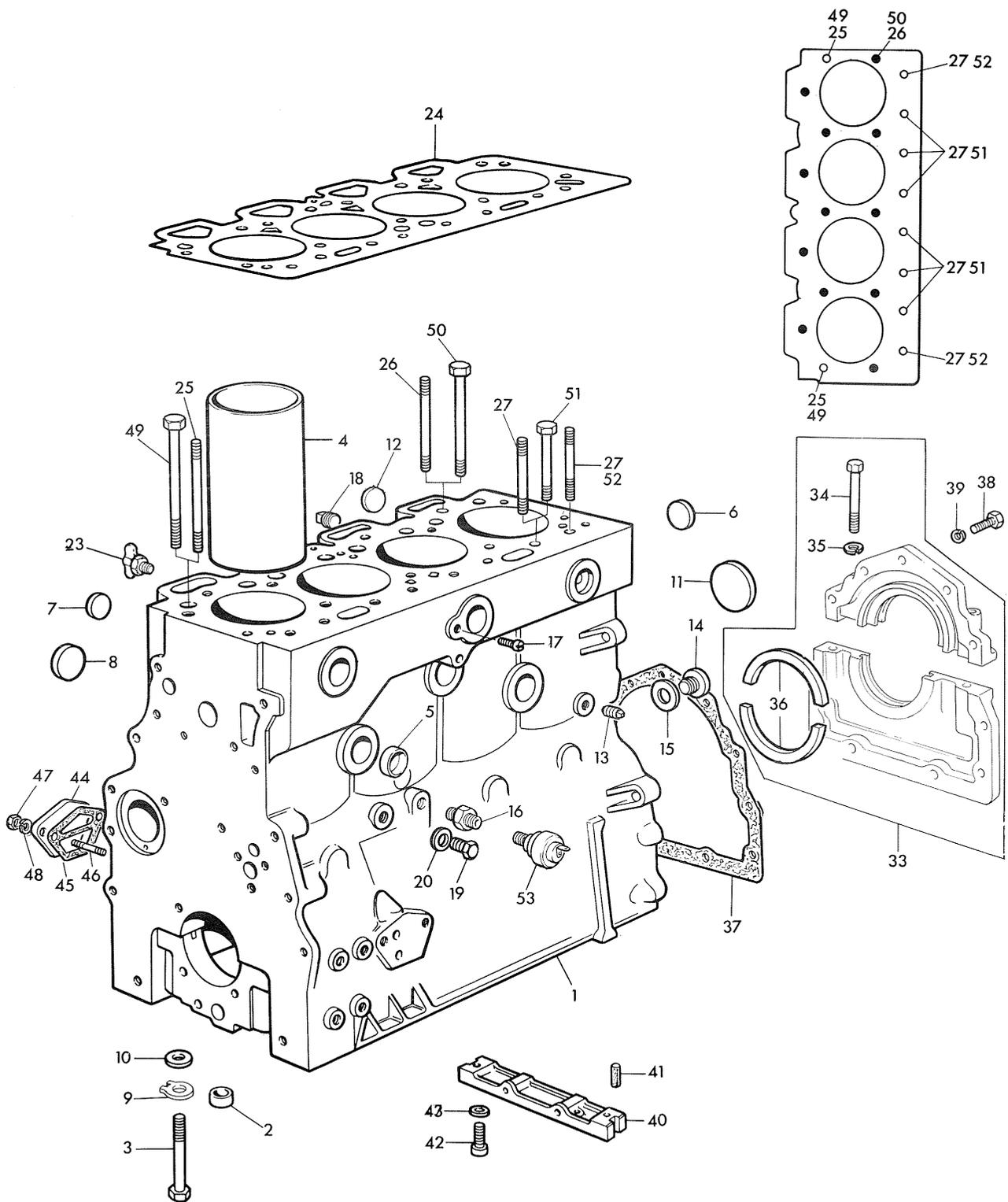
Sample of manual Download All 154 pages at:  
<https://www.artrepairmanual.com/downloads/jcb-perkins-engine-parts-manual/>

Product: JCB Perkins Engine Parts Manual  
 Full Download: [https://www.artrepairmanual.com/downloads/jcb-perkins-engine-p](https://www.artrepairmanual.com/downloads/jcb-perkins-engine-parts-manual/)  
[arts-manual/](https://www.artrepairmanual.com/downloads/jcb-perkins-engine-p)



CYLINDER BLOCK

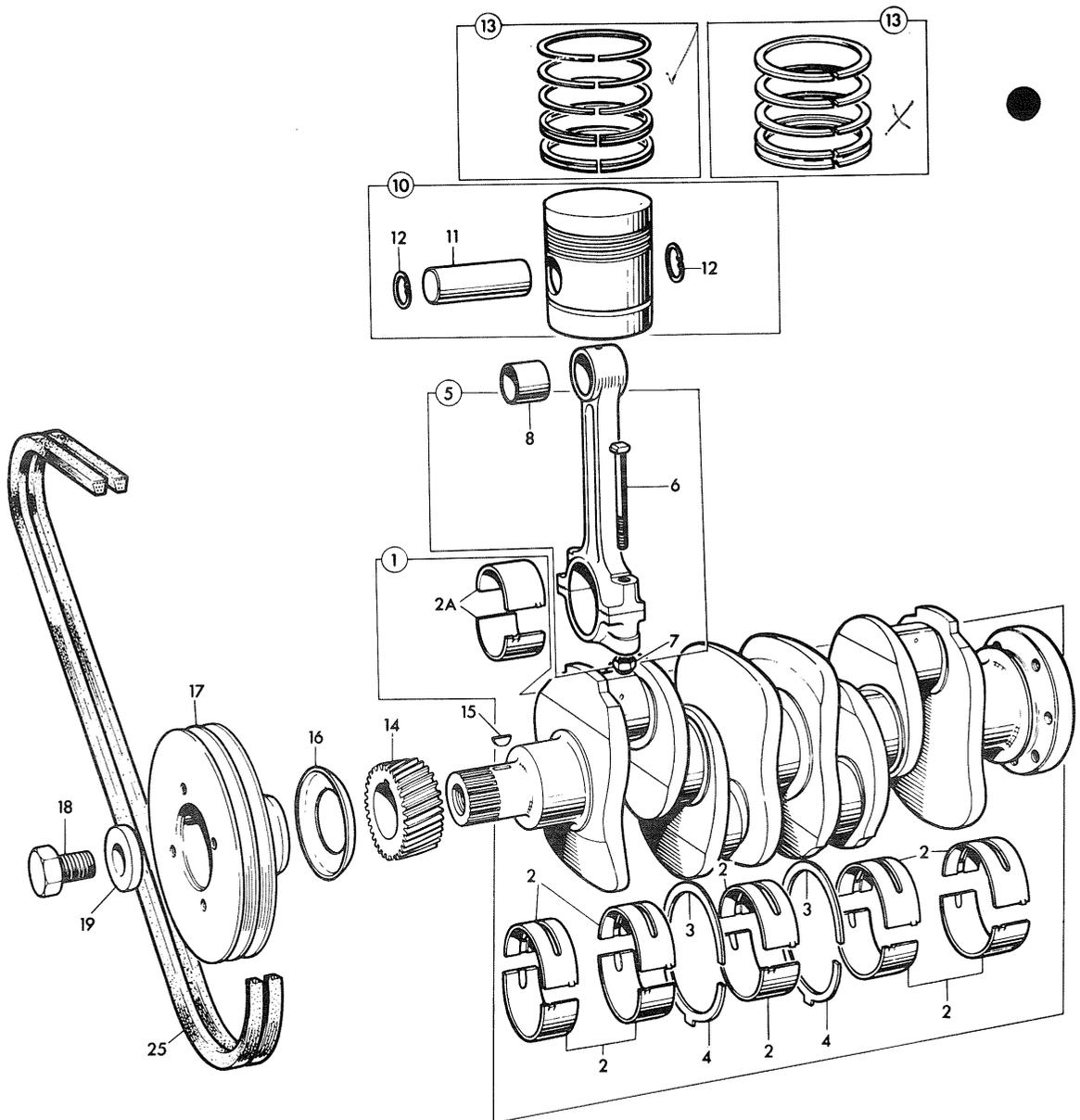
Item	Part No.	Change No.	Description	Qty. off Build						
				E	F					
1	83893	4704683	Cylinder Block	1						
	84583	Superseded		1						
	<del>90062</del>			1						
	84788	Superseded	Cylinder Block		1					
	<del>90062</del>				1					
	<i>Use 92883 with new lift pump and paperwork.</i>									
2	33142111	.....	:Thimble	10	10					
3	32166314	.....	:Bolt	10	10					
4	31358324	<i>02/2020</i>	:Liner	4	4					
5	0650710	.....	:Plug	6						
	0650563	.....	:Plug		6					
6	0650710	.....	:Plug	2						
	0650563	.....	:Plug		2					
7	0650618	.....	:Plug	4	4					
8	0650712	.....	Plug	4						
	<del>0652577</del>	.....	Plug		4					
9	N.S.P.	.....	Tabwasher							
10	0760001	.....	Washer	10	10					
11	32416105	.....	Plug	1	1					
12	32417133	.....	Plug	1	1					
13	0650593	Superseded	Plug	1	1					
	2431132									
14	0650582	.....	Plug	1	1					
15	0920130	.....	Washer	1	1					
16	0206002	.....	Union	1	1					
17	32114116	.....	Plug	1	1					
18	32417134	.....	Plug	1	1					
19	0746451	.....	Bolt	3	2					
20	0920155	.....	Washer	3	2					
23	31422	.....	Drain Tap	1	1					
24	36812315	236U63266	Gasket	1	1					
	36812331	Superseded		1	1					
	<del>36812334</del>			1	1					
	<del>36812338</del>									
25	32526313	.....	Stud	2	2					



CYLINDER BLOCK

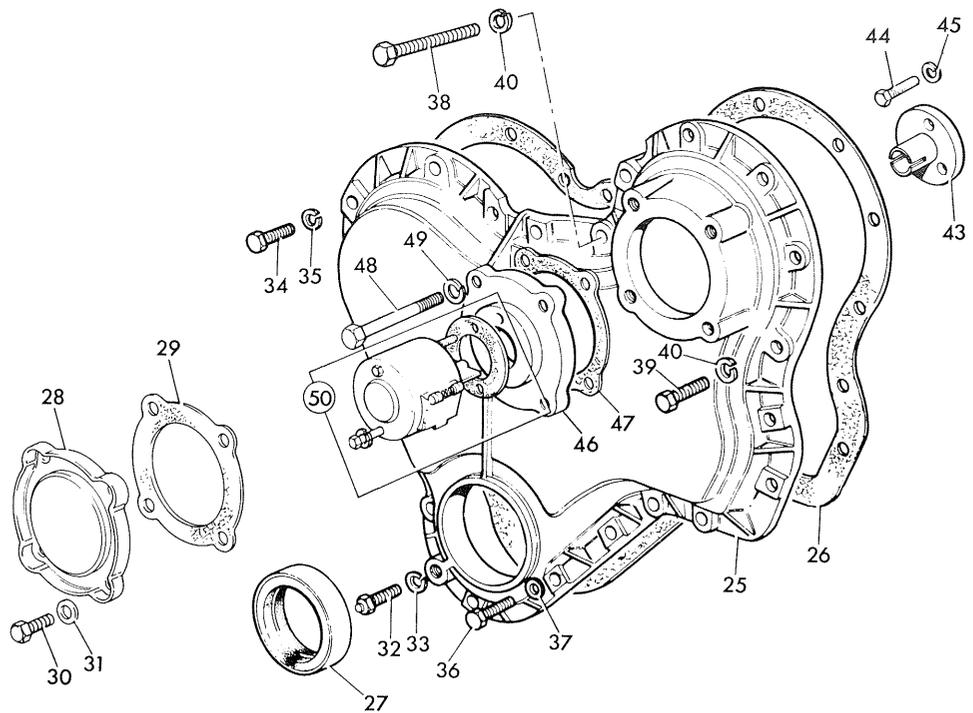
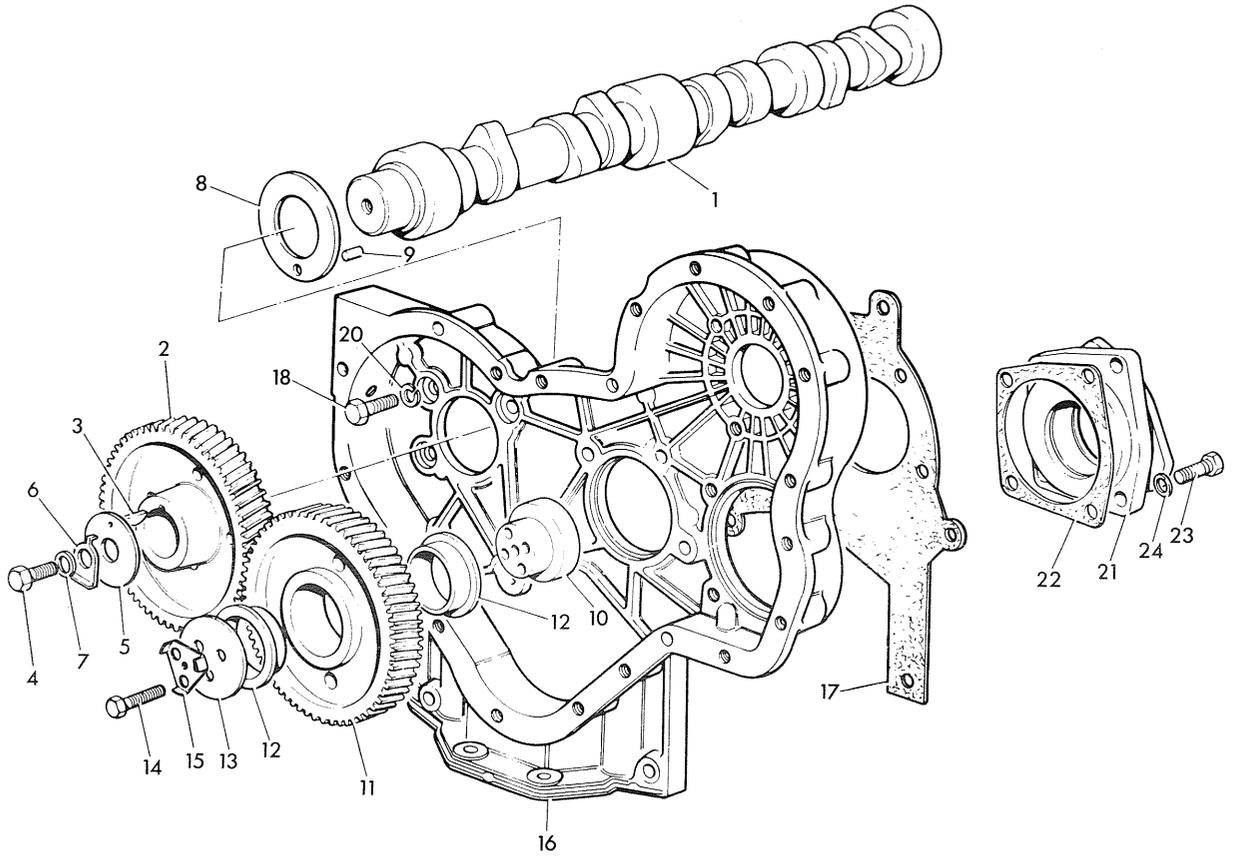
1 1-2

Item	Part No.	Change No.	Description	Qty. off Build	
				E	F
26	32526311	.....	Stud	12	12
27	32526312	.....	Stud	8	8
33	59537	.....	Housing Assembly	1	1
34	0096238	.....	:Bolt	2	2
35	0920053	.....	:Spring Washer	2	2
36	36883108	.....	:Oil Seal	2	2
37	36817136	.....	Gasket	1	1
38	0746211	.....	Bolt	11	11
39	0920053	.....	Spring Washer	11	11
40	36277831	.....	Bridge Piece	1	1
41	32811408	.....	Seal	2	2
42	2176319	Superseded	Screw	2	
	2176369	.....	Screw	2	2
43	0920521	.....	Washer	2	2
44	x 36232108	..... Not Available	Blanking Plate	1	1
	Use 36231472				
45	x 36862517	..... Not Available	Gasket	1	1
	Use 36862523				
46	0826623	.....	Stud	2	2
47	0576054	.....	Nut	2	2
48	0920055	.....	Spring Washer	2	2
49	32181426	.....	Bolt	2	2
50	32181425	.....	Bolt	12	12
51	32181424	.....	Bolt	6	6
52	32526312	.....	Stud	2	2



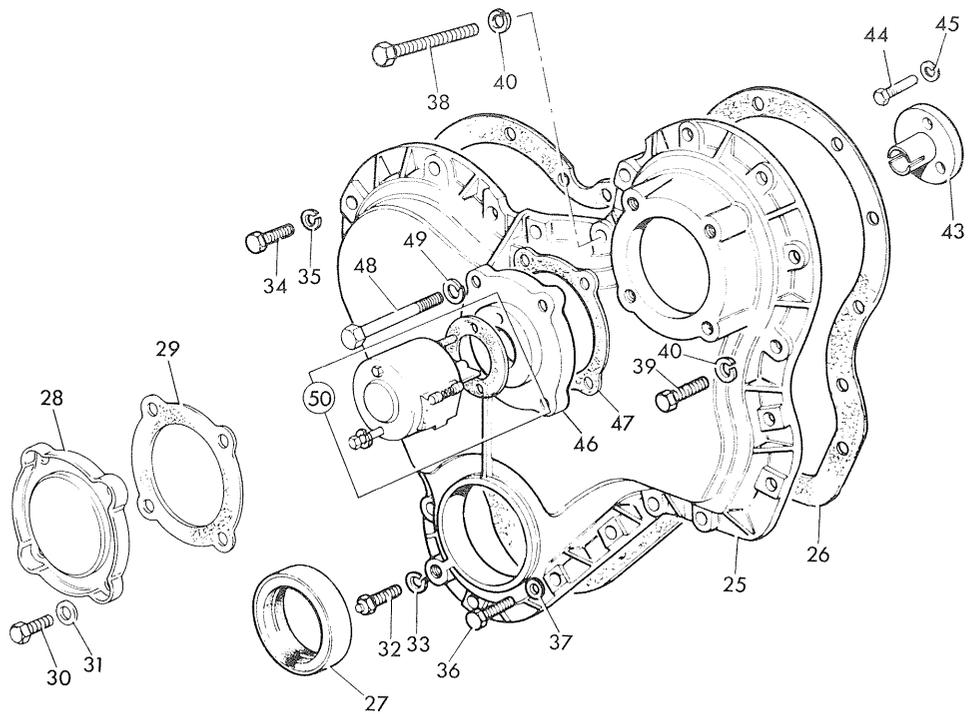
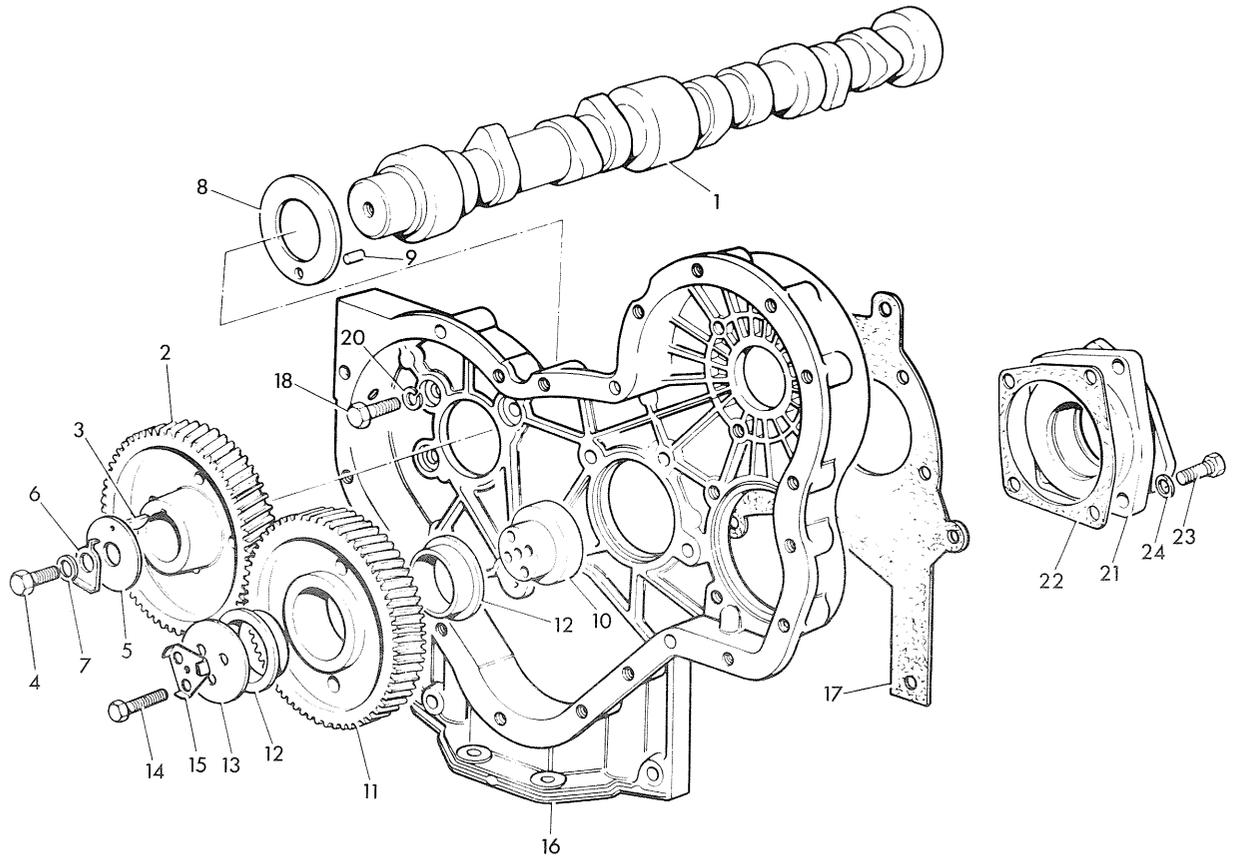
CRANKSHAFT

Item	Part No.	Change No.	Description	Qty. off Build								
				E	F							
1	31315881	Superseded	Crankshaft	1								
	×84421× 35821	.....	Crankshaft & Bearing Kit " (ROPE SEAL)	1	1							
	81558	.....	: Main Bearing Set STD	1	1							
2	81558A	.....	:Main Bearing Set .010in. U/S	1	1							
	81558B	.....	:Main Bearing Set .020in. U/S	1	1							
	81558C	.....	:Main Bearing Set .030in. U/S	1	1							
2A	85042	.....	:Big End Bearing Set STD	1	1							
	85042A	.....	Big End Bearing Set .010in. U/S	1	1							
	85042B	.....	Big End Bearing Set .020in. U/S	1	1							
3	85042C	.....	Big End Bearing Set .030in. U/S	1	1							
	31137175	4704683	:Thrust Washer—Top STD	2								
	31137311			2	2							
4	31137176	4704683	Thrust Washer—Top .007in. O/S	A/R	A/R							
	31137312			A/R	A/R							
	31137181	4704683	:Thrust Washer—Bottom STD	2								
5	31137321			2	2							
	31137182	4704683	Thrust Washer—Bottom .007in.O/S	A/R	A/R							
	31137322			A/R	A/R							
5	80038	Superseded	Connecting Rod Assembly Major	4								
	59554	Superseded	Connecting Rod Assembly Minor	4								
	84920		Connecting Rod Assembly Minor	4	4							
6	32762107	Superseded	:Bolt	8								
	32762116		:Bolt With 84920	8	8							
7	2211156	Superseded	:Nut	8								
	33221321		:Nut With 84920	8	8							
8	31134123	.....	:Bush	4	4							
	82878		Piston Assembly Minor STD	4	4							
10	82878C		Piston Assembly Minor .030in.O/S	4	4							
				4	4							
11	N.S.P.	.....	:Gudgeon Pin	4	4							
12	0170002	.....	:Circlip	8	8							
13	83388	.....	Piston Ring Kit STD 1 Piston	4	4							
	83388C	.....	Piston Ring Kit .030in. O/S	4	4							
14	31171681	.....	Gear	1	1							
15	0500012	.....	Key	1	1							
16	33157523	.....	Flange	1	1							
17	31152681	.....	Pulley	1	1							
18	32162319	.....	Bolt	1	1							
19	33125124	.....	Washer	1	1							
25	2612464	Superseded	V Belts	1pr	1pr							
	2612424	ii	V Belt — Single Belt	2	2							
	990/38800											
9802/2141												



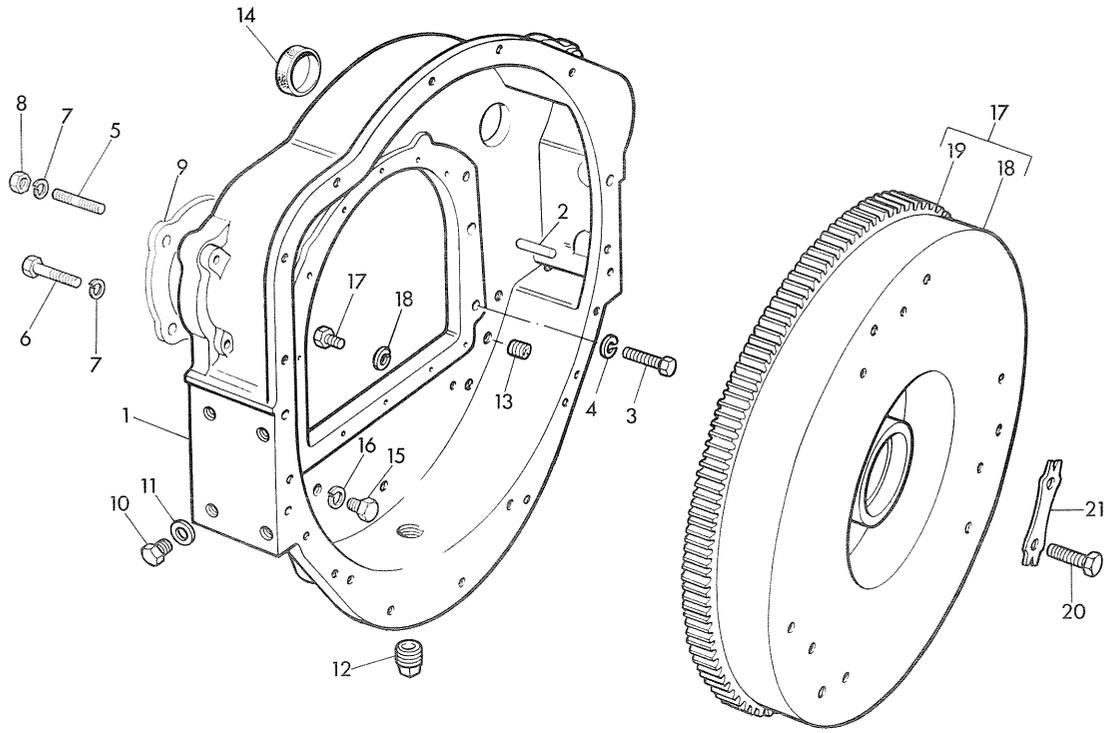
TIMING GEAR

Item	Part No.	Change No.	Description	Qty. off Build										
				E	F									
1	31415292	.....	..... Camshaft	1	1									
2	31171351 31171353	Superseded	Gear	1	1									
3	0500012	.....	..... Key	1	1									
4	2182122	.....	..... Bolt	1	1									
5	33153128	.....	..... Washer	1	1									
6	31733121	.....	..... Tab Washer	1	1									
7	33115408	.....	..... Shim	1	1									
8	33153121	.....	..... Thrust Washer	1	1									
9	0610844	.....	..... Dowel	1	1									
10	0450035	.....	..... Hub	1	1									
11	41115023	.....	..... Idler Gear	1	1									
12	0050345	.....	..... :Bush	2	2									
13	0941082	.....	..... Plate	1	1									
14	0096439	.....	..... Bolt	3	3									
15	0921246	.....	..... Tab Washer	1	1									
16	37161311 x 37161341 x 27161901	Superseded	Housing	1	1									
17	36814123	.....	..... Gasket	1	1									
18	0746255	.....	..... Bolt	9	9									
20	0920053	.....	..... Spring Washer	9	9									
21	37556146	.....	..... Blanking Plate	1										
	37513631	.....	..... Adapter Plate		1									
22	36866428 36861731	.....	Gasket Gasket	1	1									
23	0746252	.....	..... Bolt	4										
24	2411152	.....	..... Washer	4										
25	37166421 37166411	Superseded	Cover--Timing Case	1 1	1									
26	36813138	.....	..... Gasket	1	1									
27	2414324 x 2414325 x 32116	Superseded	Seal	1	1									
			<i>S/S 02/100217</i>											



TIMING GEAR

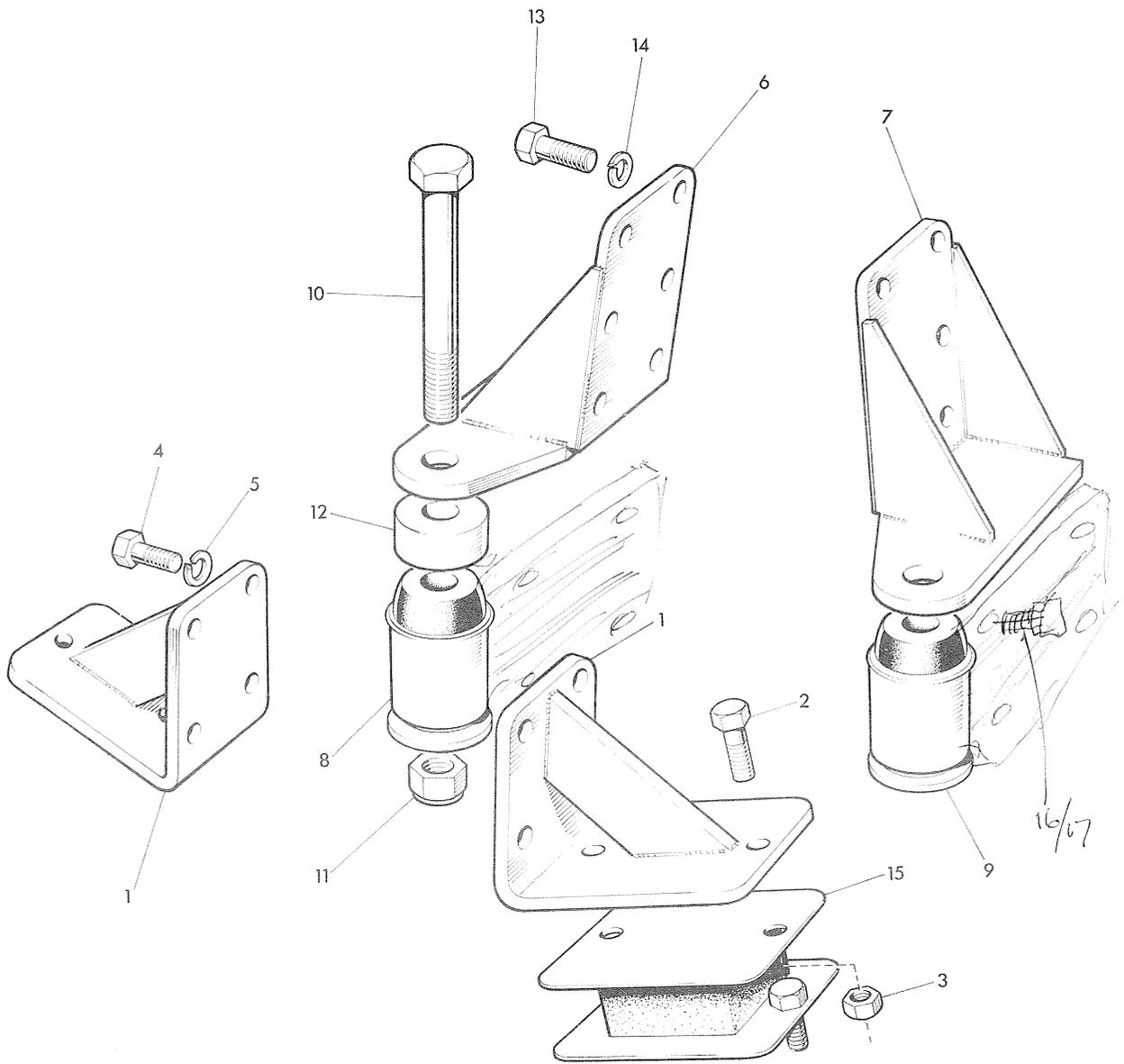
Item	Part No.	Change No.	Description	Qty. off Build						
				E	F					
28	37556117	.....	..... Cover	1	1					
29	36825107	.....	..... Gasket	1	1					
30	0746252	.....	..... Bolt	4	4					
31	2411152	.....	..... Washer	4	4					
32	32186118 32186127	Superseded	Pin—Engine Timing	1 1	1 1					
33	2411515 2411151	.....	..... Washer	1	1					
34	0746454	.....	..... Bolt	1	1					
35	0920054	.....	..... Spring Washer	1	1					
36	0746255	.....	..... Bolt	3	3					
37	2411152	.....	..... Washer	3	3					
38	0096238	.....	..... Bolt	4	4					
39	0746255	.....	..... Bolt	12	12					
40	0920053	.....	..... Spring Washer	16	16					
43	37417482	.....	..... Adapter	1	1					
44	0746255	.....	..... Bolt	3	3					
45	0920053	.....	..... Spring Washer	3	3					
46	37556155	.....	..... Adapter Plate	1	1					
47	36825107	.....	..... Gasket	1	1					
48	0746252	.....	..... Bolt	4	4					
49	2411152	.....	..... Spring Washer	4	4					
50	251/14500	.....	..... Hourmeter	1	1					
	N.S.P.	.....	..... :Gasket	1	1					
	N.S.P.	.....	..... :Bolt	2	2					
	N.S.P.	.....	..... :Spring Washer	2	2					



FLYWHEEL HOUSING

1 4-2

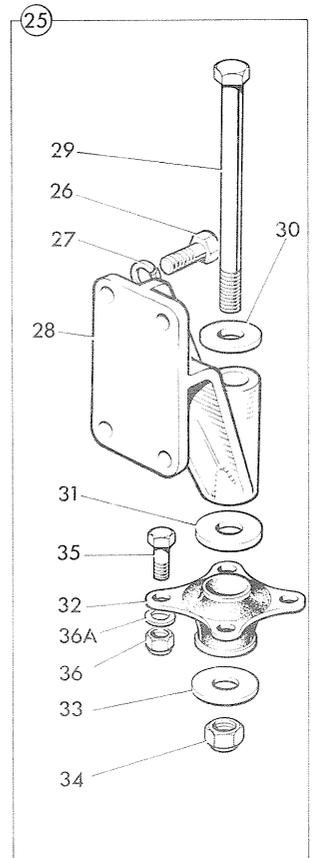
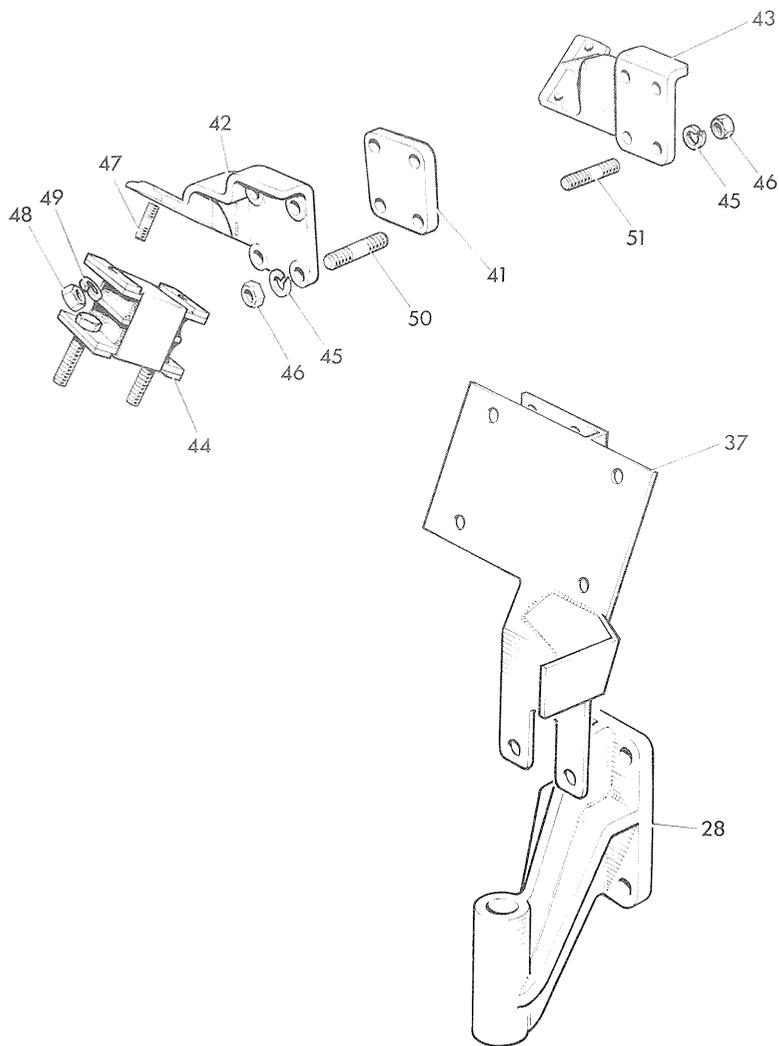
Item	Part No.	Change No.	Description	Qty. off Build						
				E	F					
1	× 37134611	.....	.....	Flywheel Housing	1					
	37136723	.....	.....	Flywheel Housing		1				
2	0350025	.....	.....	Dowel	2	2				
3	0746454	Superseded		Bolt	6					
	× 0746424	.....	.....	Bolt	6					
	0096431	.....	.....	Bolt—Short		2				
	0096432	.....	.....	Bolt—Long		4				
4	0920054	.....	.....	Spring Washer	6	6				
5	0827802	236U387		Stud	3					
	0827802	.....	.....	Stud		3				
6	0748526	.....	.....	Bolt	3					
7	0920054	.....	.....	Spring Washer	3	3				
8	0576051	236U387		Nut	3					
	0576051					3				
9				Gasket—Not required on these applications.						
10	2232161	.....	.....	Plug		8				
11	0920150	.....	.....	Washer		8				
12	2431154	.....	.....	Plug		1				
13	32114441	.....	.....	Plug		6				
14	32815118	.....	.....	Plug		1				
15	2232142	.....	.....	Plug		3				
16	0920054	.....	.....	Spring Washer		3				
17	41112441	Superseded		Flywheel Assembly		1				
	41112682					1				
	41112339	.....	.....	Flywheel Assembly	1					
18	N.S.P.	.....	.....	:Flywheel	1	1				
19	31162121	.....	.....	:Starter Ring	1	1				
20	32162203	.....	.....	Bolt	6					
	0746851	.....	.....	Bolt		6				
21	0921062	.....	.....	Tab Washer	3	3				



ENGINE MOUNTINGS

1 6-4

Item	Part No.	Change No.	Description	Qty. off Build
				F
1	251/02300	.....	..... Bracket - Rear	2
2	1305/3208	.....	..... Bolt	4
3	1340/0203	.....	..... Nut	4
4	1305/0306	.....	..... Bolt	8
5	1416/0007	.....	..... Spring Washer	8
6	251/01700	.....	..... Bracket-Front-L.H.	1
7	251/01800	.....	..... Bracket-Front-R.H.	1
8	251/01504	.....	..... Mounting Rubber-L.H.	1
9	251/01505	.....	..... Mounting Rubber-R.H.	1
10	826/00151	.....	..... Bolt	2
11	1340/0603	.....	..... Nut	2
12	251/01502	.....	..... Spacer	2
13	1305/1910	.....	..... Bolt	12
14	1416/0008	.....	..... Spring Washer	12
15	2634758	.....	..... Mounting Rubber-Rear	2
16	1305/3318		Bolt	8
17	1340/0303		Nut	8

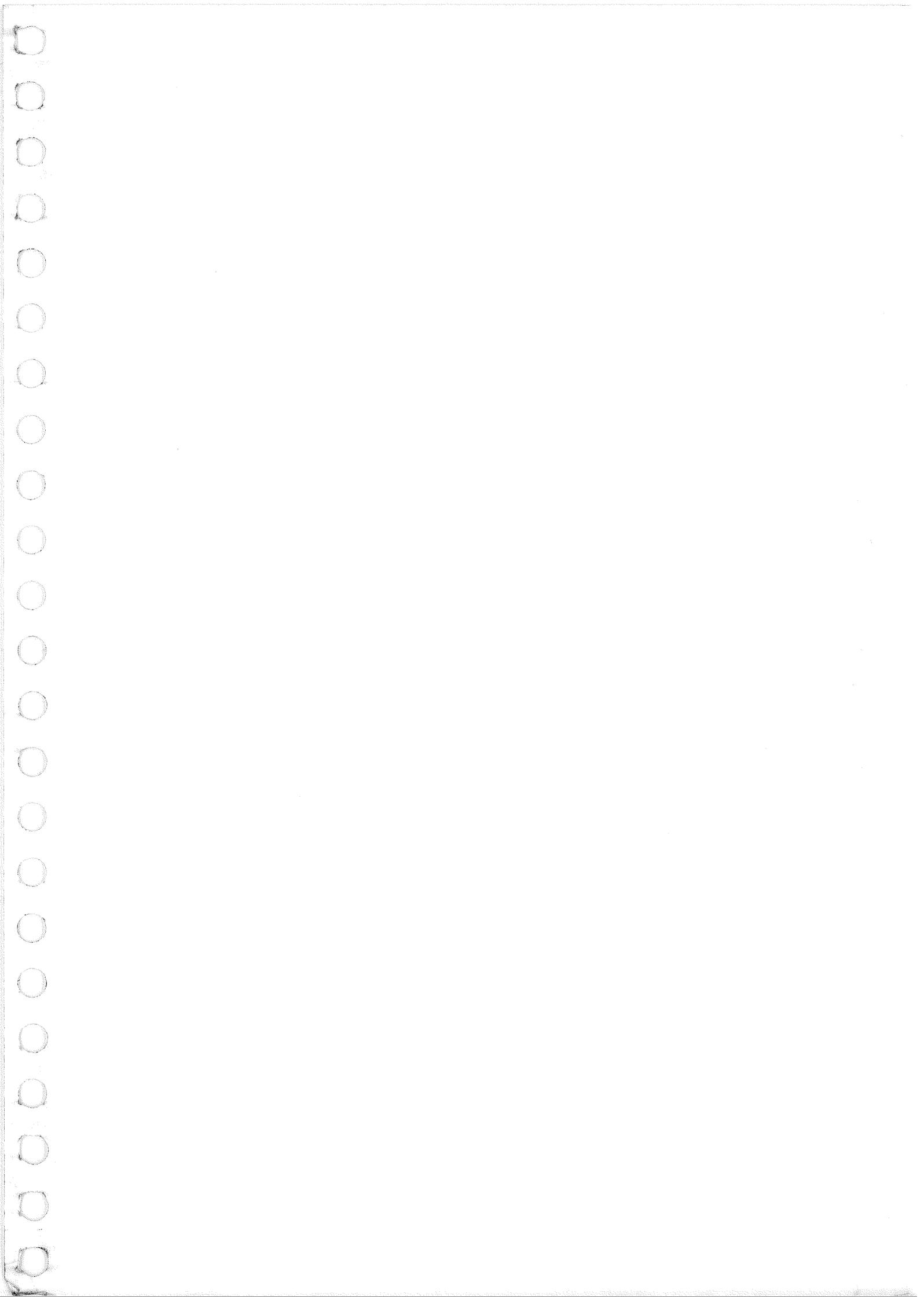


ENGINE MOUNTINGS

1 6-5

Item	Part No.	Change No.	Description	Qty.	off	Build
						<b>E</b>
25	N.S.P.	Superseded	Engine Bracket Assembly—Front	2		
	N.S.P.	.....	Engine Bracket Assembly—Front R.H.	1		
	N.S.P.	.....	Engine Bracket Assembly—Front L.H.	1		
26	1305/0410	.....	:Bolt	8		
27	1416/0008	.....	:Spring Washer	8		
28	200/56001	Superseded	:Bracket	2		
	200/56001	.....	:Bracket—R.H.	1		
	200/56000	.....	:Bracket—L.H.	1		
29	1305/6647	.....	:Bolt	2		
30	1411/0007	.....	:Washer	2		
31	0920806 0920826	Superseded	:Overload Washer	2		
32	2635116	.....	:Rubber Mounting	2		
33	0920445	.....	:Rebound Washer	2		
34	1340/0603	.....	:Nut	2		
35	1305/3208	.....	:Bolt	8		
36	1340/0203	.....	:Nut	8		
36A	1410/0007	.....	:Washer	2		
37	206/08000	.....	Bracket	1		
41	805/00067	.....	Spacer	1		
42	38313581	.....	Bracket—Rear—R.H.	1		
43	38313513	.....	Bracket—Rear—L.H.	1		
44	2634758	.....	Mounting Rubber	2		
45	0920055 1411/0004	Superseded	Spring Washer	8 8		
46	0576054 1340/0303	236U386	Nut	8 8		
47	0826402	.....	Stud	4		
48	0576051	.....	Nut	4		
49	0920054	.....	Spring Washer	4		
50	0826618 0826632	236U387	Stud—Rear—R.H.	4 4		
51	0826618	.....	Stud—Rear—L.H.	4		



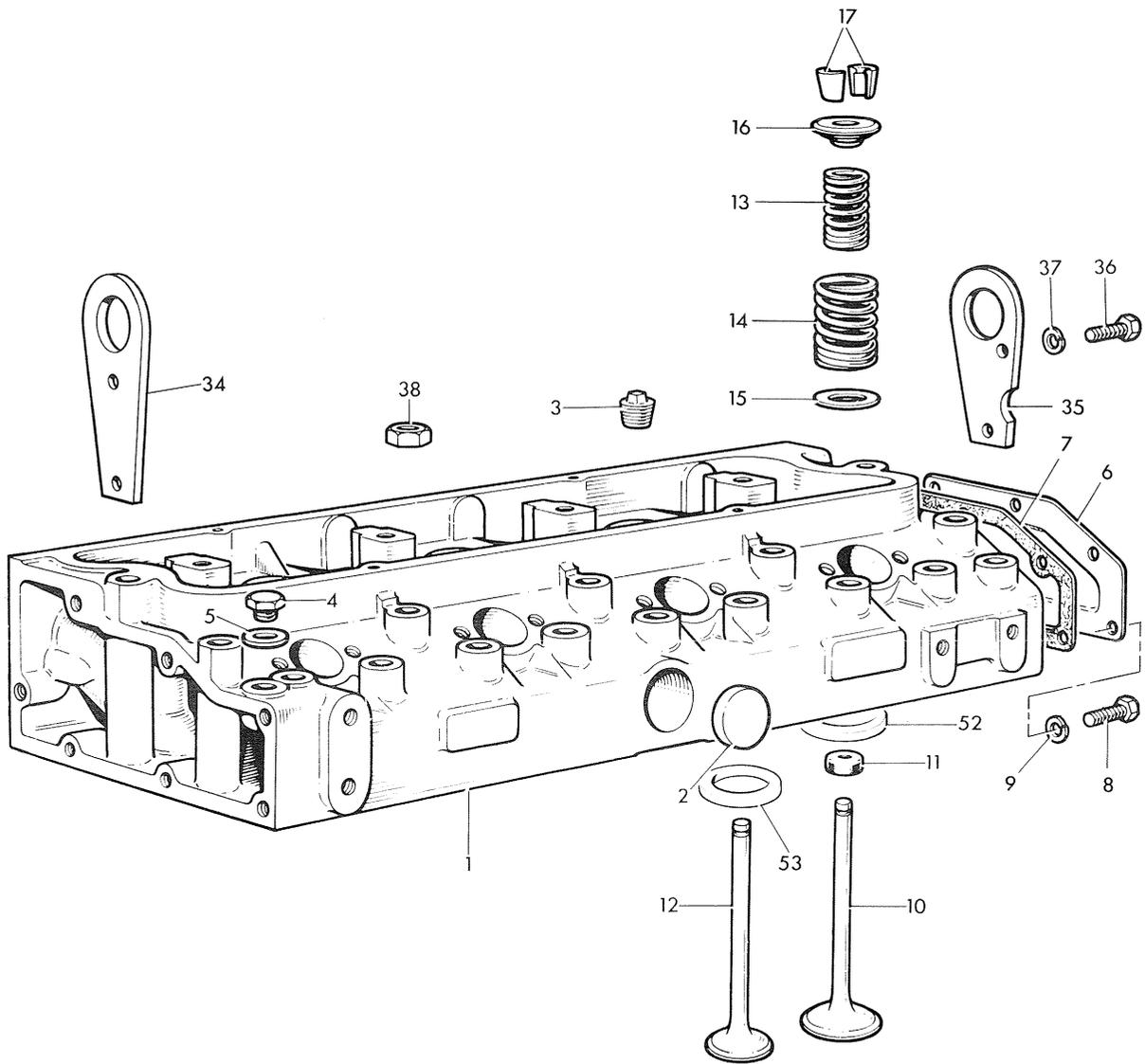


1 2 3 4 5 6 7

	1	2	3	4	5	6	7
<b>FRANCAIS</b> Machine	Jusqu'au moteur No.	Construction moteur	Culasse	Couvre-culasse	Arbre porteculbuteurs	Ecrans thermiques	
<b>DEUTSCH</b> Maschine	bis Motor-Nr.	Motorfabrikat	Zylinderkopf	Zylinderkopfdeckel	Schwinghebelwelle	Wärmeschutzbleche	
<b>DANSK</b> Maskine	Ind til motornr.	Motor konstruktion	Cylindertopstykke	Hætte til cylindertopstykke	Vuggeaksel	Varmeskærme	
<b>SVENSKA</b> Maskin	T.o.m. motor nr	Motor typ	Cylinderlock	Ventilkåpa	Vipparmsaxel	Värmskydd	
<b>ESPANÓL</b> Máquina	Hasta la Máquina No.	Construcción del Motor	Culata del Cilindro	Tapa de la Culata del Cilindro	Eje de Balancín	Protectores contra el Calor	
<b>PORTUGUÊS</b> Máquina	Até ao motor No.	Estrutura do motor	Cabeça de cilindros	Tampa da cabeça de cilindros	Veio dos Balanceiros	Protectores de calor	
<b>ITALIANO</b> Macchina	Fino al No. di motore	Tipo di motore	Testata cilindri	Coperchio testa cilindri	Albero bilancieri	Scudo termico	

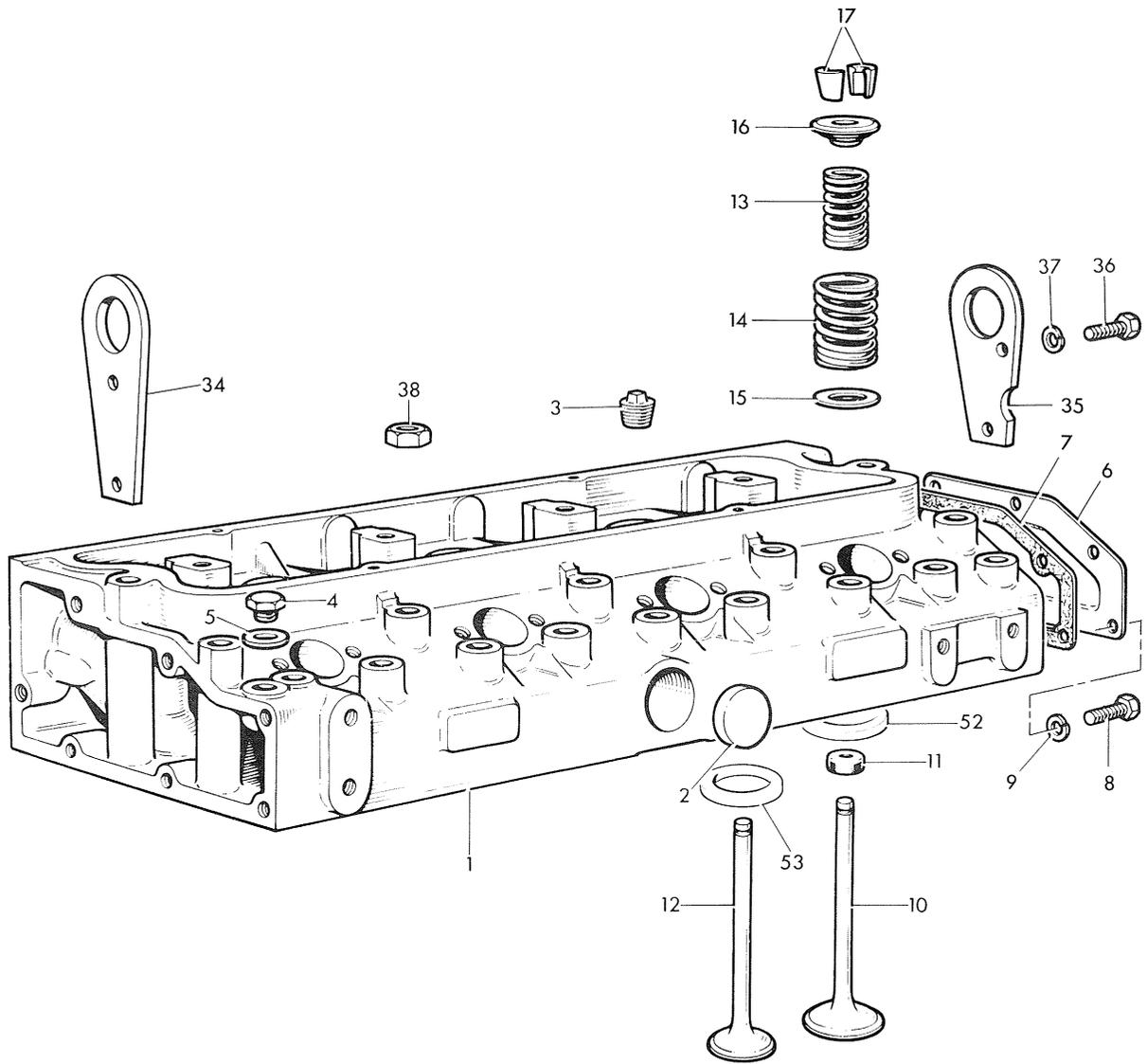


1	2	3	4	5	6	7
Machine	Change No.	Engine Build	Cylinder Head	Cylinder Head Cover	Rocker Shaft	Heat Shield
5C	E4707389	E	2 1-2	2 2-2	2 3-2	N/R
6	E470389	E	2 1-2	2 2-2	2 3-2	N/R
702	M2966	F	2 1-2	2 2-2	2 3-2	N/R
704	M2966	F	2 1-2	2 2-2	2 3-2	N/R



CYLINDER HEAD

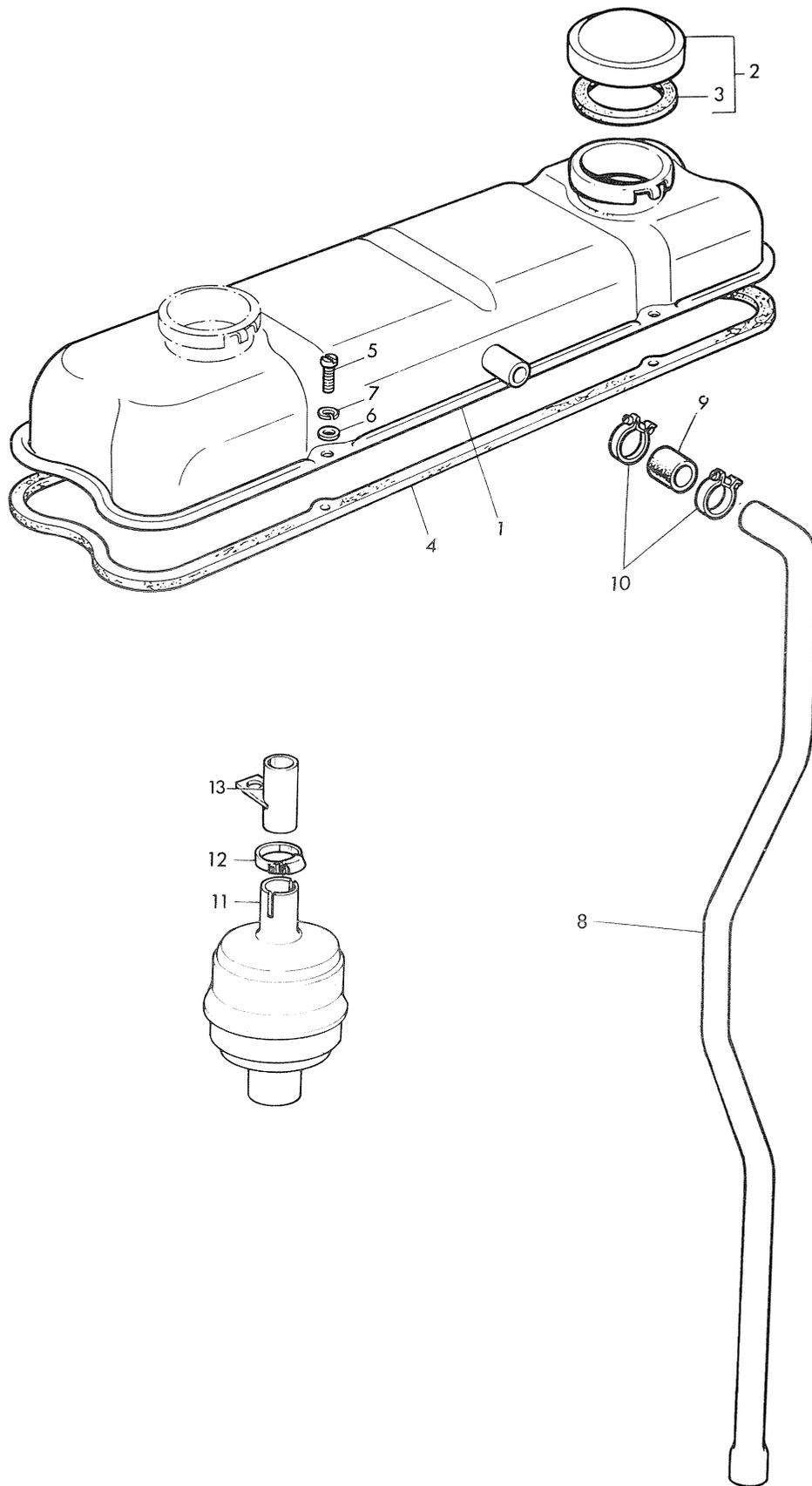
Item	Part No.	Change No.	Description	Qty. off Build														
				E	F													
1	83509	Superseded	Cylinder Head Assembly	1														
	x 86608	s/s	<del>236U26207</del>	1														
	x 86588	r s/s		1	1													
	86584																	
2	0650563	.....	:Core Plug	1	1													
3	2431154	.....	:Plug	2	2													
4	0650203	.....	:Plug	1	1													
5	2411157	.....	:Washer	1	1													
6	37553121	.....	:Cover	1	1													
7	36851409	.....	:Gasket	1	1													
8	0746254	.....	:Bolt	6	6													
9	0920053	.....	:Spring Washer	6	6													
10	31431103	Superseded	:Inlet Valve -STD	4	4													
	31431641																	
	31431401	.....	Inlet Valve-.003in. O/S	A/R	A/R													
	31431402	.....	Inlet Valve-.015in. O/S	A/R	A/R													
	31431403	.....	Inlet Valve-.030in. O/S	A/R	A/R													
11	2415304	Superseded	:Deflector	8	8													
	33817117		:Deflector	8	8													
	2415305	Superseded	Deflector-.030in. O/S	A/R	A/R													
	33817119																	
12	31431104	Superseded	:Exhaust Valve-STD	4	4													
	31431109		:Exhaust Valve-STD	4	4													
	31431411	.....	Exhaust Valve-.003in. O/S	A/R	A/R													
	31431412	.....	Exhaust Valve-.015in. O/S	A/R	A/R													
	31431413	.....	Exhaust Valve-.030in. O/S	A/R	A/R													
13		.....	:Valve Spring-Inner Not used on these applications.															
14	0780272	.....	:Valve Spring-Outer	8	8													
15	33123117	.....	:Spring Seat	8	8													
16	33423122	.....	:Collet Holder	8	8													
17	33173108	.....	:Collet	8prs	8prs													
34	36177111	.....	Lifting Plate	1	1													
35	36177111	.....	Lifting Plate	1	1													
36	0746453	.....	Bolt	2	2													
37	0920054	.....	Spring Washer	2	2													
38	33221316	.....	Nut - 'Stud Fixing' Quantity	22	22													
	33221316	.....	Nut - 'Bolt Fixing' Quantity	2	2													



CYLINDER HEAD

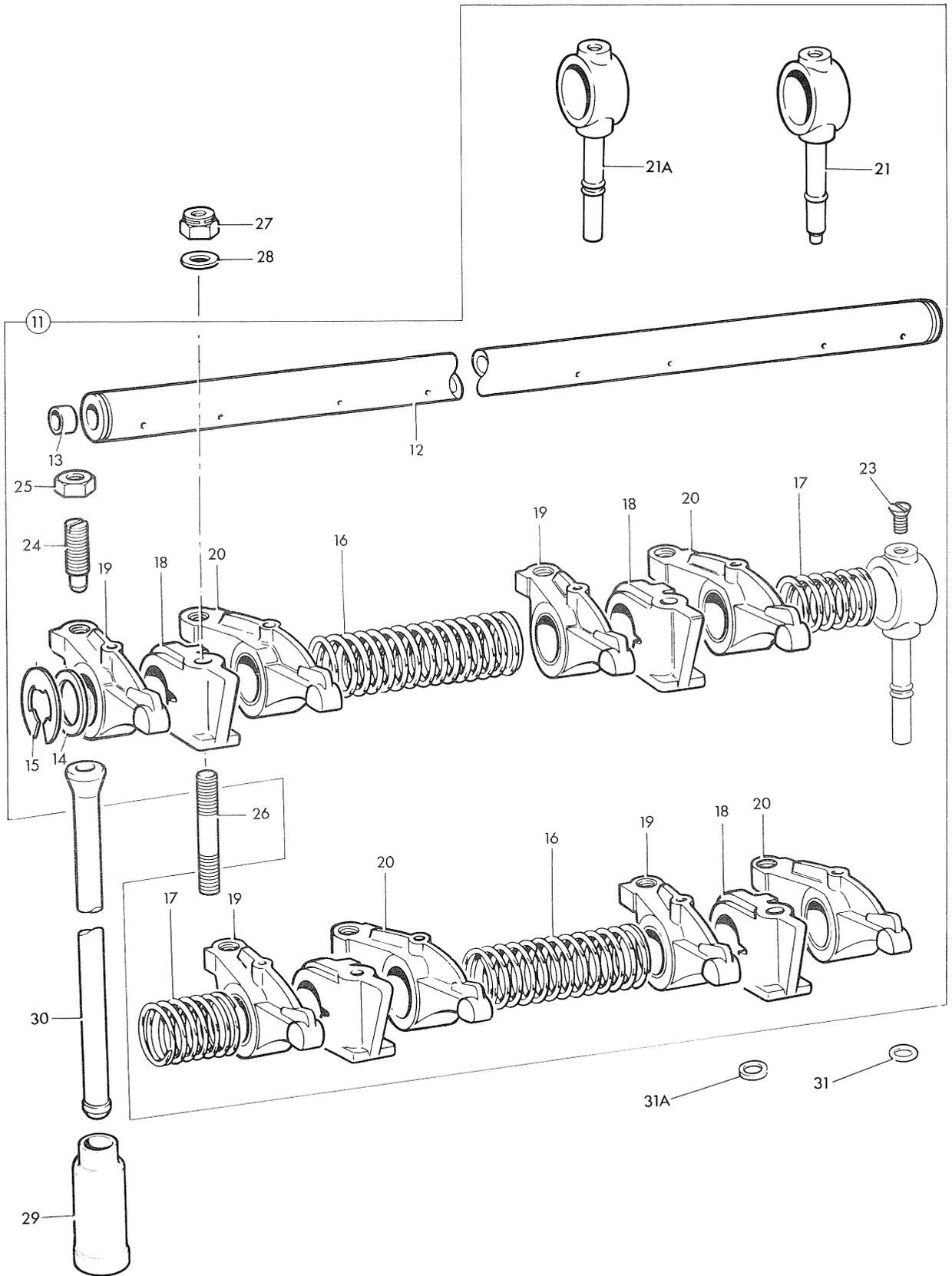
2 1-2

Item	Part No.	Change No.	Description	Qty. off Build	E	F						
52	33125121	N.S.P	..... Seat Insert - Inlet		<del>A/R</del>	A/R						
53	33124425 33152139	Superseded	Seat Insert - Exhaust		A/R	A/R						



CYLINDER HEAD COVER

Item	Part No.	Change No.	Description	Qty. off Build										
				E	F									
1	371881 <sup>4</sup> <del>84</del>	.....	..... Cylinder Head Cover	* 1	1									
2	2487845	.....	..... Filler Cap	1	1									
3	24870002	.....	..... :Seal	1	1									
4	36811122 36811114	.....	..... Gasket	1	1									
5	2174018	.....	..... Screw	4	4									
6	0920002	.....	..... Washer	4	3									
7	0920052	.....	..... Spring Washer	4	4									
8	35732545 35732515	.....	..... Breather Pipe	1	1									
9	0202046 0202058	.....	..... Hose	1	1									
10	0180104 0180103	.....	..... Clip	2	2									
11	2652848	.....	..... Body	1	1									
12	0180064	.....	..... Clip	1	1									



Item	Part No.	Change No.	Description	Qty. off Build	
				E	F
11	x83254 x s/s x87618 x s/s 87144	236U26297	Rocker Shaft Assembly	1	
12	31411125 x83450 x s/s 83449	Superseded	:Rocker Shaft	1	1
13	0650507	.....	::Plug	2	2
14	33117415	.....	:Washer	2	2
15	0170151	.....	:Circlip	2	2
16	31744123	.....	:Spring – Long	2	2
17	31743108	.....	:Spring – Short	2	2
18	37521331	.....	:Bracket	4	4
19	37371281	.....	:Rocker Lever – R.H.	4	4
20	37371271	.....	:Rocker Lever – L.H.	4	4
21	35511109	236U26297	:Pipe	1	
21A	35511111	.....	:Pipe	1	1
23	0726504	.....	:Screw	1	1
24	0720579	.....	:Screw	8	8
25	0576052	.....	:Locknut	8	8
26	0826628	.....	Stud	4	4
27	2211284	.....	Nut	4	4
28	0920006	.....	Washer	4	4
29	31434161 31434162 31434163	Superseded s/s	Tappet	8 8	8 8
30	31434307	.....	Push Rod	8	8
31	2415801	236U26297	Seal Ring	1	
31A	33811113			1	1