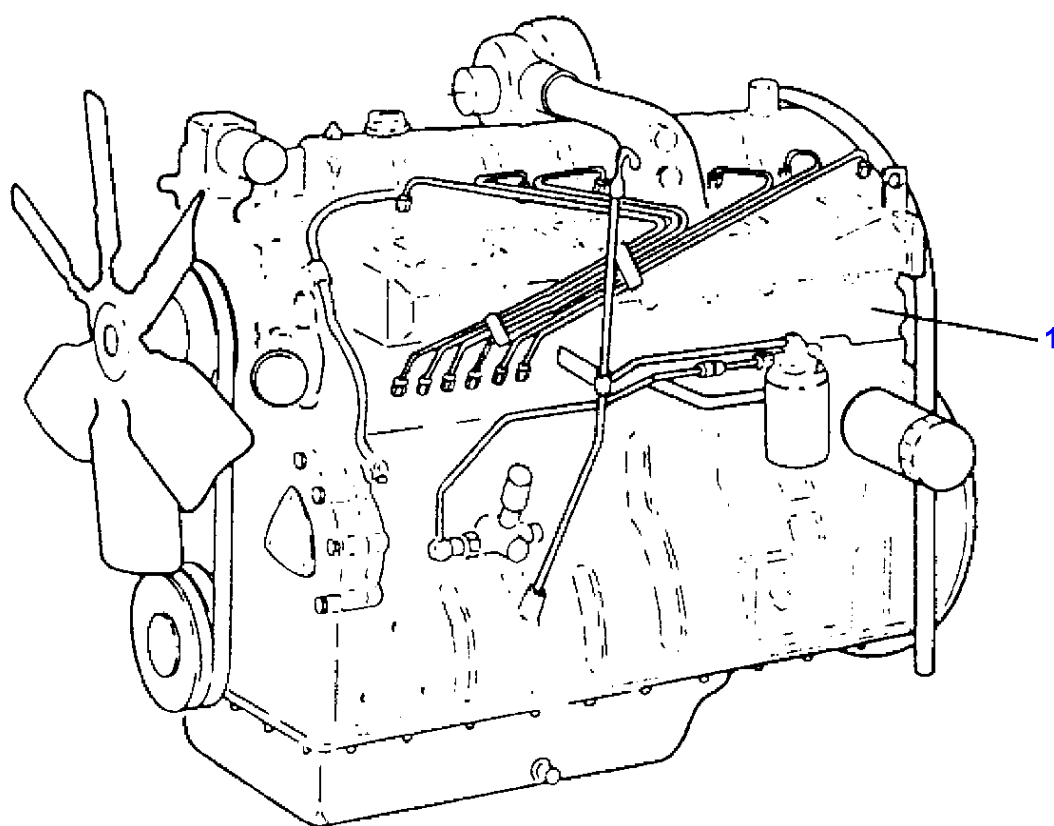


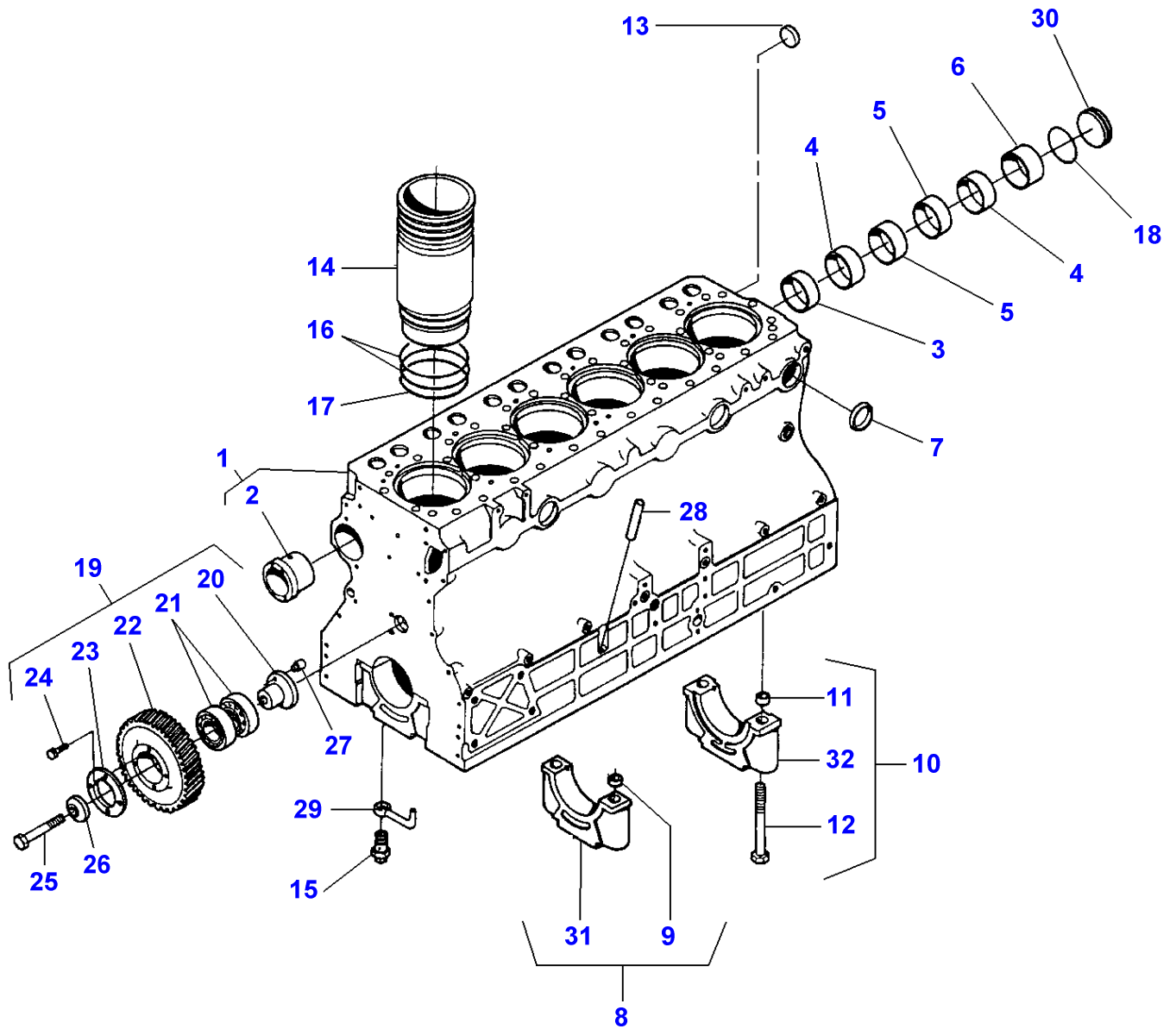
B-0001-082-A



MASSEY FERGUSON**MF 30/31XP/32/34/36/38/40 COMBINE ENGINES, VALMET - 1637219****1637219****SECTION DIVIDER - ENGINE 612DSJL/290HP****192**

Item	Part Number	Qty	Description	Comments
				ENGINE 612DSJL/290HP
1	D28080410	1	Engine	[A] 612DSJL MF40 From Serial or Engine Number 48793
1	D46499900	1	Engine	612DSJL MF40 Up to Serial or Engine Number 50230
1				[A] SERIAL NUMBER COMBINE HARVESTER

1-HB02-012-C



MASSEY FERGUSON**MF 30/31XP/32/34/36/38/40 COMBINE ENGINES, VALMET - 1637219**

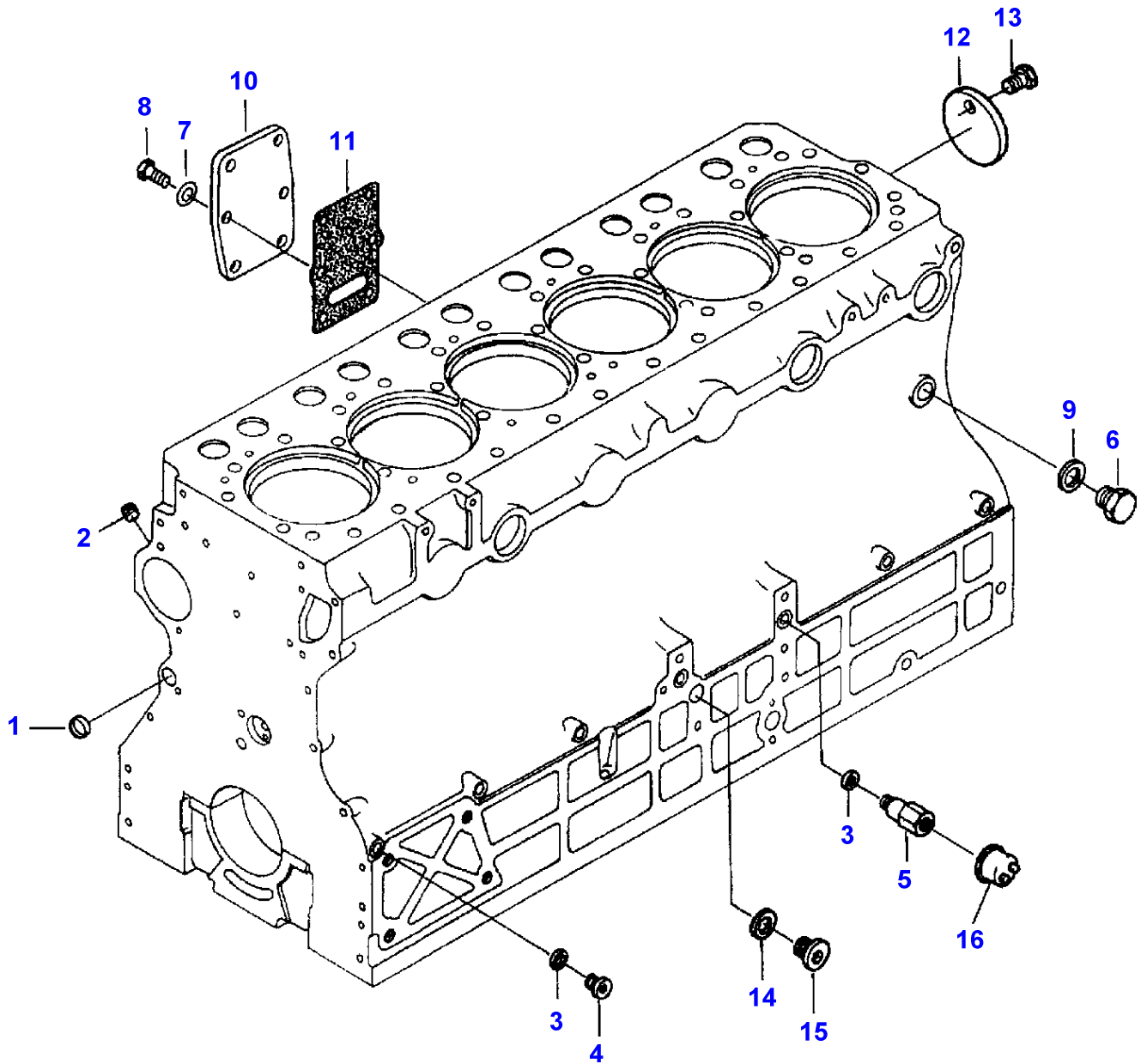
1637219

CYLINDER BLOCK - ENGINE 612DSJL/290HP

193

Item	Part Number	Qty	Description	Comments
				ENGINE 612DSJL/290HP
1	V836347916	1	Cylinder Block	
2	V835346889	1	Bush	(1)
3	V836322975	1	Bush	(1)
4	V836322608	2	Bush	(1)
5	V836322609	2	Bush	(1)
6	V836322610	1	Bush	(1)
7	V640016040	3	Plug	(1)
8	V836324757	6	Bearing Carrier	(1)
9	V836214478	12	Bush	(8)
10	V836324756	1	Bearing Carrier	(1)
11	V836214478	2	Bush	(10)
12	V529903180	14	Screw	(1)
13	V640016032	1	Plug	(1)
14	3637621M1	6	Liner	STANDARD
	V836338436	6	Liner	Thickness 9.08MM.
	V836338437	6	Liner	Thickness 9.13MM.
	V836338438	6	Liner	Thickness 9.23MM.
15	V836338601	6	Valve	
16	V835322233	12	O Ring	
17	V835336903	6	O Ring	
18	V614605125	1	O Ring	Up to Serial or Engine Number D 5221
19	V836122760	1	Gear	
20	V836122757	1	Shaft	(19)
21	V610071079	2	Bearing	(19)
22	V836122756	1	Gear	(19)
23	V836122759	1	Flange	(19)
24	V528801360	4	Screw	(19)
25	V529902720	1	Screw	
26	V836122758	1	Flange	
27	V836114523	1	Pin	
28	V836014334	1	Pipe	
29	V836338602	6	Pipe	
30	V836852744	1	Plug	From Serial or Engine Number D 5222
31		1	Bearing Carrier	(8) Not serviced, order REF.8
32		1	Bearing Carrier	(10) Not serviced, order REF.10

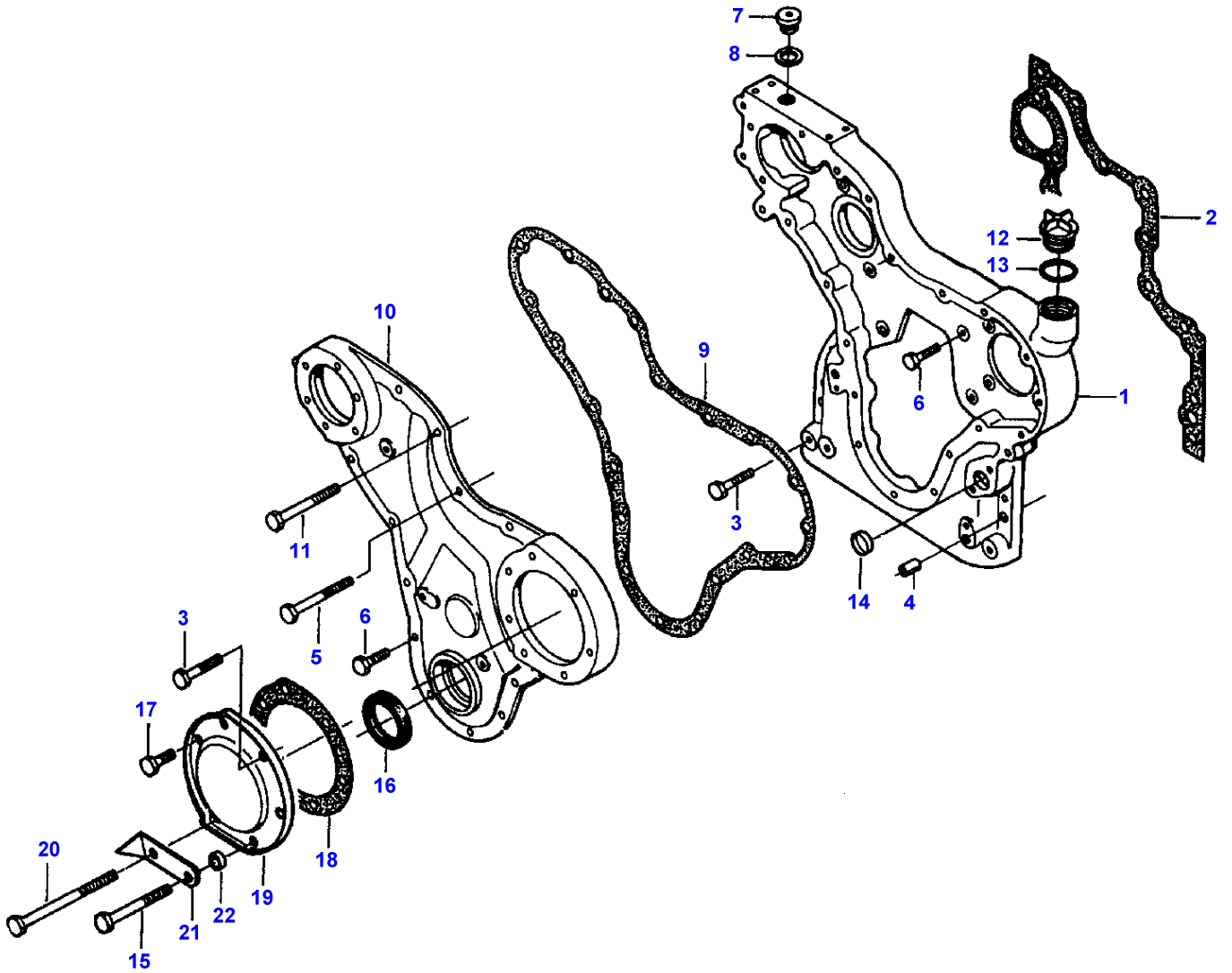
1-HB02-013-A



MASSEY FERGUSON**MF 30/31XP/32/34/36/38/40 COMBINE ENGINES, VALMET - 1637219****1637219****CYLINDER BLOCK - ENGINE EQUIPEMENT 612DSJL/290CH****194**

Item	Part Number	Qty	Description	Comments
				ENGINE EQUIPEMENT 612DSJL/290CH
1	V640016016	4	Plug	
2	V640025010	X	Plug	
3	V615571014	10	Seal	
4	V640325110	8	Plug	
5	V836120022	2	Connection	
6	V836019756	1	Plug	
7	V500950800	6	Washer	
8	V528801380	6	Screw	
9	V615881822	1	Seal	
10	V836846444	1	Flange	
11	V836322852	1	Gasket	
12	V836124210	1	Plate	
13	V528802180	1	Screw	
14	V615881418	1	Seal	
15	V640325014	1	Plug	
16	V654100109	1	Sensor	

1-HB03-007-A



MASSEY FERGUSON**MF 30/31XP/32/34/36/38/40 COMBINE ENGINES, VALMET - 1637219**

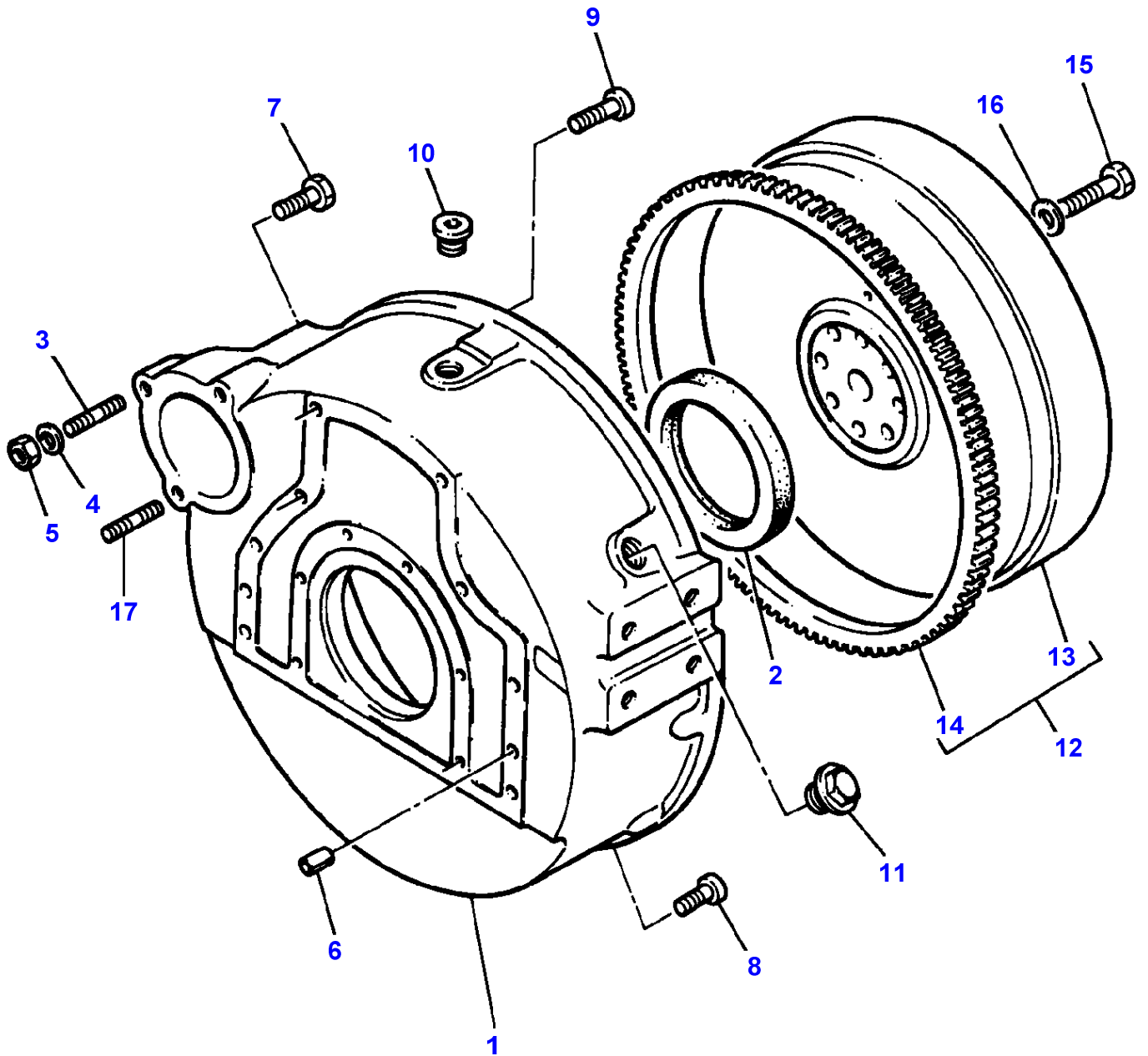
1637219

TIMING GEAR HOUSING - ENGINE 612DSJL/290HP

195

Item	Part Number	Qty	Description	Comments
				ENGINE 612DSJL/290HP
1	V836352670	1	Gear Case Assy.	
2	V836112390	1	Gasket	
3	V529801440	6	Screw	
4	V598359850	4	Pin	
5	V529801500	3	Screw	
6	V528801400	18	Screw	
7	V640325018	1	Plug	
8	V615881822	1	Seal	
9	V836117329	1	Gasket	
10	V836117328	1	Cover	
11	V529801530	1	Screw	
12	V836017927	1	Plug	
13	V614603540	1	O Ring	
14	V836006684	1	Cover	Up to Serial or Engine Number C 2023
	V640016026	1	Plug	From Serial or Engine Number C 2024
15	V529801460	2	Screw	
16	V614105880	1	Seal	
17	V528801360	2	Screw	
18	V836112272	1	Gasket	
19	V836120144	1	Cover	
20	V529801562	1	Screw	
21	V836322291	1	Indicator	Up to Serial or Engine Number C 2023
	V836352823	1	Plate	From Serial or Engine Number C 2024
22	V836006656	1	Gasket	Up to Serial or Engine Number C 2023
	V836019695	2	Sleeve	From Serial or Engine Number C 2024

1-HB04-007-A



MASSEY FERGUSON**MF 30/31XP/32/34/36/38/40 COMBINE ENGINES, VALMET - 1637219**

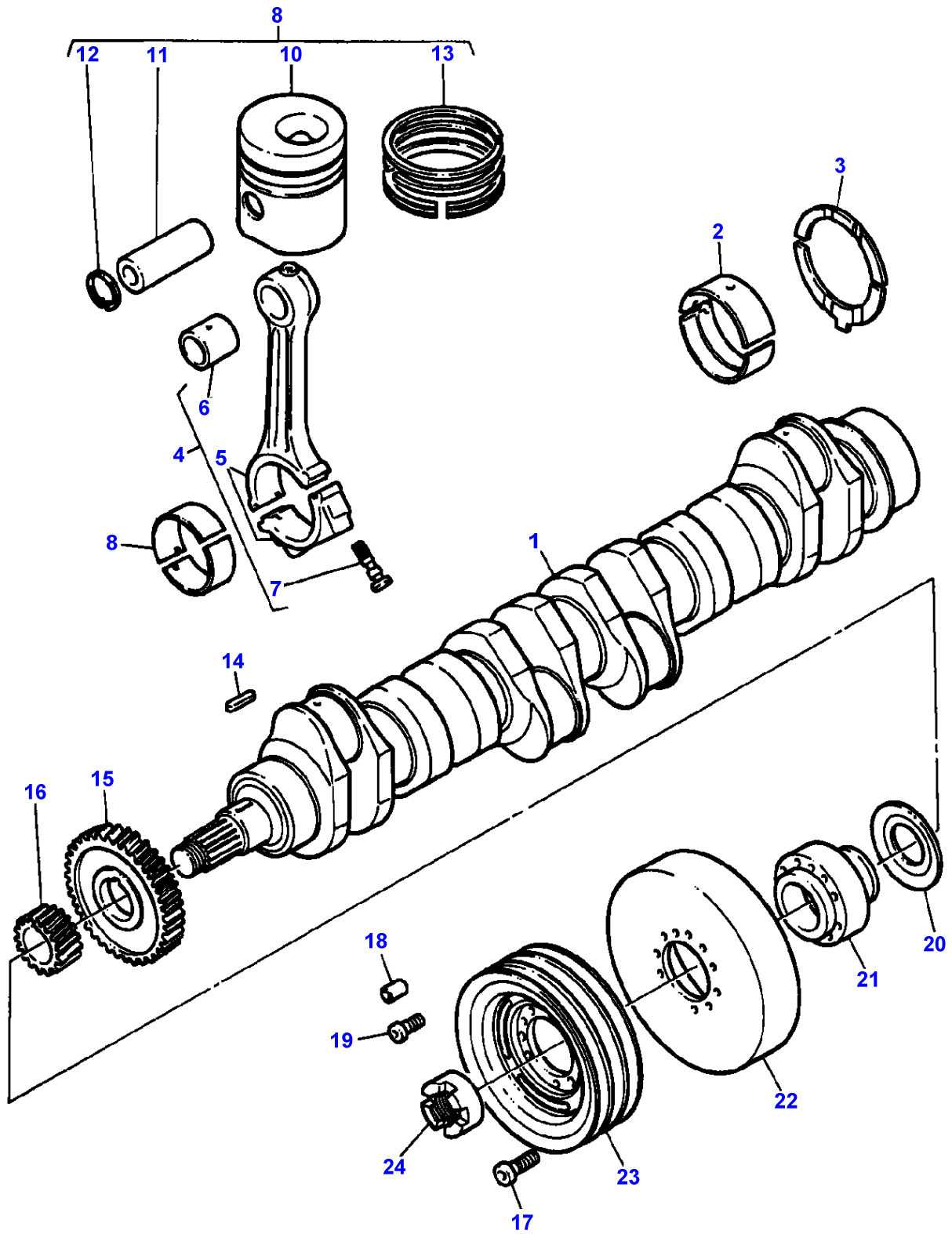
1637219

FLYWHEEL HOUSING - ENGINE 612DSJL/290HP

196

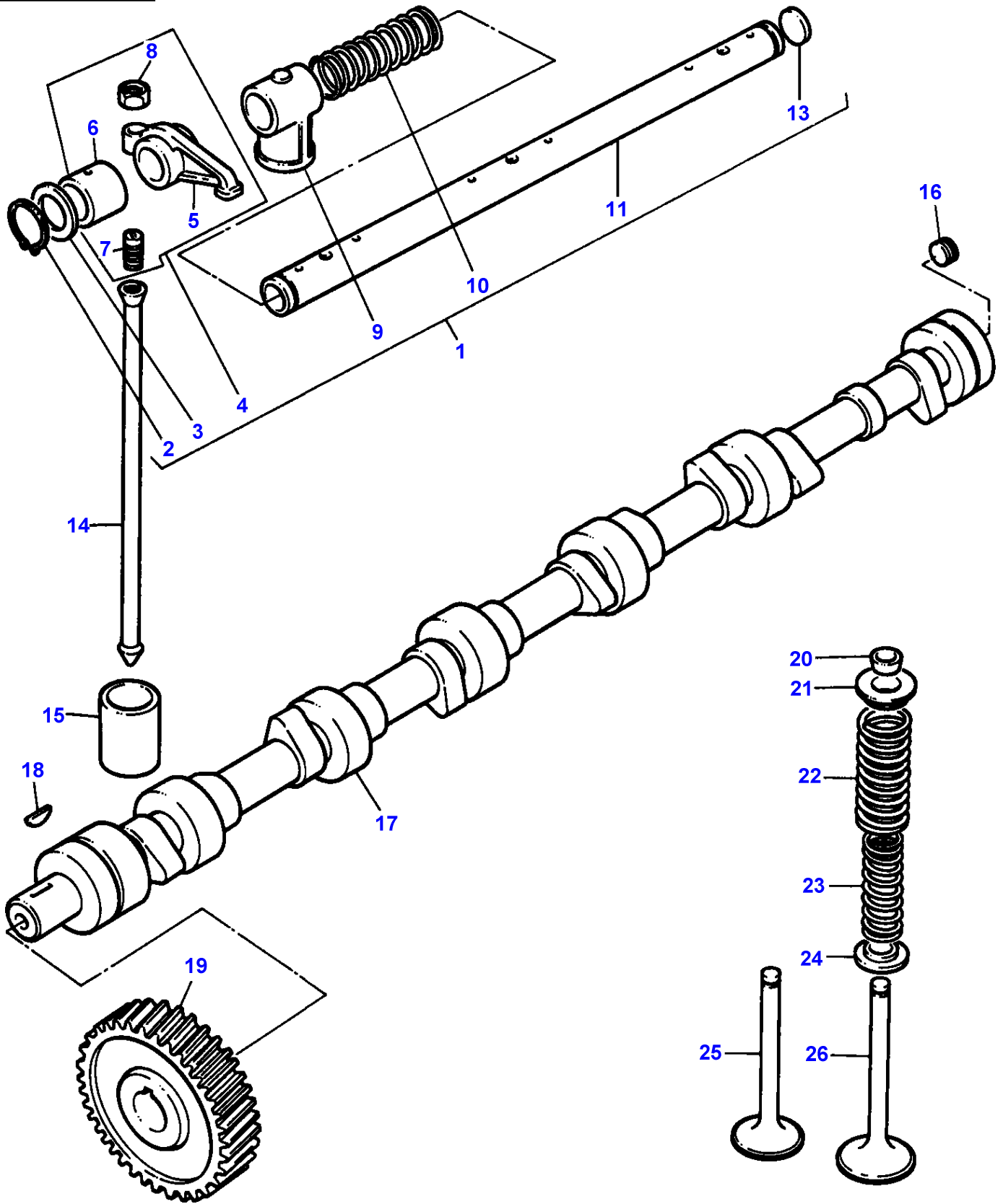
Item	Part Number	Qty	Description	Comments
				ENGINE 612DSJL/290HP
1	V835324261	1	Flywheel Housing	
2	V614500002	1	Seal	
	V836020054	X	Spacer	Thickness 2MM
3	V546801815	1	Stud	
4	V500951000	3	Washer	
5	V504801002	3	Nut	
6	V598359850	2	Pin	
7	V528902220	6	Screw	
8	V581705030	6	Screw	
9	V581705440	2	Screw	
10	V640325018	1	Plug	
11	V640045126	1	Plug	
12	V836017912	1	Flywheel	
13		1	Flywheel	(12) Not serviced, order REF.12
14	V836117970	1	Annular Gear	(12)
15	V528702230	8	Screw	
16	V500951200	8	Washer	
17	V546801800	2	Stud	

1-HB05-007-A



Item	Part Number	Qty	Description	Comments
				ENGINE 612DSJL/290HP
1	3638616M1	1	Crankshaft	
2	V836338653	7	Bearing	
	V836655536	7	Bearing	Thickness (-) 0.25MM Replace and repair. Old not interchangeable with new 3637632M91
2	V836655537	7	Bearing	Thickness (-) 0.50MM Replace and repair. Old not interchangeable with new 3637633M91
2	V836655538	7	Bearing	Thickness (-) 1.00MM Replace and repair. Old not interchangeable with new 3637634M91
2	V836655539	7	Bearing	Thickness (-) 1.50MM
3	V836119459	2	Chock	Replace and repair. Old not interchangeable with new 3637636M1
	V836120332	2	Thrust Washer	Thickness (-) 0.1MM
	V836120333	2	Thrust Washer	Thickness (-) 0.2MM
4	V836338795	6	Conrod	2971-2990G. E
	V836338796	6	Conrod	2991-3010G. F
	V836338797	6	Conrod	3011-3030G. G
	V836338798	6	Conrod	3031-3050G. H
	V836338799	6	Conrod	3051-3070G. I
	V836338800	6	Conrod	3071-3090G. J
	V836338801	6	Conrod	3091-3110G. K
	V836338802	6	Conrod	3111-3130G. L
	V836338803	6	Conrod	3131-3150G. M
	V836338804	6	Conrod	3151-3170G. N
	V836338805	6	Conrod	3171-3190G. O
	V836338806	6	Conrod	3191-3210G. P
	V836338807	6	Conrod	3211-3230G. R
	V836338808	6	Conrod	3231-3250G. S
	V836338809	6	Conrod	3251-3270G. T
	V836338810	6	Conrod	3271-3290G. U
	V836338811	6	Conrod	3291-3310G. V
	V836338812	6	Conrod	3311-3330G. X
	V836338813	6	Conrod	3331-3350G. Y
	V836338814	6	Conrod	3351-3370G. Z
5		1	Conrod	(4) Not serviced, order REF.4
6	3637624M1	1	Bush	(4)
	3637625M1	X	Bush	Diameter 48.58MM
7	V836336296	2	Screw	(4)
8	3637626M91	6	Bearing	
	3637627M91	6	Bearing	Thickness (-) 0.25MM
	3637628M91	6	Bearing	Thickness (-) 0.50MM
	3637629M91	6	Bearing	Thickness (-) 1.00MM
	V836338653	6	Bearing	Thickness (-) 1.50MM
9	3637619M91	6	Piston	
10		1	Piston	(9) Not serviced, order REF.9
11		1	Pin	(9) Not serviced, order REF.9
12		2	Circlip	(9) Not serviced, order REF.9
13	V836339201	1	Kit, Piston Ring	(9)
14	V603345110	1	Key	
15	V836119550	1	Pinion	
16	V836122840	1	Pinion	
17	V581804640	6	Screw	
18	V595954600	1	Pin	
19	V581804620	3	Screw	
20	V836122732	1	Ring	
21	V836322586	1	Hub	
22	V836840867	1	Damper	Up to Serial or Engine Number C 2023 203MM
22	V836340689	1	Damper	From Serial or Engine Number C 2024 270MM
23	V836346251	1	Pulley	Up to Serial or Engine Number C 2023
	V836355024	1	Pulley	From Serial or Engine Number C 2024
24	V836322221	1	Nut	

1-HB06-008-A



MASSEY FERGUSON**MF 30/31XP/32/34/36/38/40 COMBINE ENGINES, VALMET - 1637219**

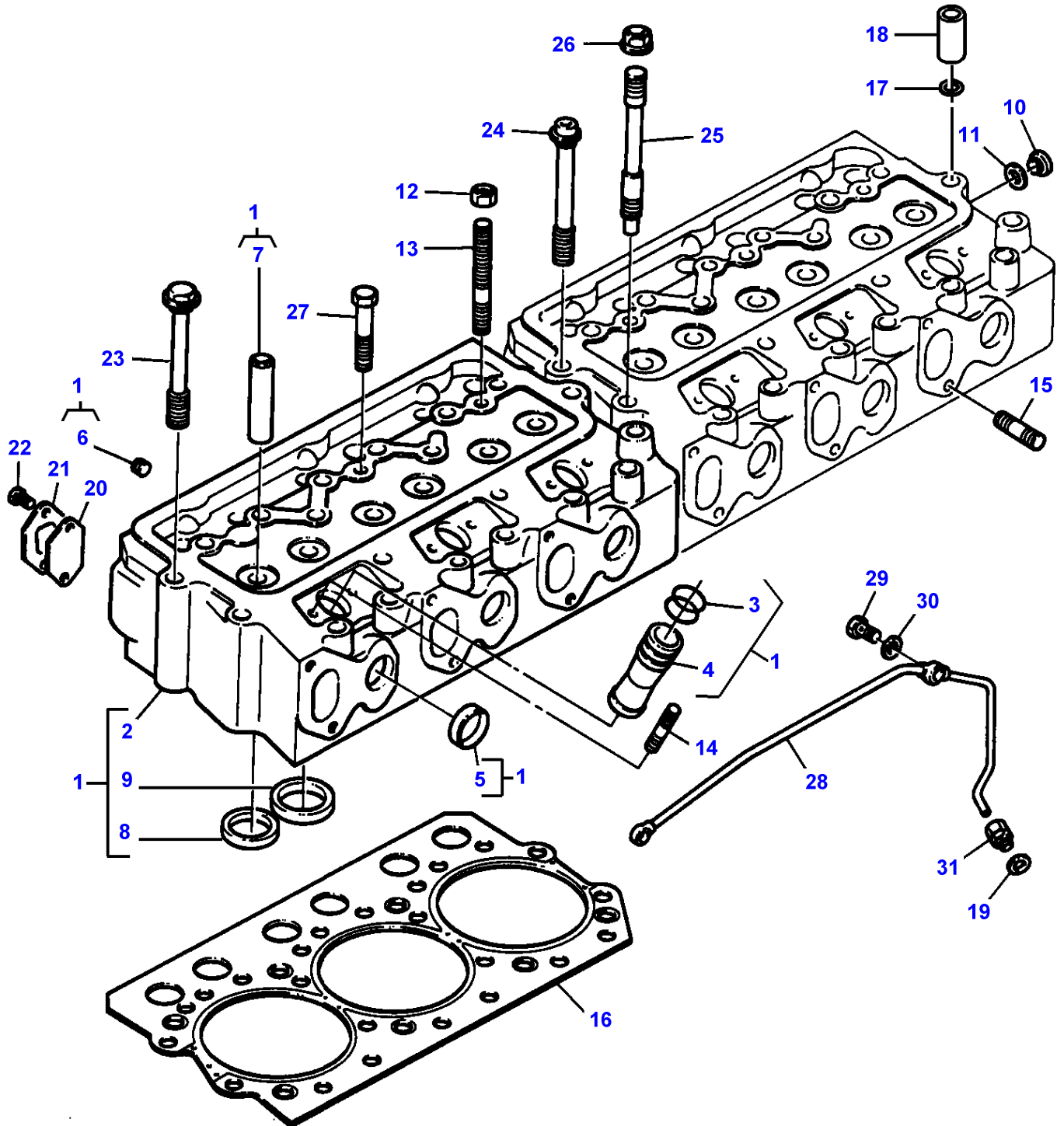
1637219

VALVE MECHANISM - ENGINE 612DSJL/290HP

198

Item	Part Number	Qty	Description	Comments
				ENGINE 612DSJL/290HP
1	V836007816	2	Rocker Shaft	
2	V617300020	4	Clip	(1)
3	V836006581	4	Washer	(1)
4	V835328363	6	Rocker	(1)
5		12	Rocker	(4) Not serviced, order REF.4
6	V836006586	12	Bush	(4)
7	V836010106	12	Screw	(4)
8	V504800800	12	Nut	(4)
9	V836006580	6	Bracket	(1)
10	V836006582	4	Spring	(1)
11	V836007569	2	Shaft	(1)
12		2	Shaft	(11) Not serviced, order REF.11
13	V640016014	2	Plug	(11)
14	V836336341	12	Rod	
15	V836014264	12	Tappet	
16	V640025010	2	Plug	
17	V836322170	1	Camshaft	
18	V603305760	1	Key	
19	V836347918	1	Gear	
20	V836006578	24	Cotter	
21	V836006577	12	Cup	
22	V836117910	12	Spring	
23	V836006574	12	Spring	
24	V836006579	12	Washer	
25	3637641M1	6	Valve	
26	3637642M1	6	Valve	

1-HB07-007-A



MASSEY FERGUSON**MF 30/31XP/32/34/36/38/40 COMBINE ENGINES, VALMET - 1637219**

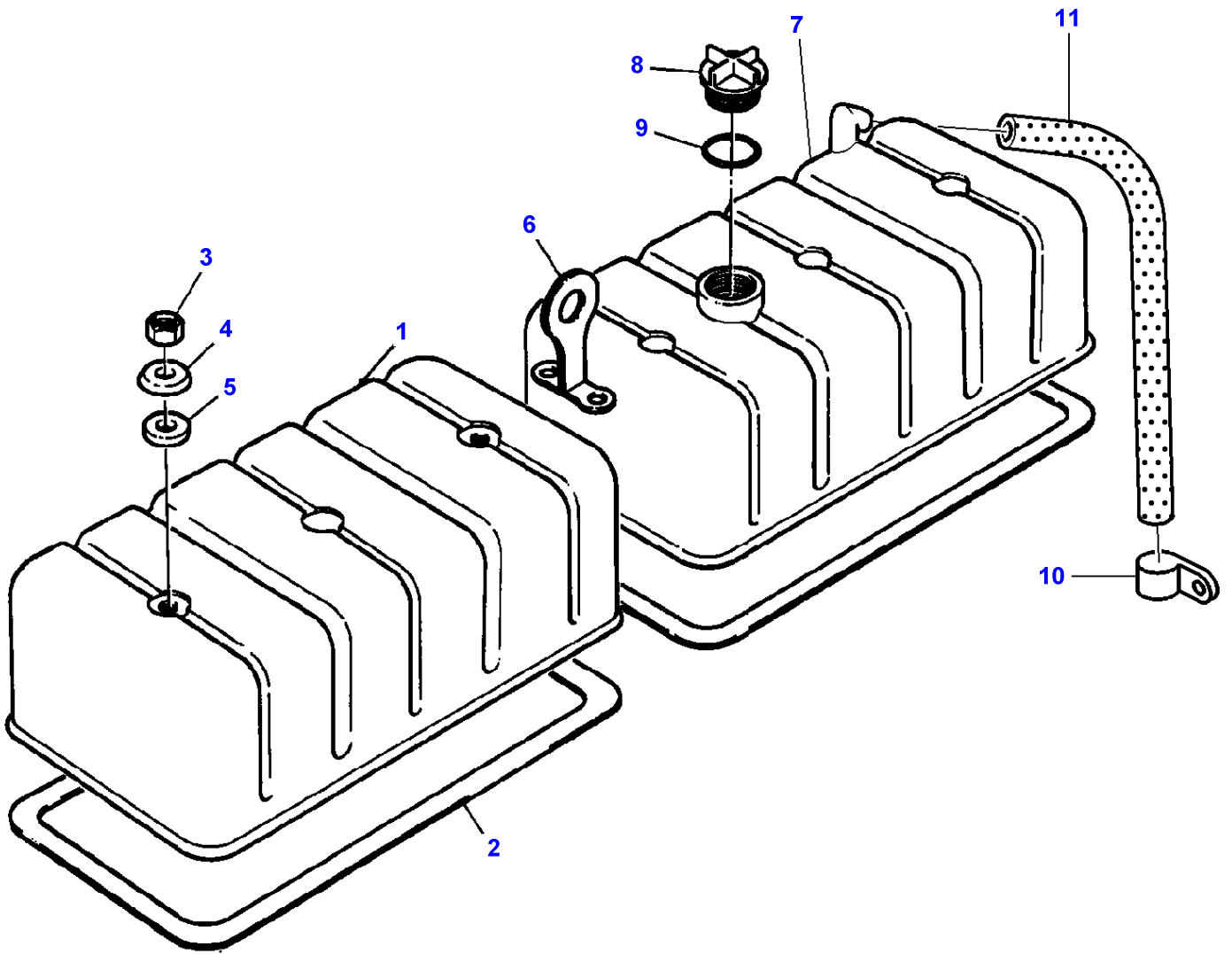
1637219

CYLINDER HEAD - ENGINE 612DSJL/290HP

199

Item	Part Number	Qty	Description	Comments
				ENGINE 612DSJL/290HP
1	V836322752	2	Cylinder Head	
2		1	Cylinder Head	(1) Not serviced, order REF.1
3	V614602415	6	O Ring	(1)
4	V836022081	3	Sleeve	(1)
	V836038723	X	Bush	
5	V640016036	3	Plug	(1)
6	V640025012	3	Plug	(1)
7	V836136051	6	Guide	(1)
8	V836117423	3	Valve Seat	(1)
	V836119004	X	Parts Pack	Diameter 43.2MM
	V836119005	X	Parts Pack	Diameter 43.4MM
9	V836119465	3	Valve Seat	(1)
	V836122965	X	Seat	Diameter 48.2MM
	V836122966	X	Parts Pack	Diameter 48.4MM
10	V640325110	2	Plug	
11	V615571014	2	Seal	
12	V504801002	8	Nut	
13	V836122994	4	Stud	
14	V546901435	12	Stud	
15	V546801815	12	Stud	
16	V836122443	2	Head Gasket	
17	V836329745	1	Washer	
18	V835329937	1	Nut	
19	V615571014	1	Seal	
20	V836322251	1	Gasket	
21	V836322250	1	Cover	
22	V581804570	2	Screw	
23	V835329931	34	Screw	
24	V835329932	2	Screw	
25	V835329936	4	Stud	
26	V835329930	4	Nut	
27	V529801910	2	Screw	
28	V836336446	1	Pipe	
29	V640435006	2	Screw	
30	V615571014	2	Seal	
31	V641096006	1	Connection	

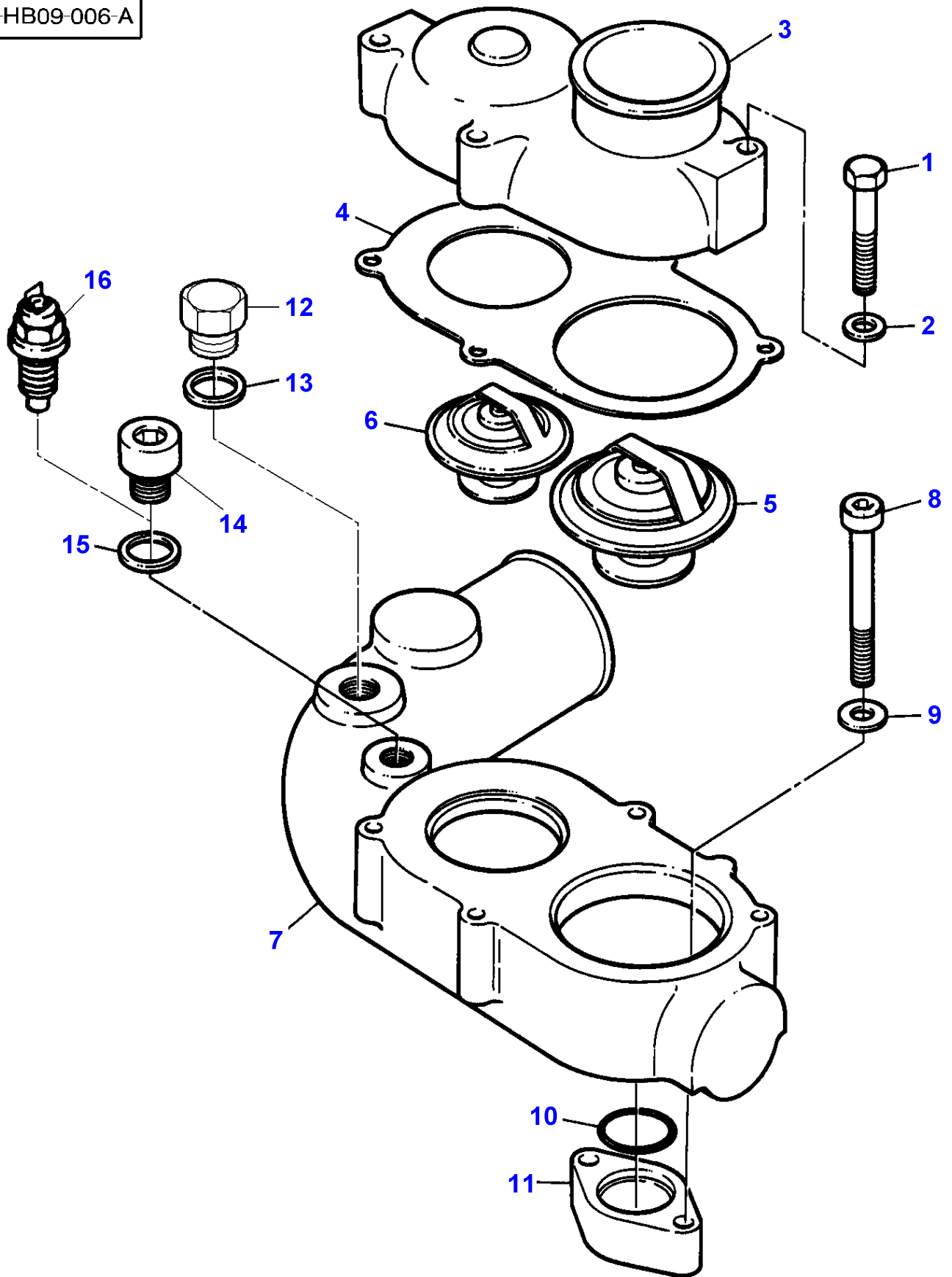
1-HB08-006-A



MASSEY FERGUSON**MF 30/31XP/32/34/36/38/40 COMBINE ENGINES, VALMET - 1637219****1637219****CYLINDER HEAD COVER - ENGINE 612DSJL/290HP****200**

Item	Part Number	Qty	Description	Comments
				ENGINE 612DSJL/290HP
1	V836322614	1	Valve Cover	
2	V836322898	2	Gasket	
3	V504801002	4	Nut	
4	V836119855	4	Washer	
5	V836012841	4	Gasket	
6	V836322245	1	Bracket	
7	V836538794	1	Valve Cover	Up to Serial or Engine Number D 5221
	V836355302	1	Valve Cover	From Serial or Engine Number D 5222
8	V836017927	1	Plug	Up to Serial or Engine Number D 5221
	V836659697	1	Plug	From Serial or Engine Number D 5222
				Replace and repair. Old not interchangeable with new V836640091
9	V614603540	1	O Ring	
10	V602075528	1	Clamp	
11	V836647814	1	Tube	

1-HB09-006-A



MASSEY FERGUSON**MF 30/31XP/32/34/36/38/40 COMBINE ENGINES, VALMET - 1637219**

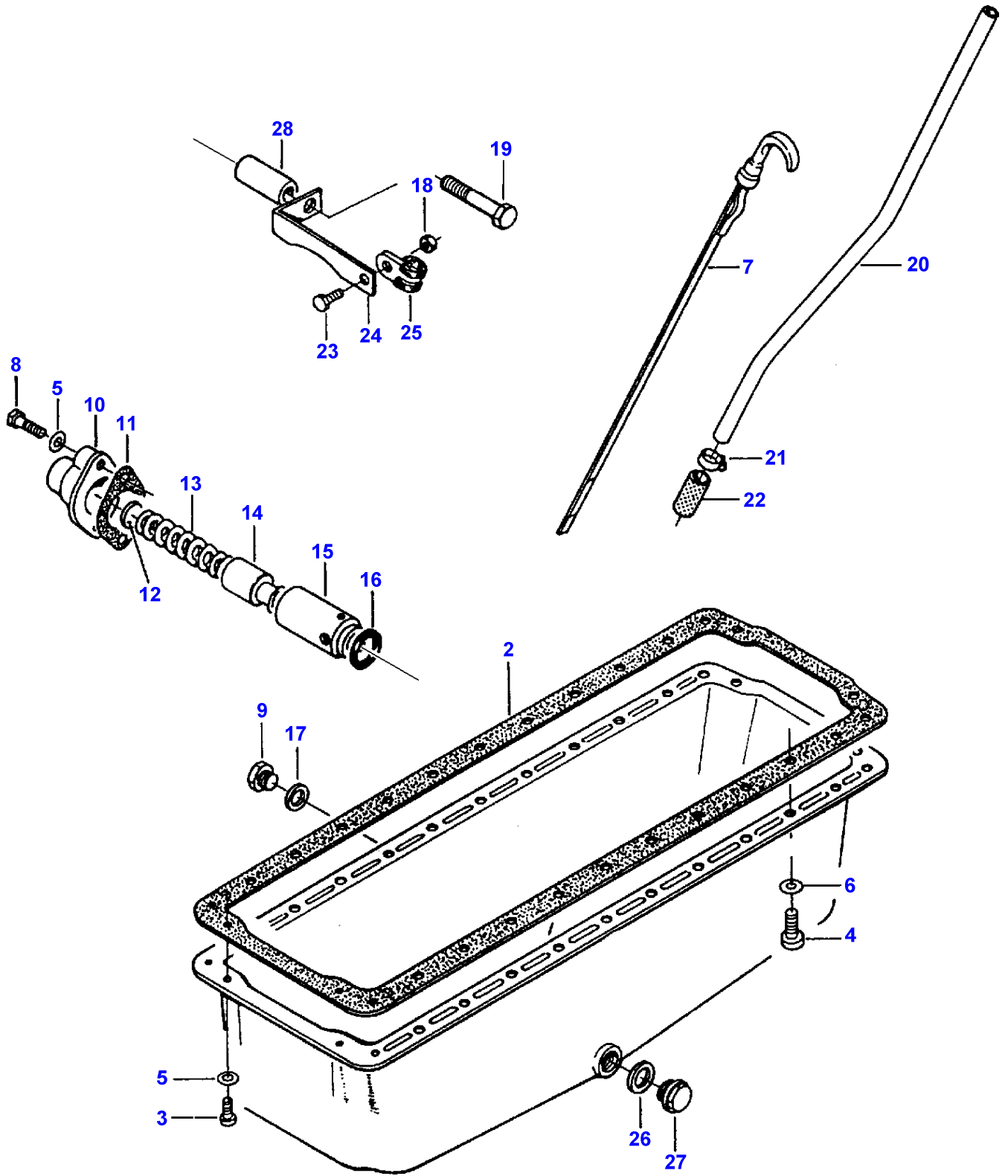
1637219

THERMOSTAT - ENGINE 612DSJL/290HP

201

Item	Part Number	Qty	Description	Comments
				ENGINE 612DSJL/290HP
1	V529801550	4	Screw	
2	V500950800	4	Washer	
3	V836329631	1	Cover	
4	V836329632	1	Gasket	
5	V836352903	1	Thermostat	83 DEG.C. Repairs and replaces 3637649M1
6	V836015156	1	Thermostat	79 DEG.C.
7	V836336347	1	Housing	
8	V581804710	2	Screw	
9	V836015967	2	Seal	
10	V614602930	2	O Ring	
11	V836338515	1	Distance Piece	
12	V640325018	1	Plug	
13	V615881822	1	Seal	
14	V640325014	1	Plug	
15	V615881418	1	Seal	
16	V654271207	1	Sensor	

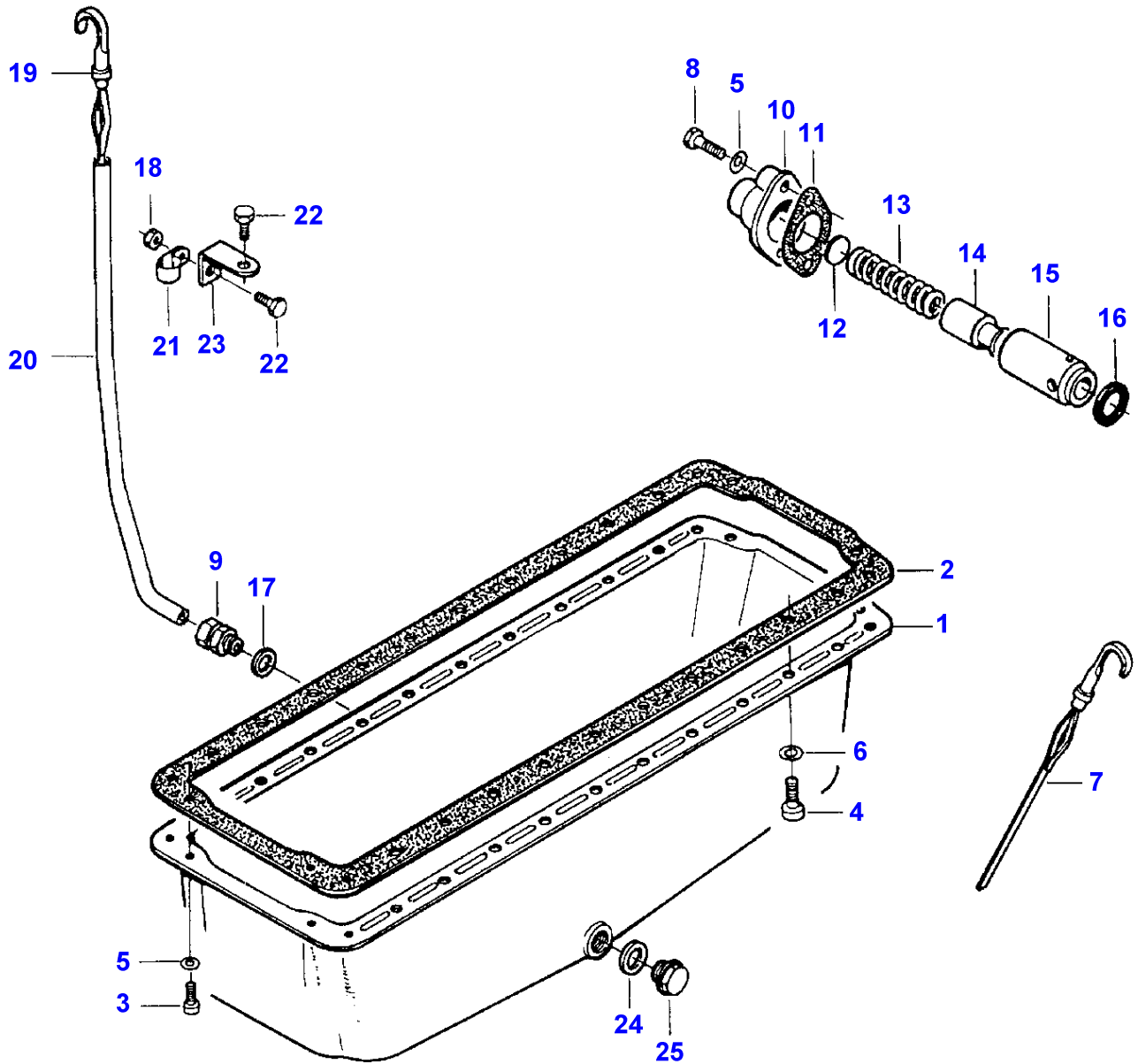
1-HB10-008-A



MASSEY FERGUSON**MF 30/31XP/32/34/36/38/40 COMBINE ENGINES, VALMET - 1637219****1637219****LUBRICATING OIL SUMP - ENGINE 612DSJL/290HP UP TO S/N C 5508****202**

Item	Part Number	Qty	Description	Comments
				ENGINE 612DSJL/290HP UP TO S/N C 5508
1	V836347308	1	Sump	
2	V836322538	1	Gasket	
3	V581804600	4	Screw	
4	V581805000	24	Screw	
5	V500950800	6	Washer	
6	V500951000	24	Washer	
7	V836338940	1	Dipstick	
8	V528801420	2	Screw	
9	V836119079	1	Plug	
10	V836129849	1	Cover	
11	V836322190	1	Gasket	
12	V836020290	1	Washer	
13	V836655246	1	Spring	Repairs and replaces V836117836
14	V836338850	1	Piston	
15	V836117834	1	Cylinder	
16	V614601524	1	O Ring	
17	V615881620	1	Seal	
18	V504800800	1	Nut	
19	V529801860	1	Screw	
20	V836324670	1	Pipe	
21	V602079516	2	Clamp	
22	V836119994	1	Hose	
23	V528801360	1	Screw	
24	V836346005	1	Support	
25	V602060612	1	Clamp	
26	V615882227	1	Gasket	
27	V640045022	1	Plug	
28	V836338607	1	Spacer	

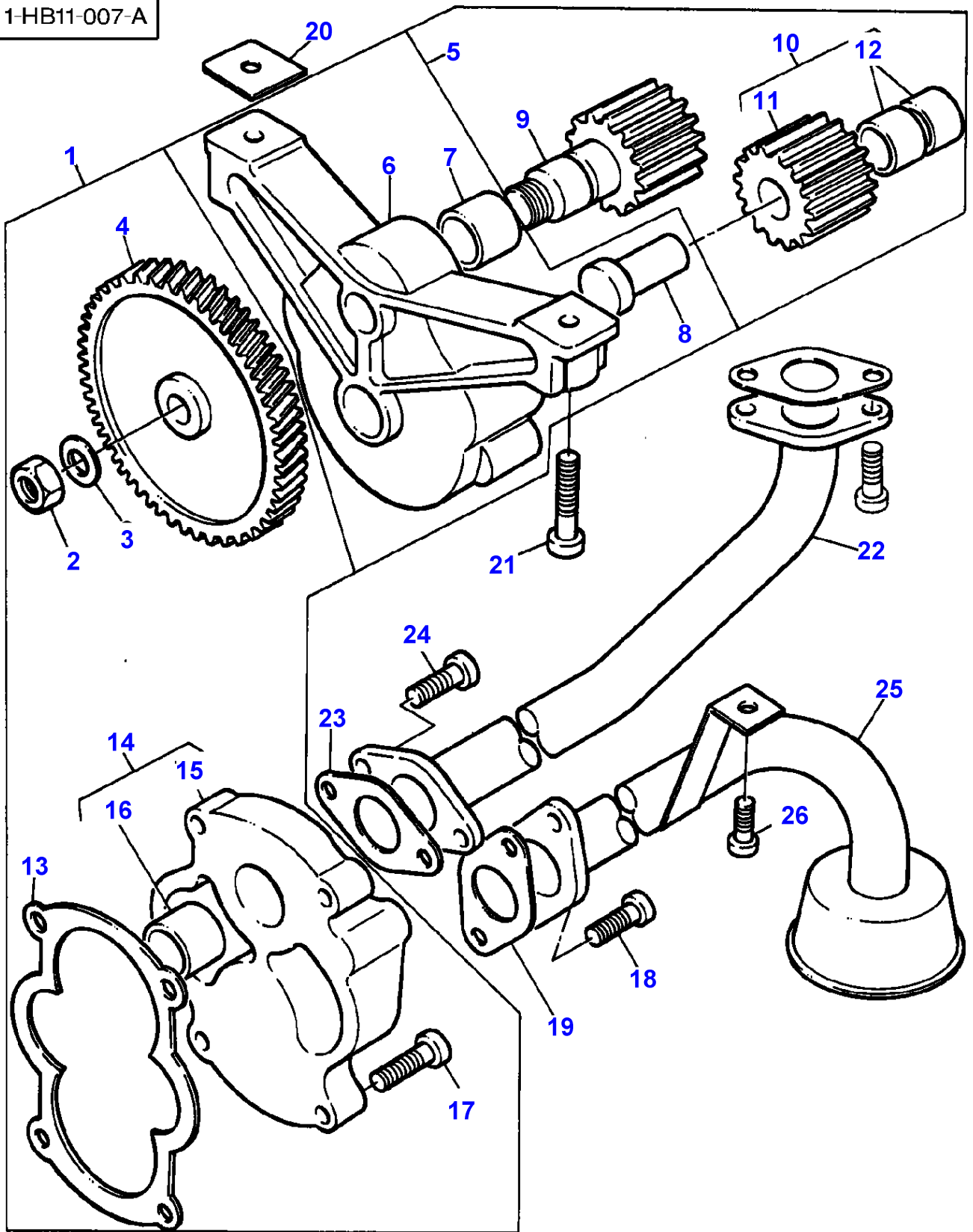
1-HB10-009-A



MASSEY FERGUSON**MF 30/31XP/32/34/36/38/40 COMBINE ENGINES, VALMET - 1637219****1637219****LUBRICATING OIL SUMP - ENGINE 612DSJL/290CH FROM S/N C 5509****203**

Item	Part Number	Qty	Description	Comments
				ENGINE 612DSJL/290CH FROM S/N C 5509
1	V836347308	1	Sump	
2	V836322538	1	Gasket	
3	V581804600	4	Screw	
4	V581805000	24	Screw	
5	V500950800	6	Washer	
6	V500951000	24	Washer	
7	V836338637	1	Dipstick	
8	V528801420	2	Screw	
9	V641086012	1	Union	
10	V836129849	1	Cover	
11	V836322190	1	Gasket	
12	V836020290	1	Washer	
13	V836117836	1	Spring	
14	V836338850	1	Piston	
15	V836117834	1	Cylinder	
16	V614601524	1	O Ring	
17	V615881620	1	Seal	
18	V504800800	1	Nut	
19	V836352877	1	Dipstick	Length 906MM Up to Serial or Engine Number D 8594
19	V836355423	1	Dipstick	Length 756MM From Serial or Engine Number D 8595
20	V836352875	1	Pipe	Up to Serial or Engine Number D 8594
	V836355424	1	Pipe	From Serial or Engine Number D 8595
21	V602060612	2	Clamp	
22	V528801380	1	Screw	
23	V836124941	1	Support	Up to Serial or Engine Number D 8594
	V836346005	1	Support	From Serial or Engine Number D 8595
24	V615882227	1	Gasket	
25	V640045022	1	Plug	

1-HB11-007-A



MASSEY FERGUSON**MF 30/31XP/32/34/36/38/40 COMBINE ENGINES, VALMET - 1637219**

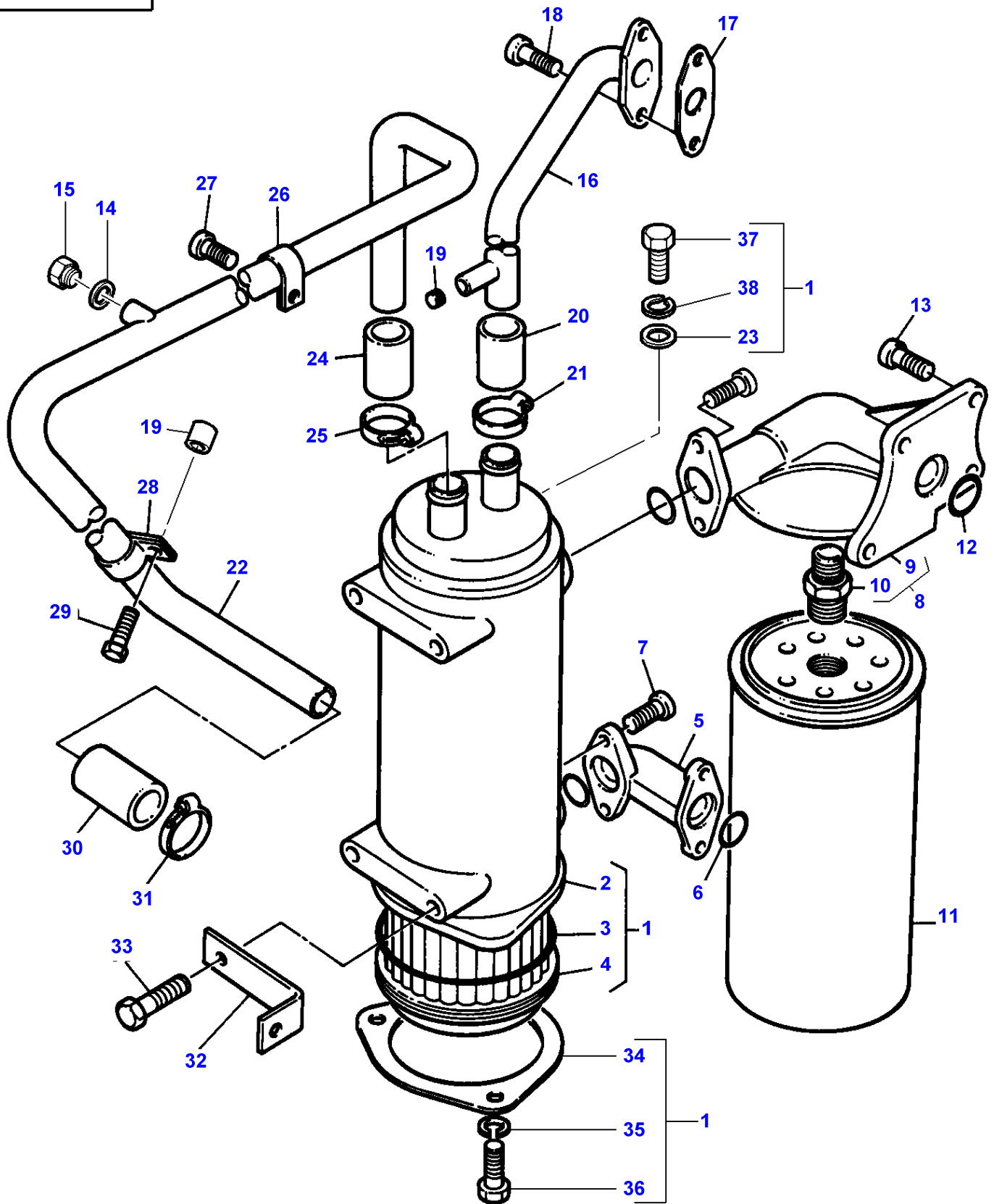
1637219

LUBRICATING OIL PUMP - ENGINE 612DSJL/290HP

204

Item	Part Number	Qty	Description	Comments
				ENGINE 612DSJL/290HP
1	3637653M91	1	Oil Pump	
2	V504861000	1	Nut	(1)
3	V836122910	1	Washer	(1)
4	V836338667	1	Gear	(1)
5	V836338186	1	Housing	(1)
6		1	Housing	(5) Not serviced, order REF.5
7	V836322909	1	Bush	(5)
8	V836322906	1	Shaft	(5)
9	V836338182	1	Gear	(1)
10	V836338180	1	Gear	(1)
11		1	Gear	(10) Not serviced, order REF.10
12	V836322909	2	Bush	(10)
13	V836338188	1	Gasket	(1)
14	V836338184	1	Cover	(1)
15		1	Cover	(14) Not serviced, order REF.14
16	V836322909	1	Bush	(14)
17	V581804600	4	Screw	(1)
18	V581804600	2	Screw	
19	V836338201	1	Gasket	
20	V836007871	X	Shim	
21	V581805050	2	Screw	
22	V836338619	1	Pipe	
23	V836008449	2	Gasket	
24	V581804600	4	Screw	
25	V836346321	1	Pipe	
26	V581804600	1	Screw	

1-HB12-005-A



MASSEY FERGUSON

MF 30/31XP/32/34/36/38/40 COMBINE ENGINES, VALMET - 1637219

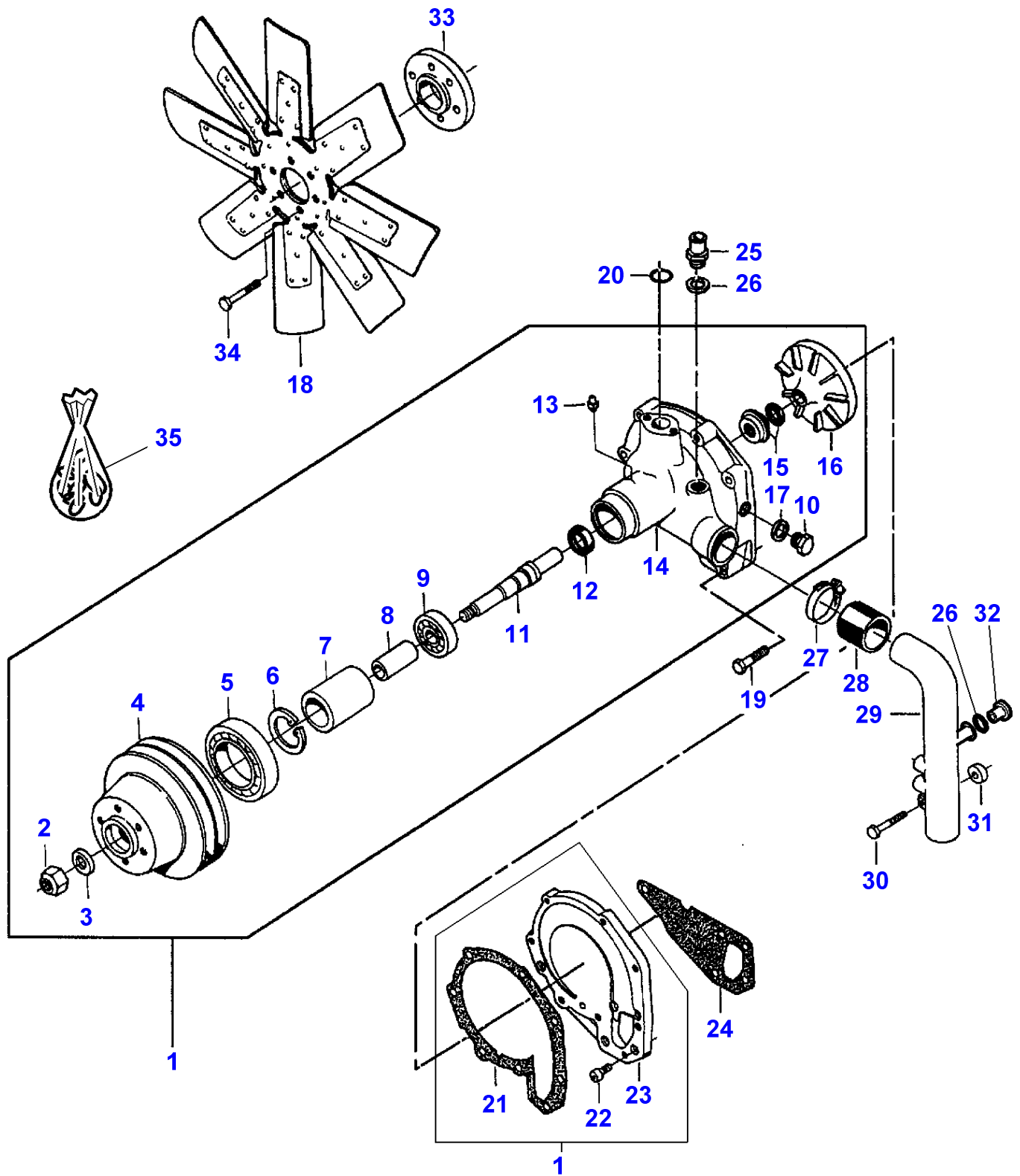
1637219

LUBRICATING OIL COOLER - ENGINE 612DSJL/290HP

205

Item	Part Number	Qty	Description	Comments
				ENGINE 612DSJL/290HP
1	V836338346	1	Oil Cooler	
2	V836339063	1	Body	(1)
3	V836339061	2	O Ring	(1)
4	V836340636	1	Tube	(1)
5	V836338495	1	Support	
6	V614601930	2	O Ring	
7	V581804620	4	Screw	
8	V836338513	1	Filter Head	
9		1	Filter Head	(8) Not serviced, order REF.8
10	V836338512	1	Union	(8)
11	3637652M1	1	Oil Filter	
12	V614601930	2	O Ring	
13	V581804620	6	Screw	
14	V615571014	2	Seal	
15	V640325110	2	Plug	
16	V836338530	1	Pipe	
17	V836328010	1	Gasket	
18	V581804600	2	Screw	
19	V836117352	1	Spacer	
20	V836329496	1	Hose	
21	V602088532	2	Clamp	
22	V836338545	1	Pipe	
23	V500150532	1	Washer	(1)
24	V836329496	1	Hose	
25	V602088532	2	Clamp	
26	V602074620	1	Clamp	
27	V528801360	1	Screw	
28	V602074620	1	Clamp	
29	V529801530	1	Screw	
30	V836329496	1	Hose	
31	V602088532	2	Clamp	
32	V836338514	1	Support	
33	V528801360	2	Screw	
34	V836339395	1	Cover	(1)
35	V500950602	3	Washer	(1)
36	V528801062	3	Screw	(1)
37	V528800752	1	Screw	(1)
				Repairs and replaces V528800740
38	V500450502	1	Washer	(1)

1-HB13-008-B



MASSEY FERGUSON**MF 30/31XP/32/34/36/38/40 COMBINE ENGINES, VALMET - 1637219**

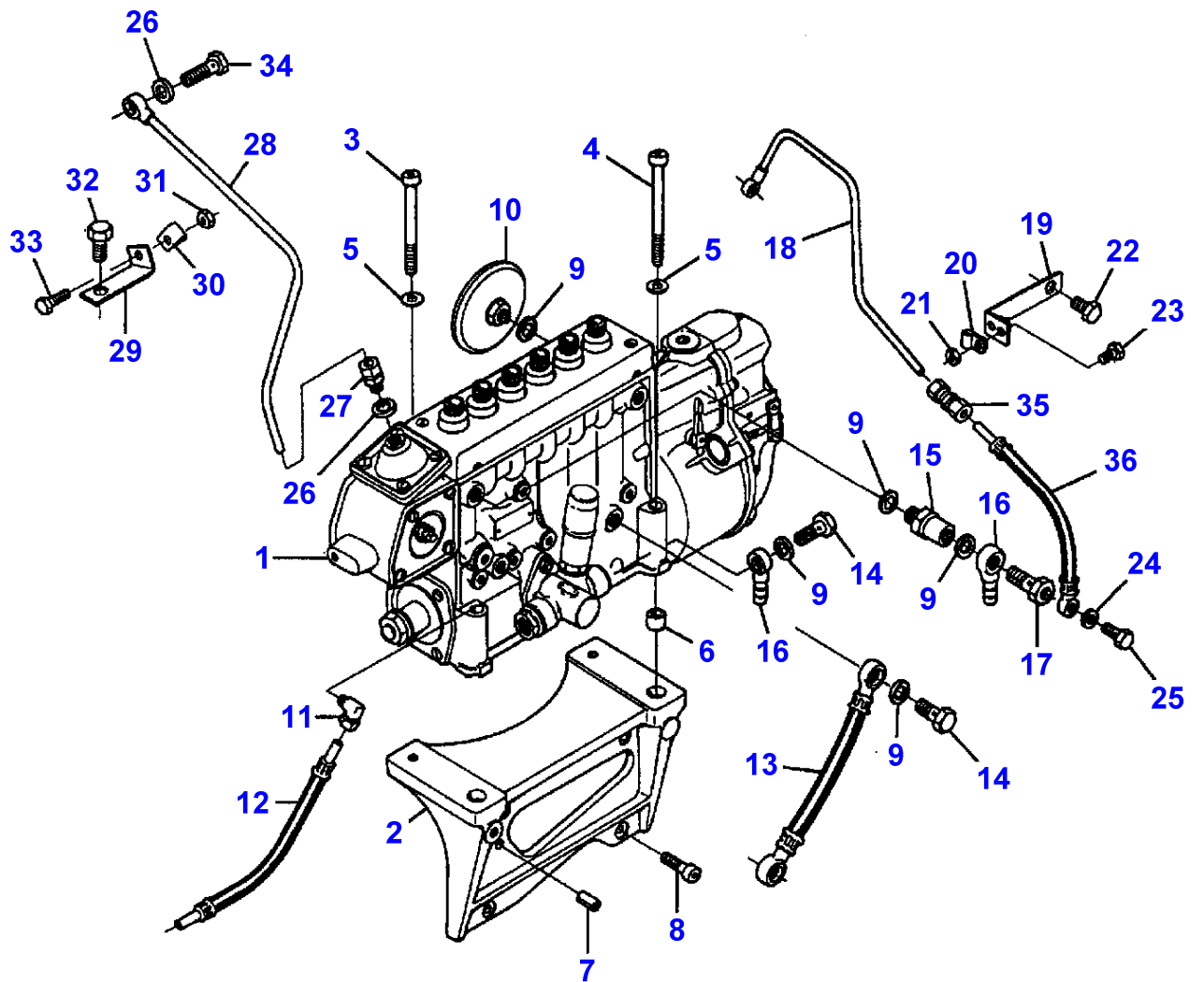
1637219

WATER PUMP - ENGINE 612DSJL/290HP

206

Item	Part Number	Qty	Description	Comments
				ENGINE 612DSJL/290HP
1	V836352359	1	Water Pump	
2	V510611402	1	Nut	(1)
3	V836652343	1	Washer	(1)
4	V836352184	1	Pulley	(1)
5	V610060124	1	Bearing	(1)
6	V617330052	1	Circlip	(1)
7	V836336318	1	Sleeve	(1)
8	V836336317	1	Spacer	(1)
9	GT1159	1	Bear. 6304 Z	(1)
10	V836019756	1	Plug	(1)
11	V836119259	1	Shaft	(1)
12	V614102636	1	Gasket	(1)
13	V644441006	1	Greaser	(1)
14	V836336316	1	Housing	(1)
15	V835339425	1	Gasket	(1)
16	V836336047	1	Impeller	(1)
17	V615881822	1	Seal	(1)
18	V836340273	1	Fan	
19	V529801430	8	Screw	
20	V614602930	2	O Ring	
21	V836322188	1	Gasket	(1)
22	V581804620	5	Screw	(1)
23	V836322187	1	Cover	(1)
24	V836322189	1	Gasket	
25	V836119838	1	Union	
26	V615881822	1	Seal	
27	V602061668	2	Clamp	Repairs and replaces V602083550
28	V836122248	1	Hose	
29	V836335402	1	Pipe	
30	V529801460	1	Screw	
31	V836117352	1	Spacer	
32	V640025018	2	Plug	
33	V836352198	1	Spacer	
34	V528901830	1	Screw	
35	V836339285	1	Kit, Repair	

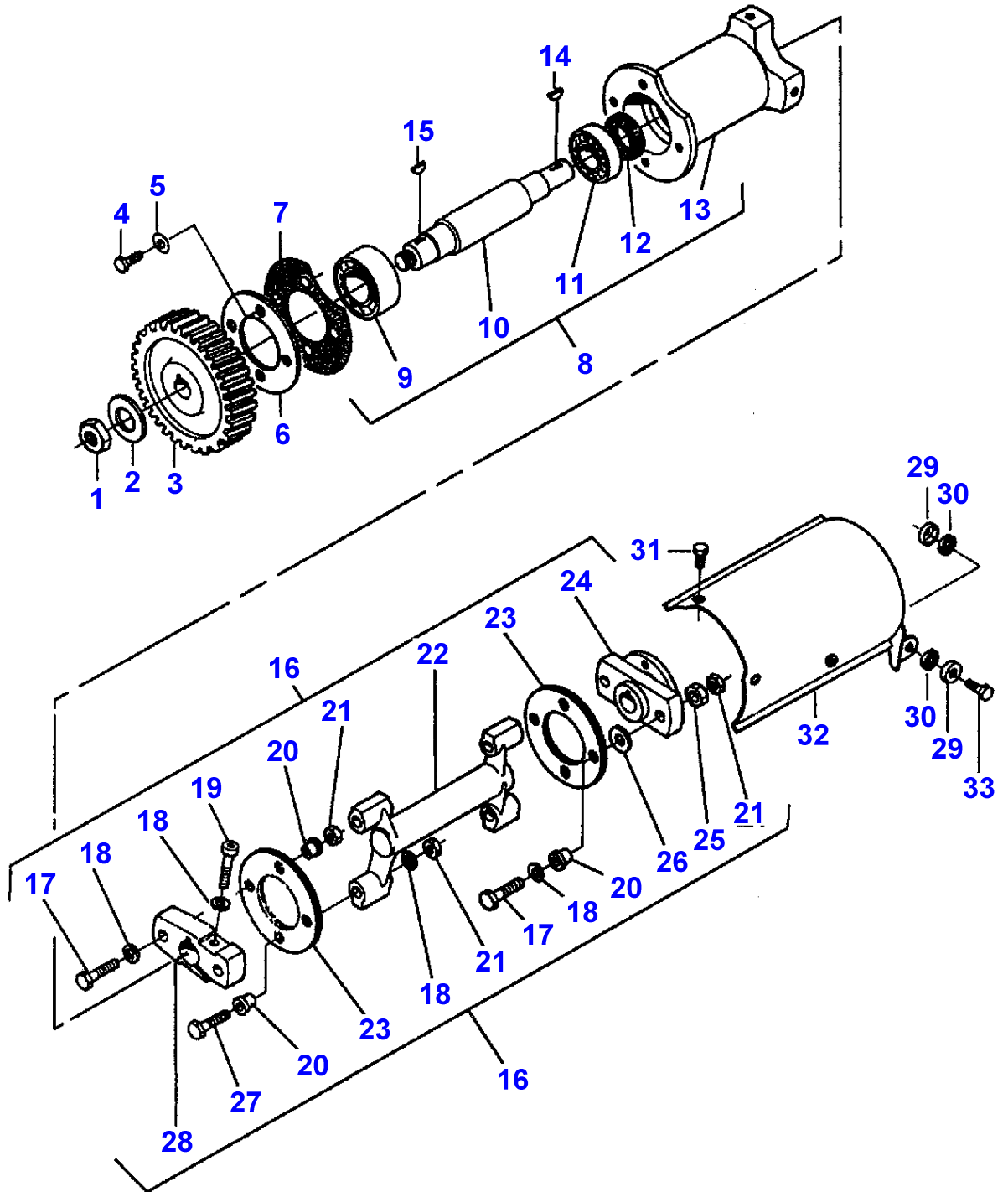
1-HB14-007-A



MASSEY FERGUSON**MF 30/31XP/32/34/36/38/40 COMBINE ENGINES, VALMET - 1637219****1637219****INJECTION PUMP - ENGINE 612DSJL/290HP****207**

Item	Part Number	Qty	Description	Comments
				ENGINE 612DSJL/290HP
1	V836340447	1	Injection Pump	
2	V836336358	1	Bracket	
3	V581805130	2	Screw	
4	V581805150	2	Screw	
5	V500151050	4	Washer	
6	V836324870	2	Sleeve	
7	V595954600	2	Pin	
8	V581805020	4	Screw	
9	V615881420	9	Gasket	
10	V836316814	1	Pressure Valve	
11	V641166006	2	Elbow Nipple	
12	V836120491	1	Pipe	
13	V836338624	1	Pipe	
14	V640435010	3	Screw	
15	V836330959	1	Valve	
16	V640255210	2	Pipe	
17	V836007420	1	Screw	
18	V836355051	1	Pipe	
19	V836128482	1	Support	
20	V602070605	1	Clamp	
21	V510600502	1	Nut	
22	V528801740	1	Screw	
23	V528800762	1	Screw	
24	V615570812	2	Gasket	
25	V640435005	1	Screw	
26	V615881216	3	Gasket	
27	V836338993	1	Union	
28	V836338620	1	Pipe	
29	V836338721	1	Support	
30	V602074608	1	Clamp	
31	V510600602	1	Nut	
32	V528801750	1	Screw	
33	V528801082	1	Screw	
34	V640435008	1	Screw	
35	V641136005	1	Union	
36	V836355050	1	Pipe	

1-HB14-008-A



MASSEY FERGUSON**MF 30/31XP/32/34/36/38/40 COMBINE ENGINES, VALMET - 1637219**

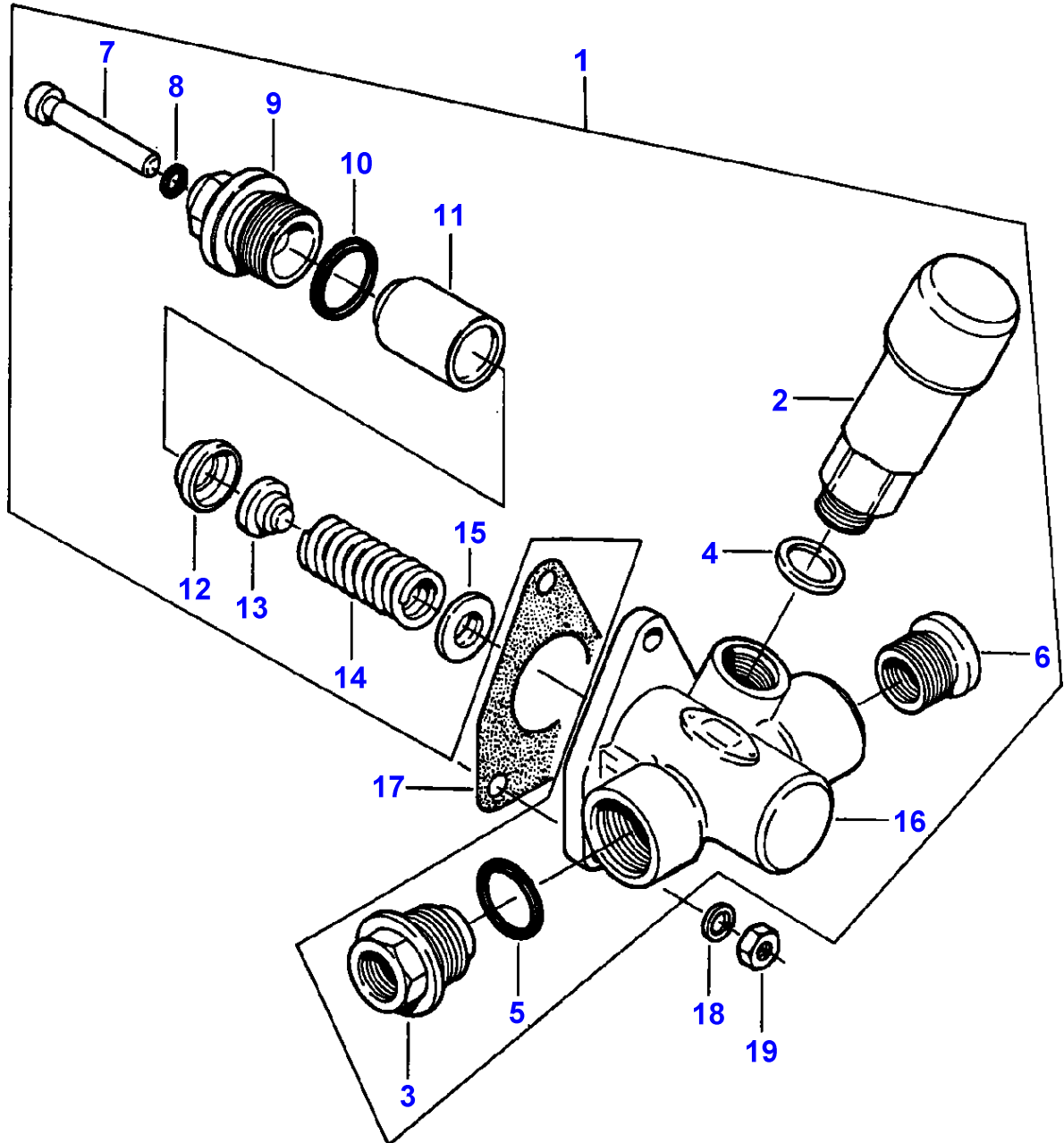
1637219

INJECTION PUMP - ENGINE 612DSJL/290HP

208

Item	Part Number	Qty	Description	Comments
				ENGINE 612DSJL/290HP
1	V510611602	1	Nut	
2	V836328602	1	Washer	
3	V836328629	1	Gear	Up to Serial or Engine Number D 8604
	V836355399	1	Gear	From Serial or Engine Number D 8605
4	V528801400	4	Screw	
5	V500950800	4	Washer	
6	V836336668	1	Washer	
7	V836336669	1	Gasket	
8	V836336666	1	Drive	
9	V610032070	1	Bearing Assy	(8)
10	V836328186	1	Shaft	(8)
11	V610062060	1	Bearing Assy	(8)
12	V614103047	1	Gasket	(8)
13	V836336667	1	Hub	(8)
14	V603305650	1	Key	
15	V603305760	1	Key	
16	V836328658	1	Coupler	
17	V528801810	4	Screw	(16)
18	V500451000	9	Washer	(16)
19	V581705060	1	Screw	(16)
20	V836316809	8	Bush	(16)
21	V504801002	8	Nut	(16)
22	V836324786	1	Spacer	(16)
23	V836316806	8	Disc	(16)
24	V836316805	1	Bearing Carrier	(16)
25	V836316807	2	Nut	(16)
26	V836316808	2	Washer	(16)
27	V528901830	4	Screw	(16)
28	V836316810	1	Bearing Carrier	(16)
29	V836119855	2	Washer	
30	V836012841	2	Gasket	
31	V528801360	3	Screw	
32	V836338556	1	Cowl	
33	V528801360	3	Screw	

1-HB15-009-A



MASSEY FERGUSON**MF 30/31XP/32/34/36/38/40 COMBINE ENGINES, VALMET - 1637219**

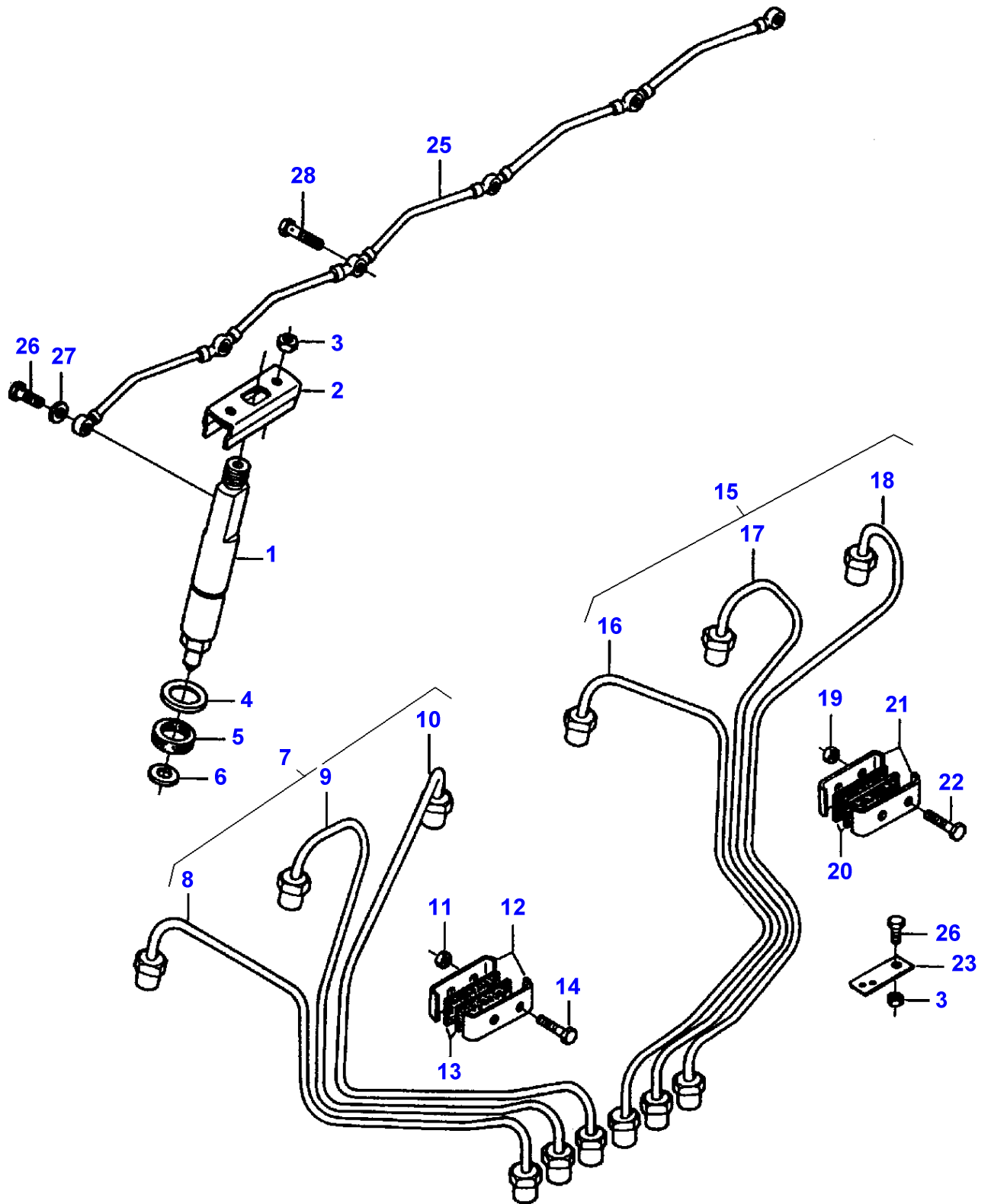
1637219

PUMP - ENGINE 612DSJL/290HP

209

Item	Part Number	Qty	Description	Comments
				ENGINE 612DSJL/290HP
1	V836340066	1	Pump	
2	V835339884	1	Pump	(1)
3	V835340020	1	Union	(1)
4	V615881620	1	Seal	(1)
5	V835340021	1	O Ring	(1)
6	V836340067	1	Union	(1)
7	V836340068	1	Clevis Pin	(1)
8	V836139015	1	O Ring	(1)
9	V836340069	1	Body	(1)
10	V835339876	1	O Ring	(1)
11	V835339877	1	Plunger	(1)
12	V835339882	1	Gasket	(1)
13	V835339880	2	Pressure Valve	(1)
14	V835339878	1	Spring	(1)
15	V835339879	2	Washer	(1)
16	V835340018	1	Housing	(1)
17	V836329194	1	Gasket	
18	V500450602	3	Washer	
19	V504600602	3	Nut	

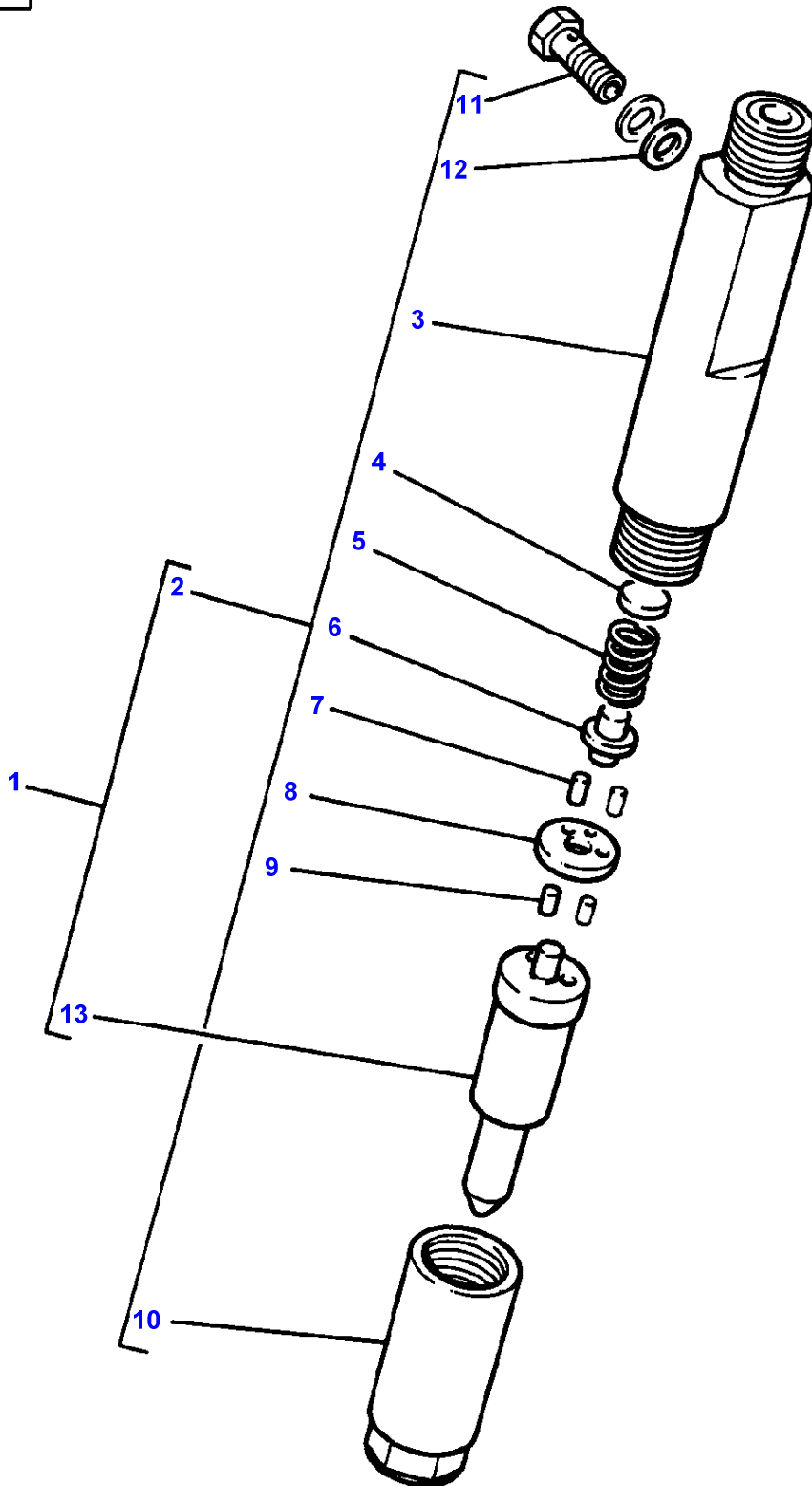
1-HB16-006-A



MASSEY FERGUSON**MF 30/31XP/32/34/36/38/40 COMBINE ENGINES, VALMET - 1637219****1637219****FUEL PIPINGS - ENGINE 612DSJL/290HP****210**

Item	Part Number	Qty	Description	Comments
				ENGINE 612DSJL/290HP
1	V836339180	6	Atomiser	
2	V835331103	6	Retainer	
3	V504800800	13	Nut	
4	V835336275	6	Washer	
5	V835336276	6	Seal	
6	V899901495	6	Washer	
7	V836338625	1	Kit, Pipe	
8	V836338697	1	Injection Pipe	(7) NO.1
9	V836338698	1	Injection Pipe	(7) NO.2
10	V836338699	1	Injection Pipe	(7) NO.3
11	V504600502	4	Nut	(7)
12	V836324446	4	Holding Fixture	(7)
13	V836324443	4	Rubber Strap	(7)
14	V528800802	4	Screw	(7)
15	V836338626	1	Kit, Pipe	
16	V836338700	1	Injection Pipe	(15) NO.4
17	V836338701	1	Injection Pipe	(15) NO.5
18	V836338702	1	Injection Pipe	(15) NO.6
19	V504600502	4	Nut	(15)
20	V836324443	4	Rubber Strap	(15)
21	V836324446	4	Holding Fixture	(15)
22	V528800802	4	Screw	(15)
23	V835346007	1	Support	(15)
24	V528801360	1	Screw	
25	V836355330	1	Tube	Repairs and replaces V836336925
26	V835331289	5	Screw	
27	V615870710	13	Seal	
28	V835336943	1	Screw	

1-HB17-006-A

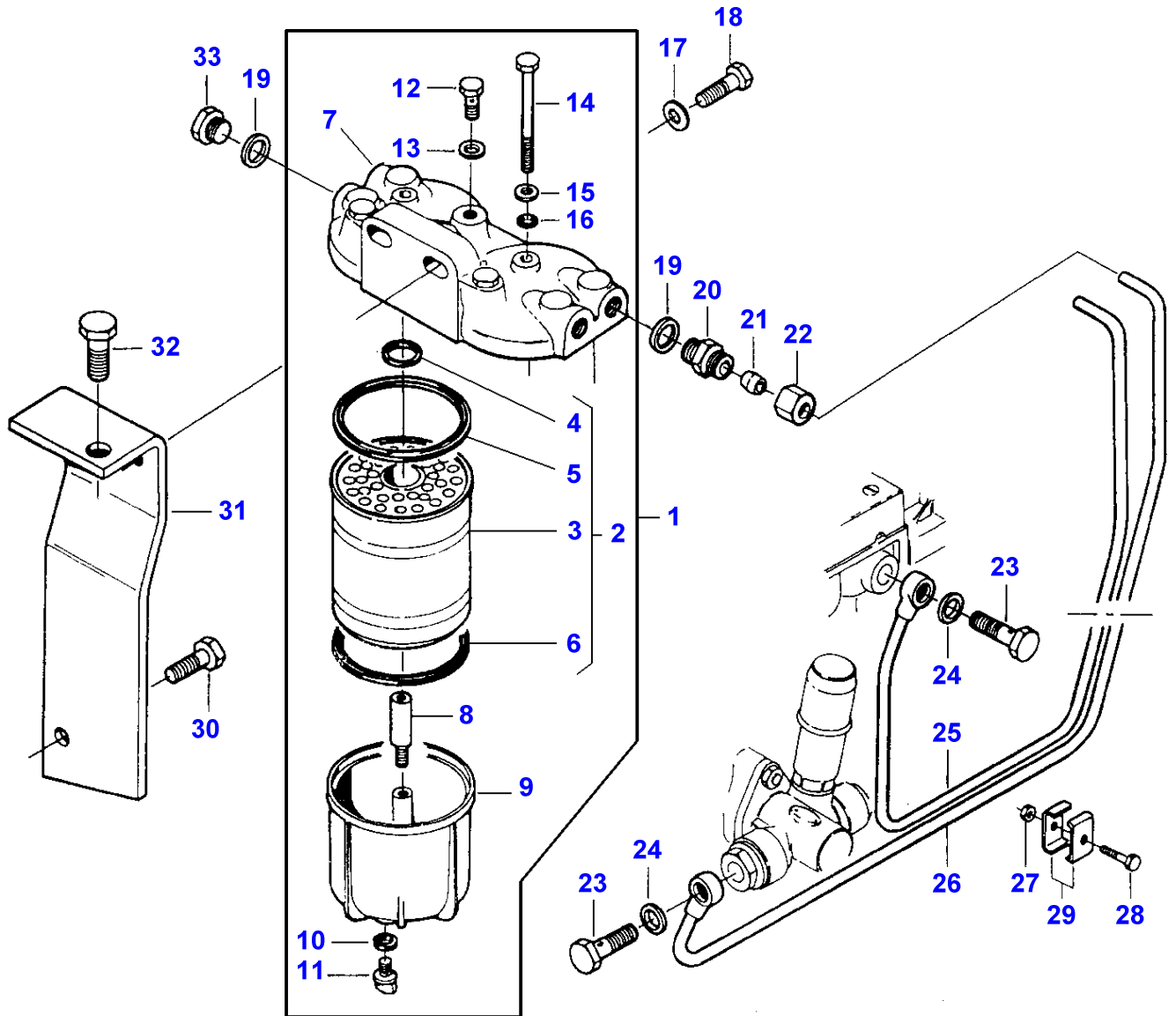


Item	Part Number	Qty	Description	Comments
				ENGINE 612DSJL/290HP
1	V836339180	1	Atomiser	See Page - Reference Number 210/1
2	V835331100	1	Atomiser	(1)
3		X	Holder	(2)
				Not serviced, order REF.2
4	V835339235	X	Shim	(2)
				Thickness 1.00MM
4	V835339236	X	Shim	(2)
				Thickness 1.02MM
4	V835339237	X	Shim	(2)
				Thickness 1.04MM
4	V835339238	X	Shim	(2)
				Thickness 1.06MM
4	V835339239	X	Shim	(2)
				Thickness 1.08MM
4	V835339240	X	Shim	(2)
				Thickness 1.10MM
4	V835339241	X	Shim	(2)
				Thickness 1.12MM
4	V835339242	X	Shim	(2)
				Thickness 1.14MM
4	V835339243	X	Shim	(2)
				Thickness 1.16MM
4	V835339244	X	Shim	(2)
				Thickness 1.18MM
4	V835339245	X	Shim	(2)
				Thickness 1.20MM
4	V835339246	X	Shim	(2)
				Thickness 1.22MM
4	V835339247	X	Shim	(2)
				Thickness 1.24MM
4	V835339248	X	Shim	(2)
				Thickness 1.26MM
4	V835339249	X	Shim	(2)
				Thickness 1.28MM
4	V835339250	X	Shim	(2)
				Thickness 1.30MM
4	V835339251	X	Shim	(2)
				Thickness 1.32MM
4	V835339252	X	Shim	(2)
				Thickness 1.34MM
4	V835339253	X	Shim	(2)
				Thickness 1.36MM
4	V835339254	X	Shim	(2)
				Thickness 1.38MM
4	V835339255	X	Shim	(2)
				Thickness 1.40MM
4	V835339256	X	Shim	(2)
				Thickness 1.42MM
4	V835339257	X	Shim	(2)
				Thickness 1.44MM
4	V835339258	X	Shim	(2)
				Thickness 1.46MM
4	V835339259	X	Shim	(2)
				Thickness 1.48MM
4	V835339260	X	Shim	(2)
				Thickness 1.50MM
4	V835339261	X	Shim	(2)
				Thickness 1.52MM
4	V835339262	X	Shim	(2)
				Thickness 1.54MM
4	V835339263	X	Shim	(2)
				Thickness 1.56MM
4	V835339264	X	Shim	(2)
				Thickness 1.58MM
4	V835339265	X	Shim	(2)
				Thickness 1.60MM
4	V835339266	X	Shim	(2)
				Thickness 1.62MM

INJECTOR - ENGINE 612DSJL/290HP

Item	Part Number	Qty	Description	Comments
4	V835339267	X	Shim	(2) Thickness 1.64MM
4	V835339268	X	Shim	(2) Thickness 1.66MM
4	V835339269	X	Shim	(2) Thickness 1.68MM
4	V835339270	X	Shim	(2) Thickness 1.70MM
4	V835339271	X	Shim	(2) Thickness 1.72MM
4	V835339272	X	Shim	(2) Thickness 1.74MM
4	V835339273	X	Shim	(2) Thickness 1.76MM
4	V835339274	X	Shim	(2) Thickness 1.78MM
4	V835339275	X	Shim	(2) Thickness 1.80MM
4	V835339276	X	Shim	(2) Thickness 1.82MM
4	V835339277	X	Shim	(2) Thickness 1.84MM
4	V835339278	X	Shim	(2) Thickness 1.86MM
4	V835339279	X	Shim	(2) Thickness 1.88MM
4	V835339280	X	Shim	(2) Thickness 1.90MM
4	V835339281	X	Shim	(2) Thickness 1.92MM
4	V835339282	X	Shim	(2) Thickness 1.94MM
4	V835339283	X	Shim	(2) Thickness 1.96MM
4	V835339284	X	Shim	(2) Thickness 1.98MM
5	V835331283	1	Spring	(2)
6	V835331284	1	Pin	(2)
7	V835331286	2	Clevis Pin	(2)
8	V835331285	1	Distance Piece	(2)
9	V835331287	2	Clevis Pin	(2)
10	V835331288	1	Body	(2)
11	V835331289	1	Screw	(2)
12	V615870610	2	Seal	(2)
13	V836339179	1	Nozzle	(1)

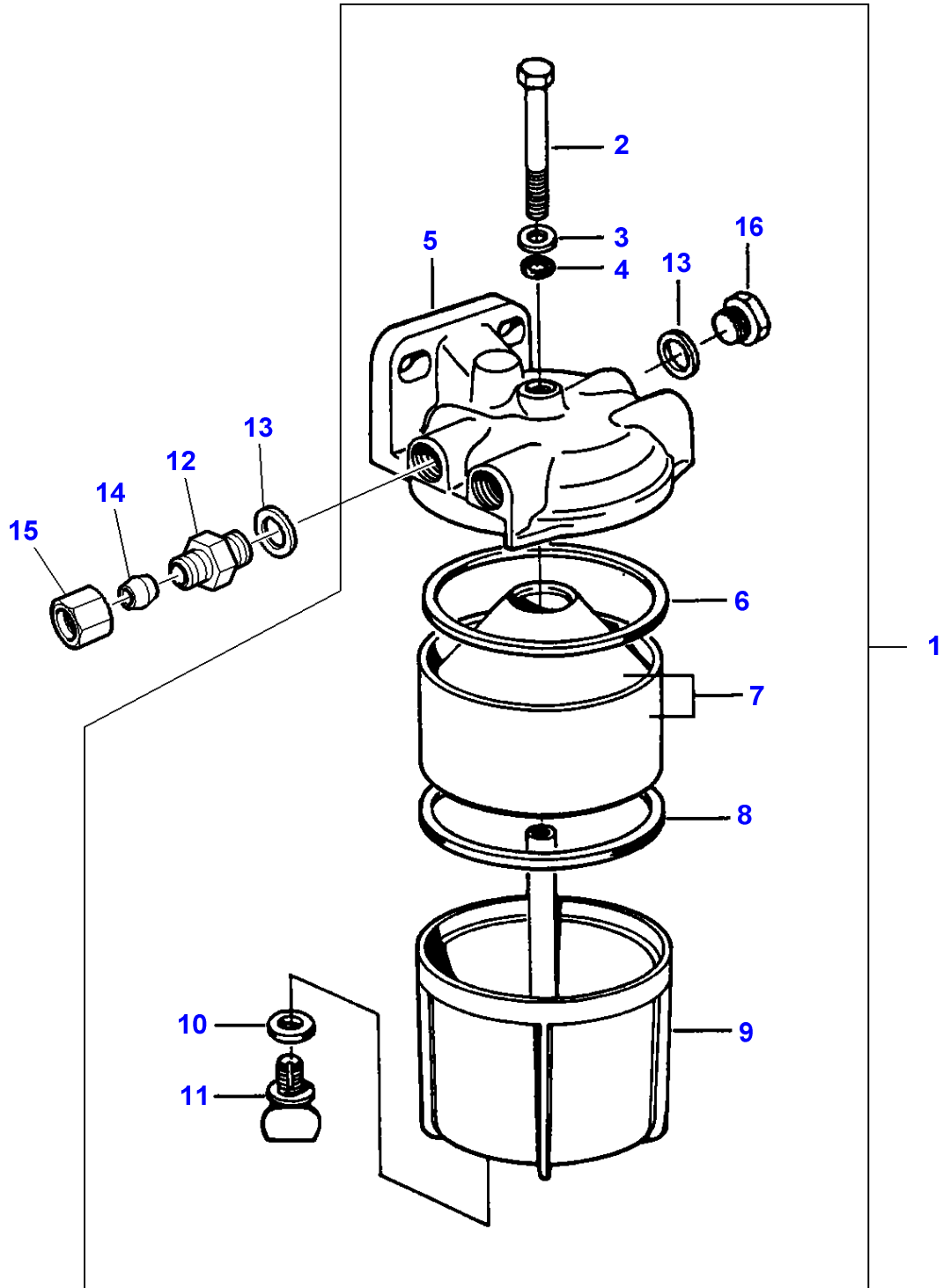
1-HB18-012-A



MASSEY FERGUSON**MF 30/31XP/32/34/36/38/40 COMBINE ENGINES, VALMET - 1637219****1637219****FUEL FILTER - ENGINE 612DSJL/290HP-DOUBLE FILTER****212**

Item	Part Number	Qty	Description	Comments
				ENGINE 612DSJL/290HP-DOUBLE FILTER
1	V836339370	1	Fuel Filter	
2	1896287M91	2	Fuel Element	(1)
3		1	Element	(2) Not serviced, order REF.2
4	V836015142	1	O Ring	(2)
5	V835330014	1	Gasket	(2)
6	V835330015	1	Gasket	(2)
7	V836015959	1	Cover	(1)
8	V836339372	2	Stud	(1)
9	V836340045	2	Bowl	(1)
10	V836015147	2	Gasket	(1)
11	V836015148	2	Plug	(1)
12	V836015958	1	Screw	(1)
13	V615571014	1	Seal	(1)
14	V836015149	2	Screw	(1)
15	V836015918	2	Washer	(1)
16	V836015919	2	O Ring	(1)
17	V500151050	2	Washer	
18	V528801820	2	Screw	
19	V615581317	4	Seal	
20	V835329832	2	Union	
21	V641596010	2	Olive	
22	V641626010	2	Nut	
23	V640435010	2	Screw	
24	V615881420	4	Gasket	
25	V836352673	1	Pipe	
26	V836352672	1	Pipe	
27	V510600502	2	Nut	
28	V529800812	2	Screw	
29	V836324445	4	Clamp	
30	V528802200	1	Screw	
31	V836352671	1	Bracket	
32	V528802602	1	Screw	
33	V836117323	2	Plug	

1-HB30-002-A



MASSEY FERGUSON**MF 30/31XP/32/34/36/38/40 COMBINE ENGINES, VALMET - 1637219**

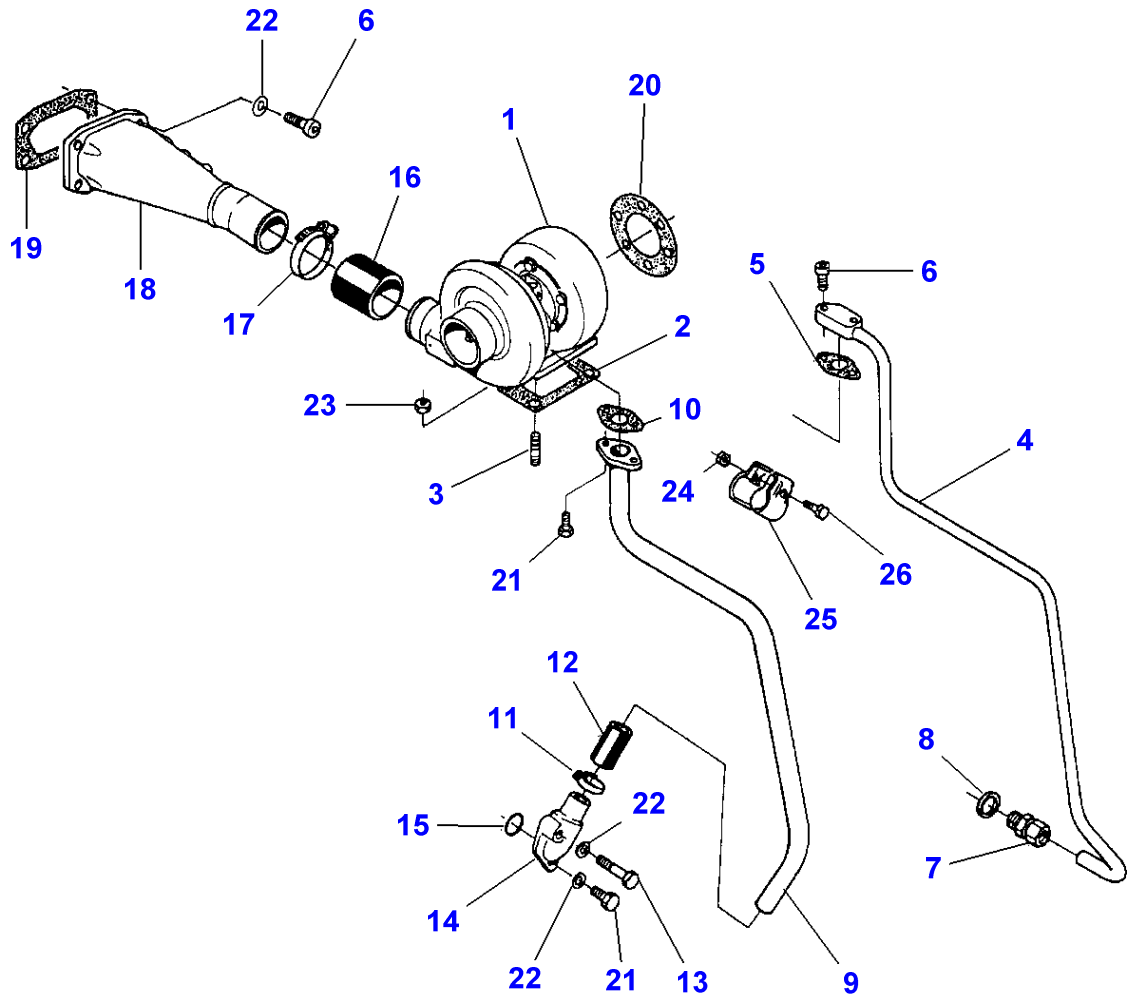
1637219

SEDIMENTER - ENGINE 612DSJL/290HP

213

Item	Part Number	Qty	Description	Comments
				ENGINE 612DSJL/290HP
1	V836115720	1	Sediment Bowl	
2	V836015149	1	Screw	(1)
3	V836015918	1	Washer	(1)
4	V836015919	1	O Ring	(1)
5	V836015960	1	Filter Head	(1)
6	V835330014	1	Gasket	(1)
7	V835339420	1	Filter Insert	(1)
8	V835330015	1	Gasket	(1)
9	V835339421	1	Container	(1)
10	V836015147	1	Gasket	(1)
11	V836015148	1	Plug	(1)
12	V835329832	2	Union	
13	V615581317	4	Seal	(1)
14	V641596010	2	Olive	
15	V641626010	2	Nut	
16	V836117323	2	Plug	(1)

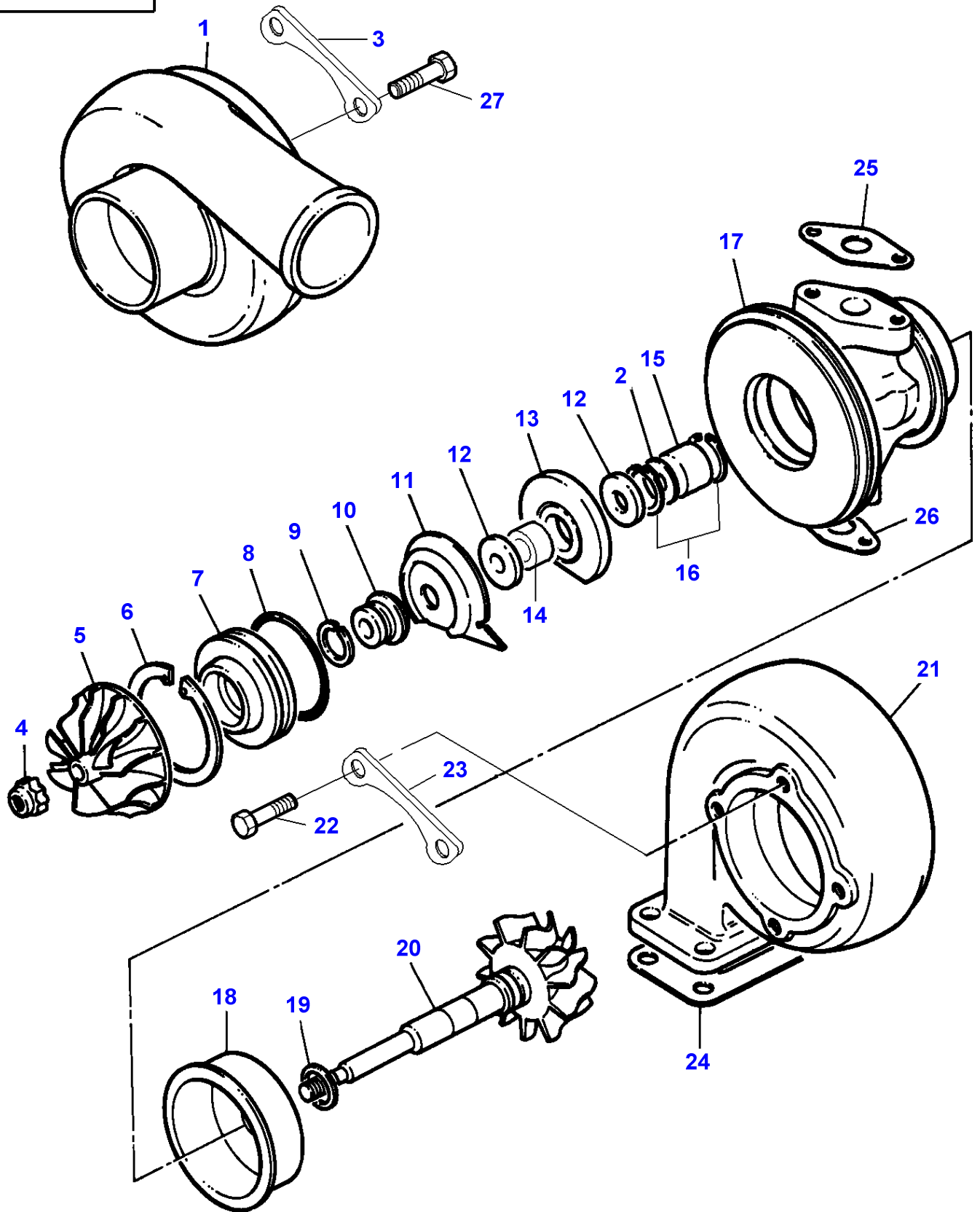
1-HB20-006-A



MASSEY FERGUSON**MF 30/31XP/32/34/36/38/40 COMBINE ENGINES, VALMET - 1637219****1637219****TURBOCHARGER-PIPES - ENGINE 612DSJL/290HP****214**

Item	Part Number	Qty	Description	Comments
				ENGINE 612DSJL/290HP
1	V836340641	1	Turbocharger	See Page - Reference Number 215
2	V836316726	1	Gasket	
3	V546801780	4	Stud	
4	V836338621	1	Pipe	
5	V836308344	1	Joint	
6	V581804630	6	Screw	
7	V641086012	1	Union	
8	V615881620	1	Seal	
9	V836338649	1	Pipe	
10	V836324580	1	Joint	
11	V602087528	2	Clamp	
12	V835324317	1	Hose	
13	V529801480	1	Screw	
14	V836346405	1	Tube	
15	V614603230	1	O Ring	
16	V836128181	1	Hose	
17	V602061668	2	Clamp	Repairs and replaces V602083550
18	V836338225	1	Pipe	
19	V836338372	1	Gasket	
20	V836338985	1	Gasket	
21	V528801380	3	Screw	
22	V500950800	6	Washer	
23	V521601000	4	Nut	
24	V510600602	2	Nut	
25	V835324324	4	Clamp	
26	V529801112	2	Screw	

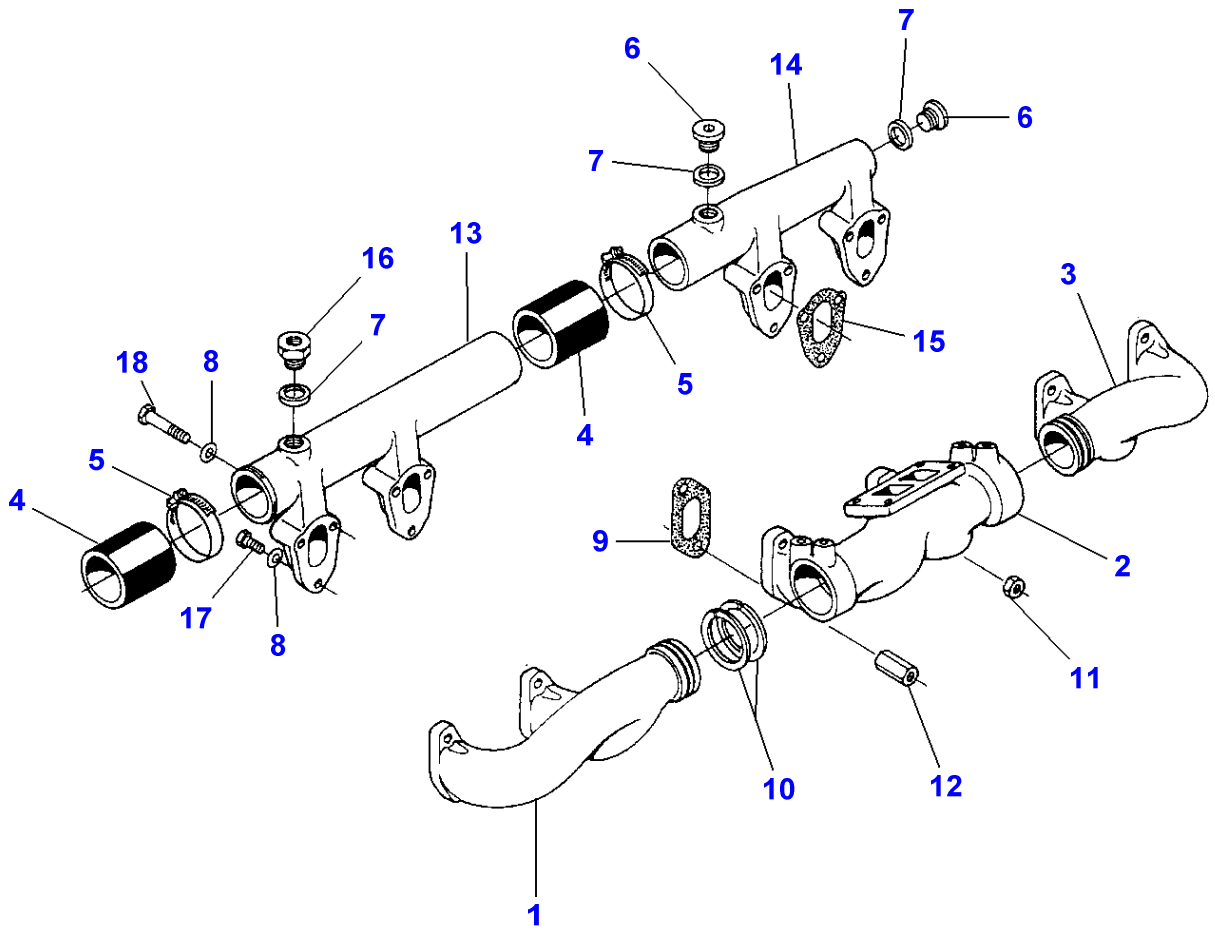
1-HB21-006-A



MASSEY FERGUSON**MF 30/31XP/32/34/36/38/40 COMBINE ENGINES, VALMET - 1637219****1637219****TURBOCHARGER - ENGINE 612DSJL/290HP****215**

Item	Part Number	Qty	Description	Comments
				ENGINE 612DSJL/290HP
1	V836340817	1	Housing	
2	V836339801	1	Washer	
3	V836340811	3	Clamp	
4	V836340812	1	Nut	
5	V836340814	1	Compressor	
6	V835339516	1	Clip	
7	V836340723	1	Insert	
8	V835339517	1	O Ring	
9	V835339510	1	Piston Ring	
10	V836840297	1	Flinger	
11	V835339514	1	Deflector	
12	V836340721	2	Ring	
13	V836340731	1	Bearing	
14	V836340722	1	Spacer	
15	V836840298	2	Bearing	
16	V836339794	4	Circlip	
17	V836340816	1	Bearing Housing	
18	V836339796	1	Flange	
19	V836339796	1	Flange	
20	V836340815	1	Shaft	
21	V836340728	1	Housing	
22	V836840294	4	Screw	
23	V836339800	2	Plate	
24	V836316726	1	Gasket	
25	V836308344	1	Joint	
26	V836324580	1	Joint	
27	V836340813	5	Nut	

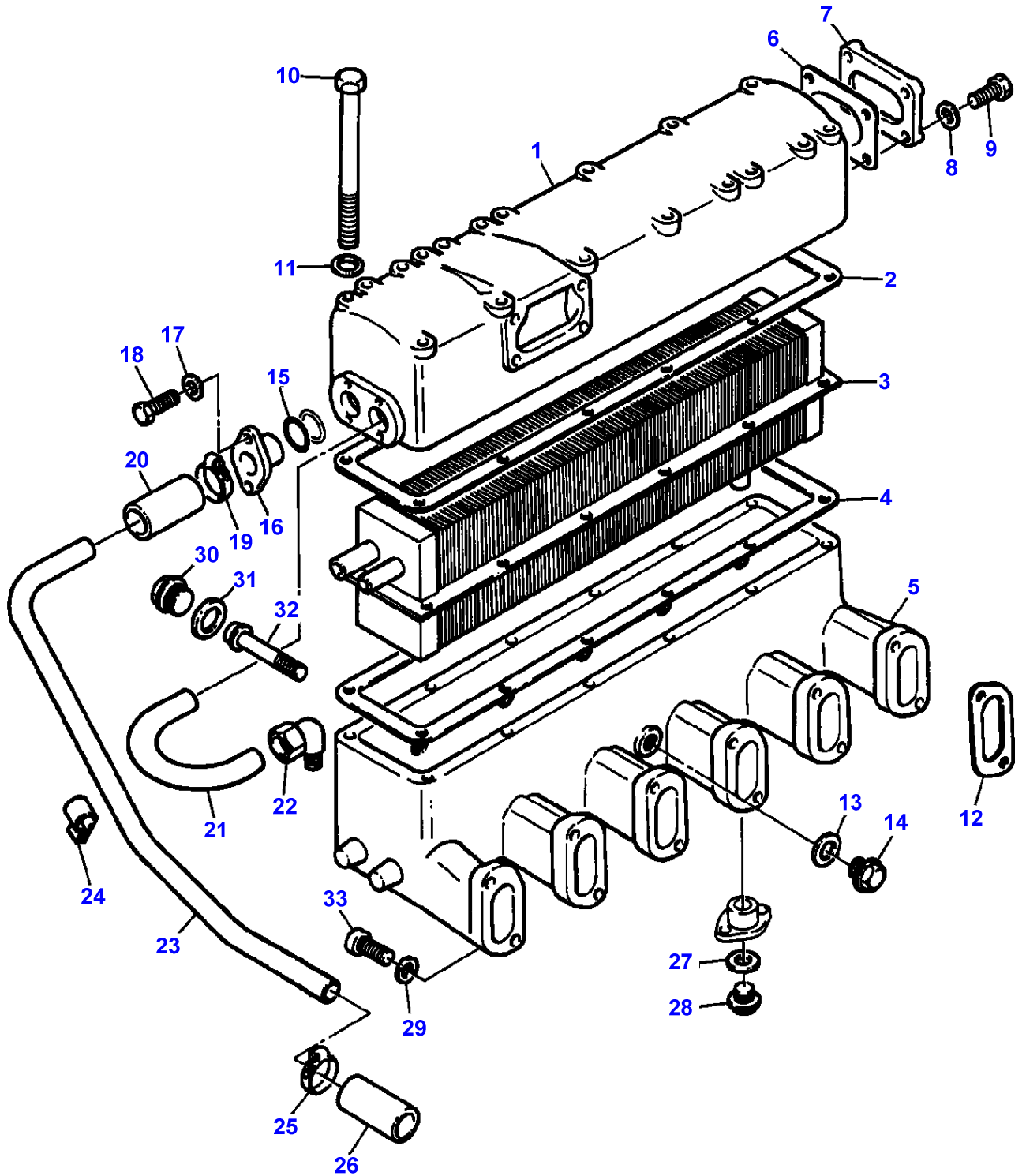
1-HB19-006-A



MASSEY FERGUSON**MF 30/31XP/32/34/36/38/40 COMBINE ENGINES, VALMET - 1637219****1637219****TURBOCHARGER-INLET AND EXHAUST MANIFOLD - ENGINE 612DSJL/290HP****216**

Item	Part Number	Qty	Description	Comments
				ENGINE 612DSJL/290HP
1	V836322794	1	Manifold	
2	V836322793	1	Manifold	
3	V836322795	1	Manifold	
4	V836122248	2	Hose	
5	V602061668	4	Clamp	Repairs and replaces V602083550
6	V640325018	2	Plug	
7	V615881822	3	Seal	
8	V500950800	12	Washer	
9	V836122886	6	Joint	
10	V836316519	4	Segment	
11	V504801002	11	Nut	
12	V836020147	1	Nut	
13	V836340898	1	Parts Pack	
14	V836340898	1	Parts Pack	
15	V836322247	4	Joint	
16	V836119643	1	Plug	
17	V528801380	4	Screw	
18	V529801460	8	Screw	

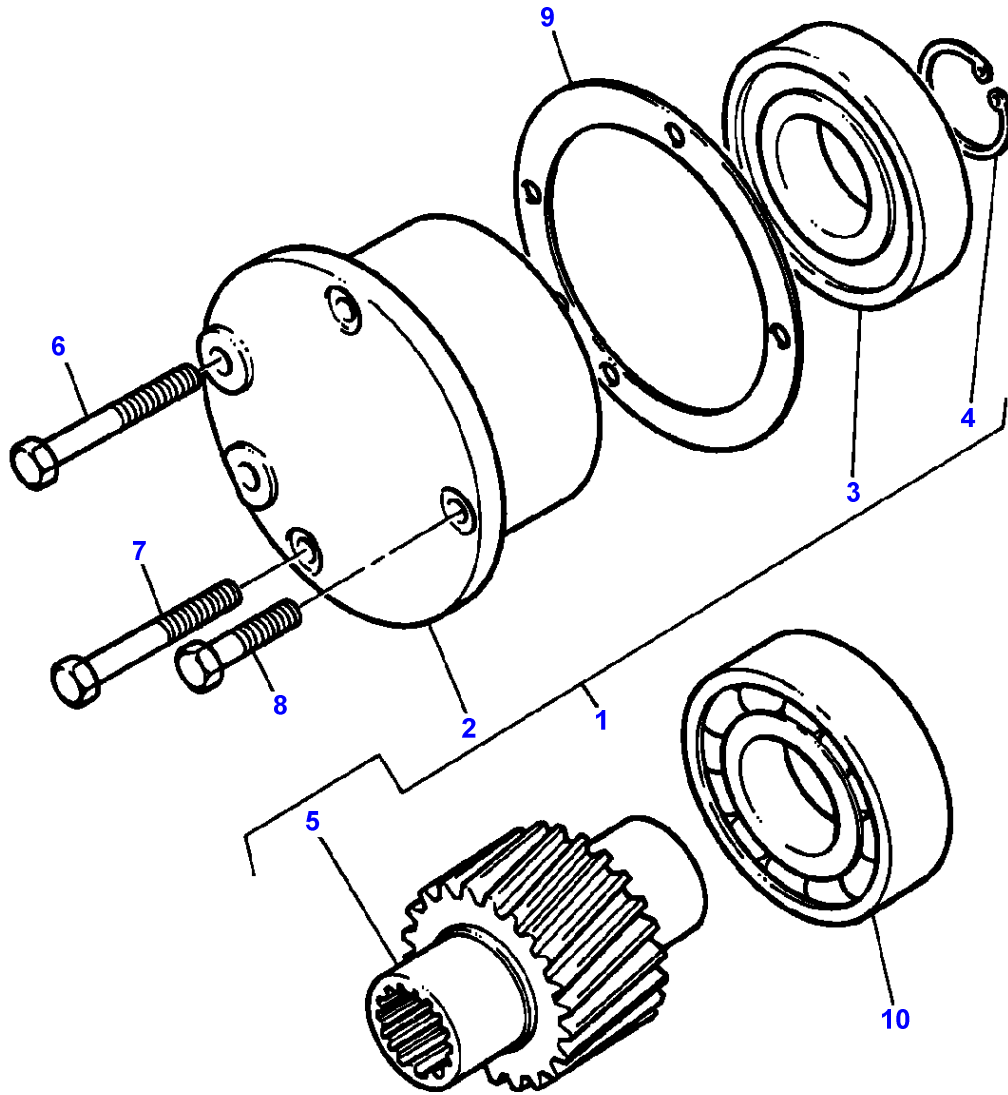
1-HB26-002-A



MASSEY FERGUSON**MF 30/31XP/32/34/36/38/40 COMBINE ENGINES, VALMET - 1637219****1637219****INTERCOOLER - ENGINE 612DSJL/290HP****217**

Item	Part Number	Qty	Description	Comments
				ENGINE 612DSJL/290HP
1	V836338780	1	Housing	
2	V836328983	1	Gasket	
3	V836328116	1	Cooler	
4	V836328983	1	Gasket	
5	V836336394	1	Manifold	
6	V836324568	1	Gasket	
7	V836338227	1	Cover	
8	V500950800	4	Washer	
9	V528801400	4	Screw	
10	V529801580	12	Setscrew	
11	V500950800	12	Washer	
12	V836006803	6	Joint	
13	V615882227	2	Gasket	
14	V836114958	2	Plug	
15	V614601930	6	O Ring	
16	V836338316	3	Flange	
17	V836120989	6	Washer	
18	V528801400	6	Screw	
19	V602088532	4	Clamp	
20	V836329496	2	Hose	
21	V836336188	1	Pipe	
22	V641176018	1	Union	
23	V836338546	1	Pipe	
24	V602074620	1	Clamp	
25	V602088532	2	Clamp	
26	V836329496	1	Hose	
27	V615881420	1	Gasket	
28	V640046014	1	Plug	
29	V500950800	7	Washer	
30	V640045022	5	Plug	
31	V615882227	5	Gasket	
32	V835336601	5	Screw	
33	V581804630	7	Screw	

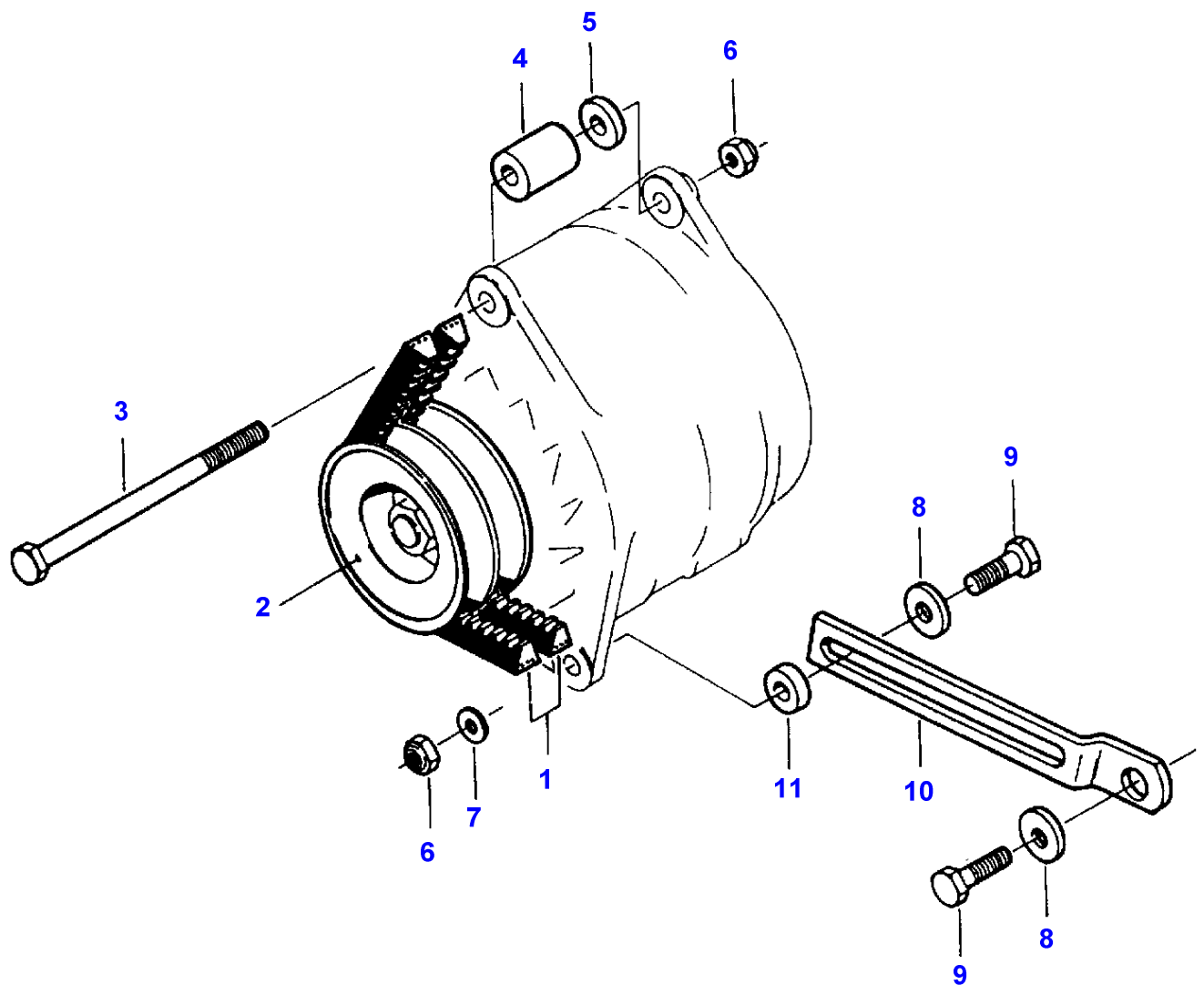
1-HB22-004-A



MASSEY FERGUSON**MF 30/31XP/32/34/36/38/40 COMBINE ENGINES, VALMET - 1637219****1637219****DRIVE - ENGINE 612DSJL/290HP****218**

Item	Part Number	Qty	Description	Comments
				ENGINE 612DSJL/290HP
1	V836324279	1	Drive	
2	V836120881	1	Bearing Housing	(1)
3	V610060094	1	Bearing Assy	(1)
4	V617330031	1	Circlip	(1)
5	V836122843	1	Shaft	(1)
6	V529801460	1	Screw	
7	V529801550	2	Screw	
8	V528801400	1	Screw	
9	V836117338	1	Gasket	
10	V610060090	1	Bearing Assy	

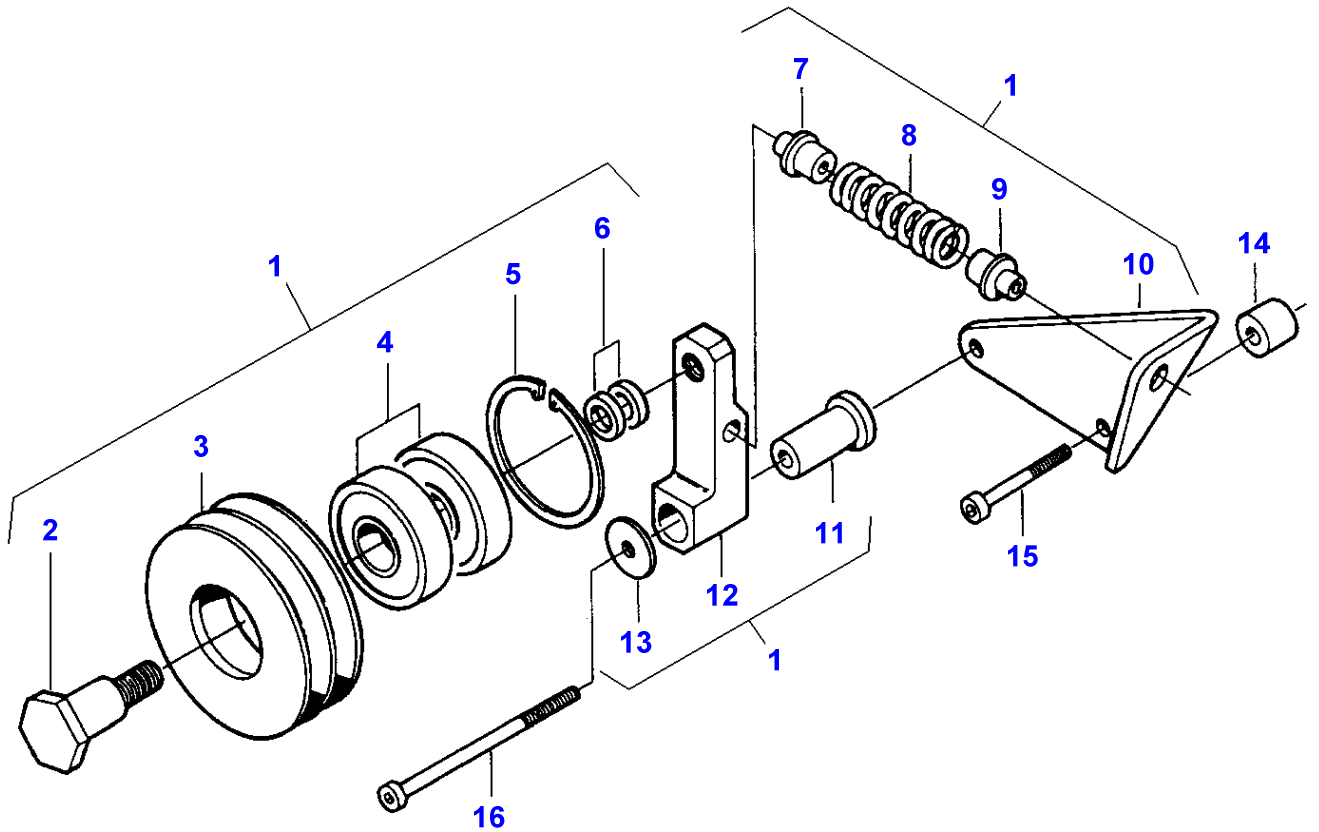
1-HB23-007-B



MASSEY FERGUSON**MF 30/31XP/32/34/36/38/40 COMBINE ENGINES, VALMET - 1637219****1637219****BELT TENSIONER - ENGINE 612DSJL/290HP UP TO S/N C 5508****219**

Item	Part Number	Qty	Description	Comments
				ENGINE 612DSJL/290HP UP TO S/N C 5508
1	D41990013	2	Belt	
2	V836346226	1	Pulley	
3	V529801580	1	Setscrew	
4	V835338114	1	Distance Piece	
5	V836324956	1	Spacer	
6	V510600802	2	Nut	
7	V500950800	1	Washer	
8	V836120989	2	Washer	
9	V529801420	2	Screw	
10	V836336299	1	Tightener	Up to Serial or Engine Number C 2023
	V836138309	1	Tensioner	From Serial or Engine Number C 2024
11	V836019387	1	Spacer	From Serial or Engine Number C 2024
	V836117352	1	Spacer	Up to Serial or Engine Number C 2023

1-HB23-006-A



MASSEY FERGUSON**MF 30/31XP/32/34/36/38/40 COMBINE ENGINES, VALMET - 1637219**

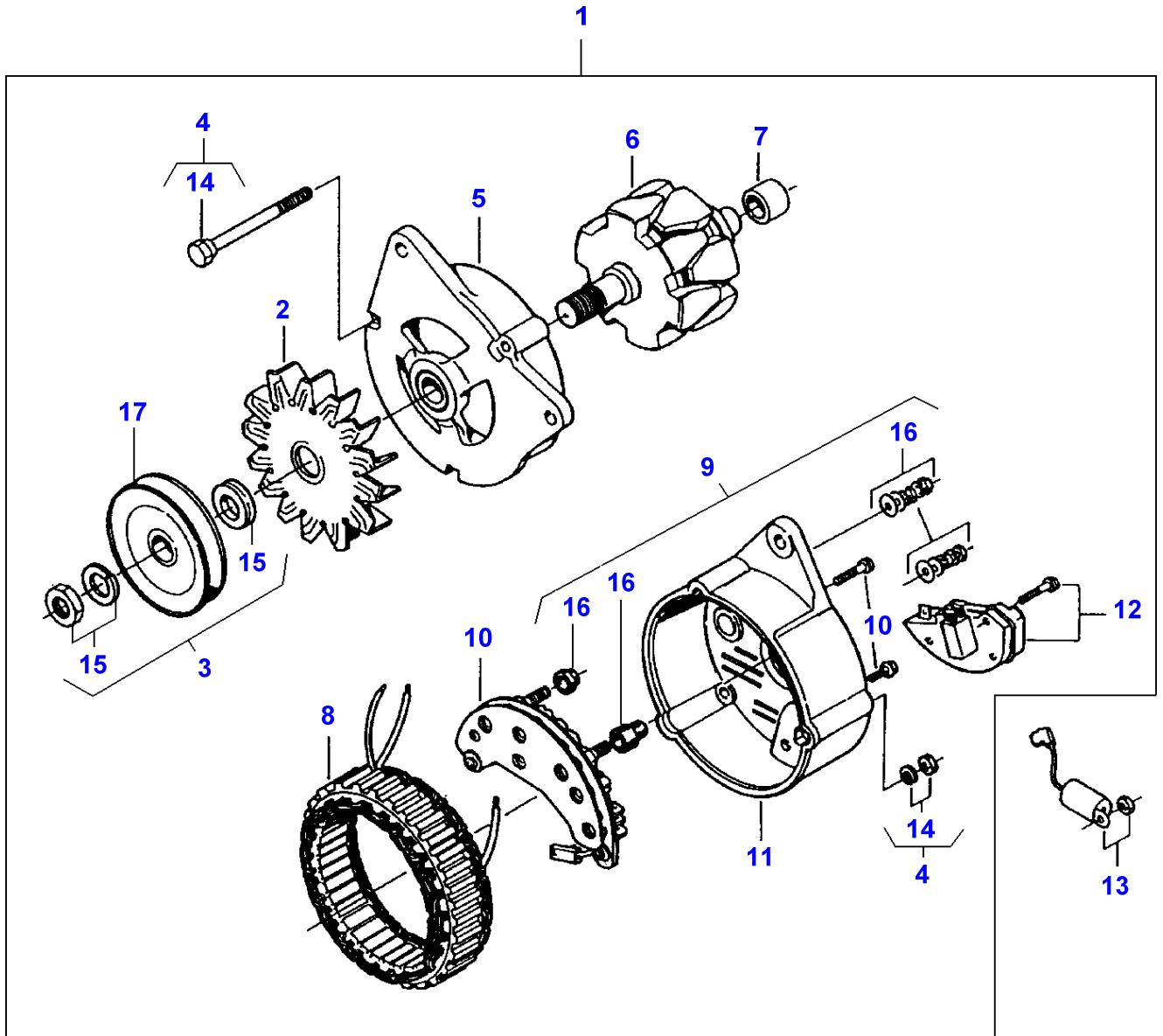
1637219

BELT TENSIONER - ENGINE 612DSJL/290CH FROM S/N C 5509

220

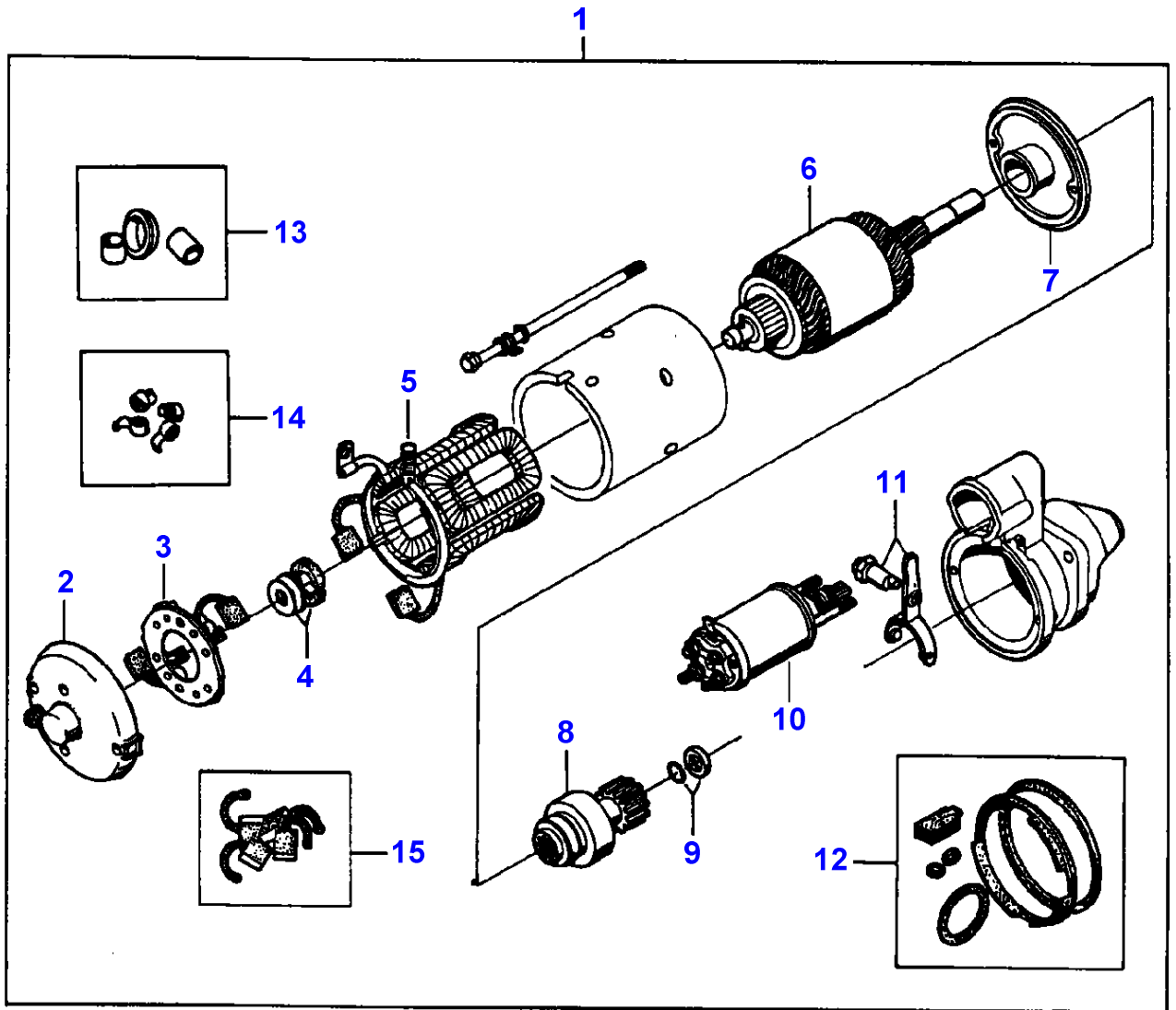
Item	Part Number	Qty	Description	Comments
				ENGINE 612DSJL/290CH FROM S/N C 5509
1	V836352787	1	Kit	
2	V835328920	1	Shaft	(1)
3	V835328919	1	Pulley	(1)
4	V610063044	2	Bearing Assy	(1)
5	V617330052	1	Circlip	(1)
6	V836328922	2	Sleeve	(1)
8	V836352610	1	Spring	(1)
9	V836352611	2	Spring Plate	(1)
10	V836352785	1	Bracket	(1)
11	V836352613	1	Sleeve	(1)
12	V836352612	1	Housing	(1)
13	V836017779	1	Washer	(1)
14	V836652095	2	Sleeve	
15	V581804680	1	Screw	
16	V581704770	1	Screw	

1-HB24-007-A



Item	Part Number	Qty	Description	Comments
				ENGINE 612DSJL/290HP
1	V836640128	1	Alternator	LUCAS A.127 65A
2	V835339376	1	Fan	(1)
3	V835339379	1	Parts Pack	(1)
4	V835339380	1	Kit, Bolt	(1)
5	V835339381	1	Bracket	(1)
6		1	Rotor	(1) Not serviced, order REF 1
7	V835339386	1	Bearing	(1)
8		1	Stator	(1) Not serviced, order REF 1
9	V835339385	1	Kit, Terminal	(1)
10	V835339384	1	Rectifier	(1)
11	V835339387	1	Bracket	(1)
12	V835339388	1	Regulator	(1)
13	V835339391	1	Capacitor	
14		1	Screw	(4) Not serviced, order REF 4
15		1	Washer	(3) Not serviced, order REF 3
16		1	Kit	(9) Not serviced, order REF 9
17	V836640129	1	Pulley	(1)

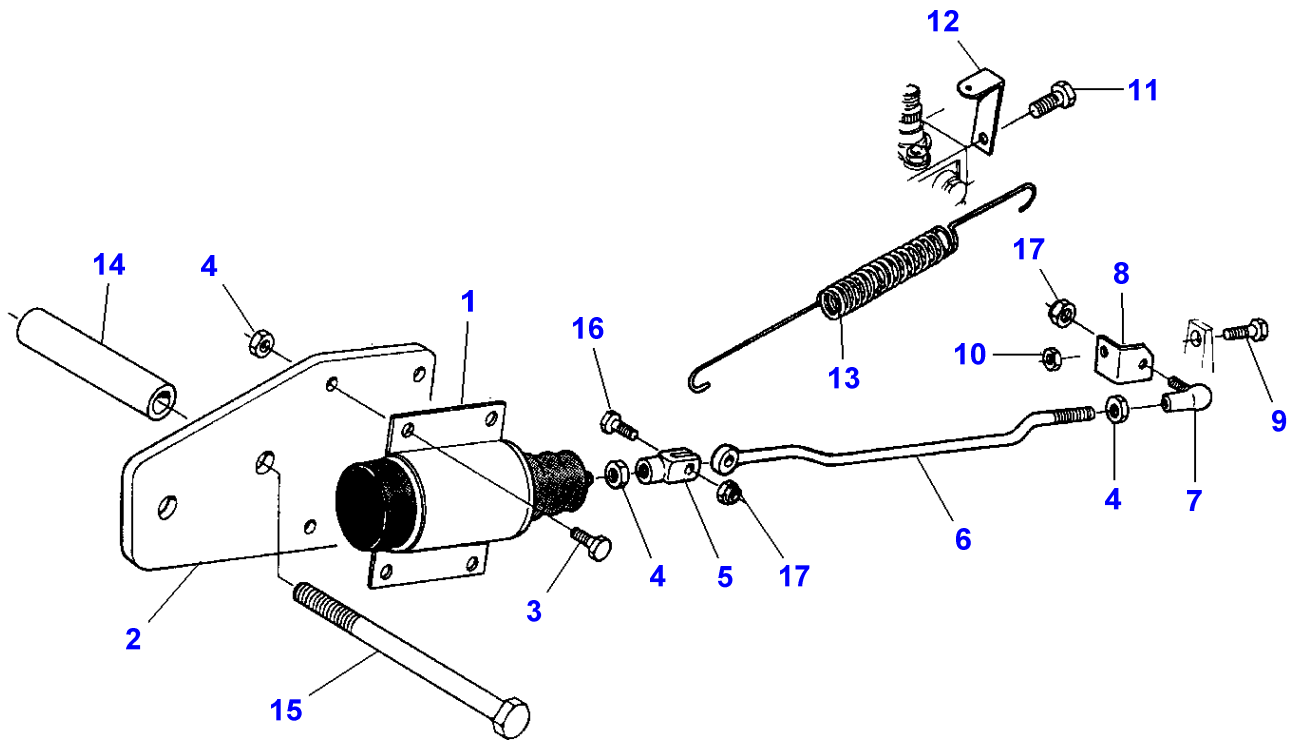
1-HB25-007-A



MASSEY FERGUSON**MF 30/31XP/32/34/36/38/40 COMBINE ENGINES, VALMET - 1637219****1637219****STARTER MOTOR - ENGINE 612DSJL/290HP****222**

Item	Part Number	Qty	Description	Comments
				ENGINE 612DSJL/290HP
1	V835346811	1	Startermotor	
2	V835331862	1	Flange	(1)
3	V836015847	1	Holder	(1)
4	V836015839	1	Bush	(1)
5	V836640938	1	Startermotor	(1)
6	3473800M91	1	Armature	(1)
7	V835331867	1	Flange	(1)
8	V835331868	1	Flinger	(1)
9	V835331865	1	Washer	(1)
10	V836640946	1	Solenoid	(1)
11	V835331869	1	Fork	(1)
12	V835331870	1	Kit, Joint	(1)
13	V836015848	1	Kit, Bush	(1)
14	V836015232	1	Kit, Spring	(1)
15	V836015230	1	Kit, Brush	(1)

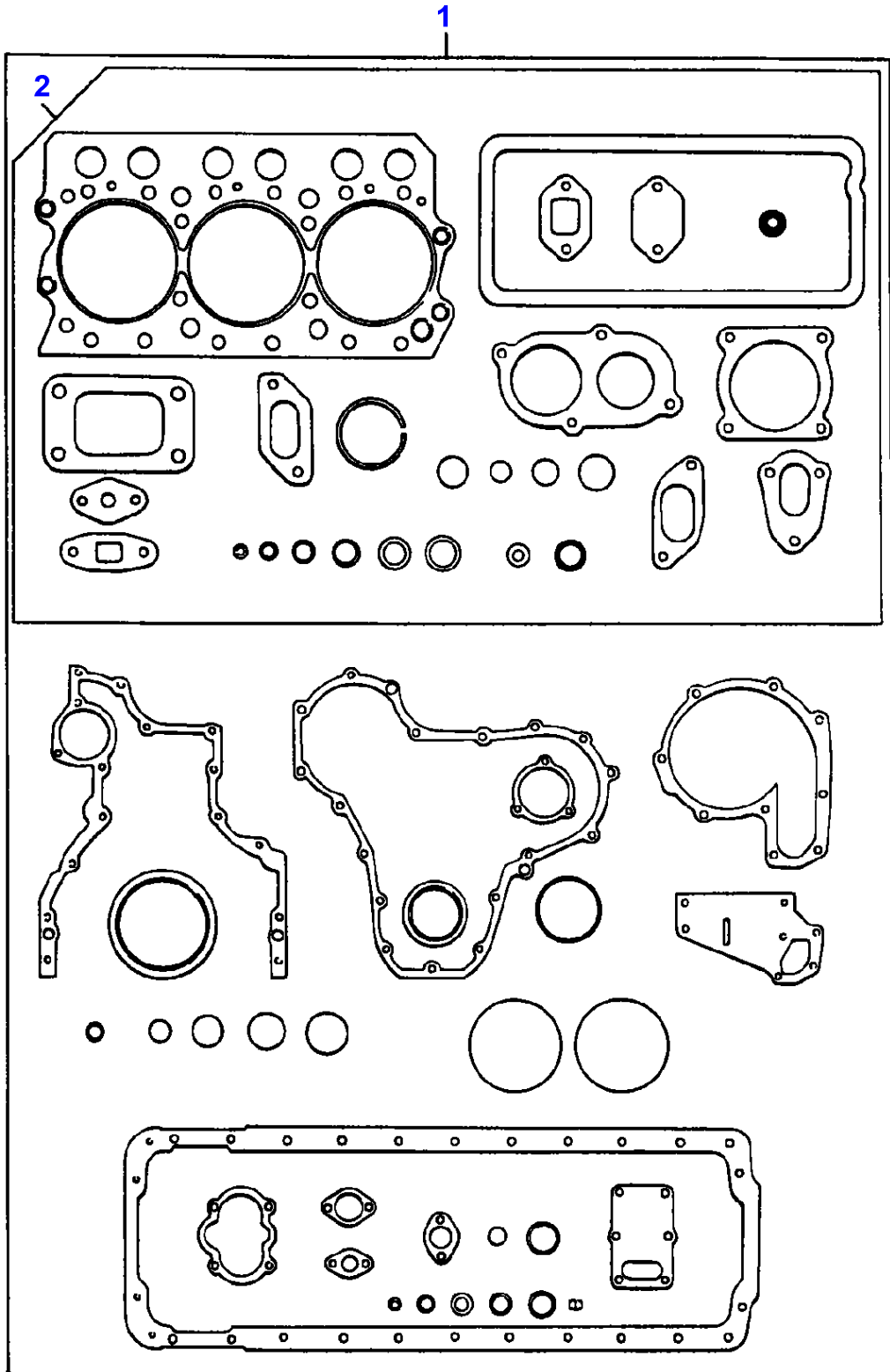
1-HB27-003-A



MASSEY FERGUSON**MF 30/31XP/32/34/36/38/40 COMBINE ENGINES, VALMET - 1637219****1637219****STOP SWITCH - ENGINE 612DSJL/290HP****223**

Item	Part Number	Qty	Description	Comments
				ENGINE 612DSJL/290HP
1	V835331899	1	Solenoid	
2	V836347341	1	Bracket	
3	V528801082	4	Screw	
4	V504600602	5	Nut	
5	V835331901	1	Joint	
6	V836352810	1	Rod	
7	V836330046	1	Joint	
8	V836352811	1	Mounting	
9	V528800782	1	Screw	
10	V504600502	1	Nut	
11	V528801400	1	Screw	
12	V836329294	1	Bracket	
13	V836352735	1	Spring	
14	V836328421	2	Sleeve	
15	V529801990	2	Screw	
16	V529801102	1	Screw	
17	V510600602	2	Nut	

1-HB28-005-A



MASSEY FERGUSON**MF 30/31XP/32/34/36/38/40 COMBINE ENGINES, VALMET - 1637219****1637219****JOINTS AND GASKETS - ENGINE 612DSJL/290HP****224**

Item	Part Number	Qty	Description	Comments
				ENGINE 612DSJL/290HP
1	V836339297	1	Kit, Gasket	
2	3637657M91	1	Kit, Gasket	[A]
				[A]
				JOINTS AND GASKETS-TOP SERVICE KIT