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Français



Español



ASSOCIATED PUBLICATIONS

WORKSHOP MANUAL
OPERATORS HANDBOOK

MANUAL No. 027-08205
BOOK No. 027-08024



IMPORTANT

When purchasing parts or giving instructions for repairs, customers should in their own interest, always specify:

Genuine Lister-Petter Parts

Parts that have not been supplied by the Lister-Petter organisation cannot be relied upon for correct material, dimensions or finish
LISTER-PETTER LTD. cannot therefore be responsible for any damage arising from the use of such parts and the guarantee will be invalidated.

In your own interest, therefore, specify

GENUINE LISTER-PETTER PARTS

IMPORTANT

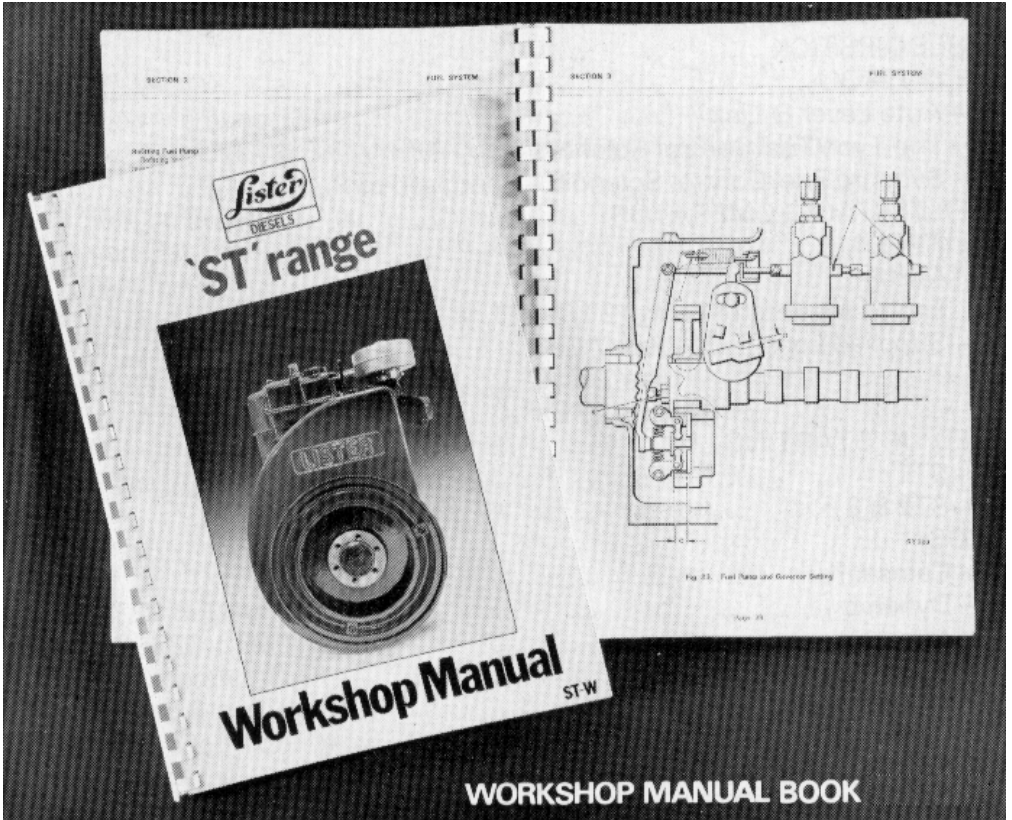
REPLACEMENT PARTS - DIRECTIONS FOR ORDERING

1. This Parts list contains illustrations and a list of replacement parts for the engine, together with the more usual accessories and optional extras. The list is completed for engines in current production and, when compiled, contains no obsolescent or obsolete parts. No amendments will be forwarded for this Parts List.
2. A specimen Order Form for replacement parts can be found on Page 75 and when ordering always quote 'ENGINE No., PART No., and 'DESCRIPTION OF PART'. When ordering complete Optional Extras or Accessories always quote **ENGINE DESIGNATION ST1, 2 or 3** and order by **CODE LETTERS. NEVER** order by illustration number.
3. The Engine No. can be found on the plate on the Fuel Pump Housing Door and stamped on the Flywheel Rim. The standard rotation of the engine is clockwise (CW) when looking at the flywheel end, but anti-clockwise (ACW) rotation are available. CW & ACW annotations relate to Engine rotation in all cases.
4. Main bearings and big end bearings can be supplied undersize, and pistons and piston rings can be supplied oversize. Piston rings are only supplied in complete sets and pistons are supplied complete with piston rings and gudgeon pin.
5. Undersize and oversize measurements are 0.010", 0.020", 0.030" and 0.040" and examples of ordering undersize and oversize parts are given below: -

(a) Main Bearing.....	570-12970/020
(b) Piston Ring Set.....	570-12910/020
6. All parts included in an assembly are indented. When an individual item cannot be purchased by itself no part number is quoted.
7. The differences between Build 01 and other Builds are listed under 'Variations from Build 01' on Page 7.

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The Workshop Manual



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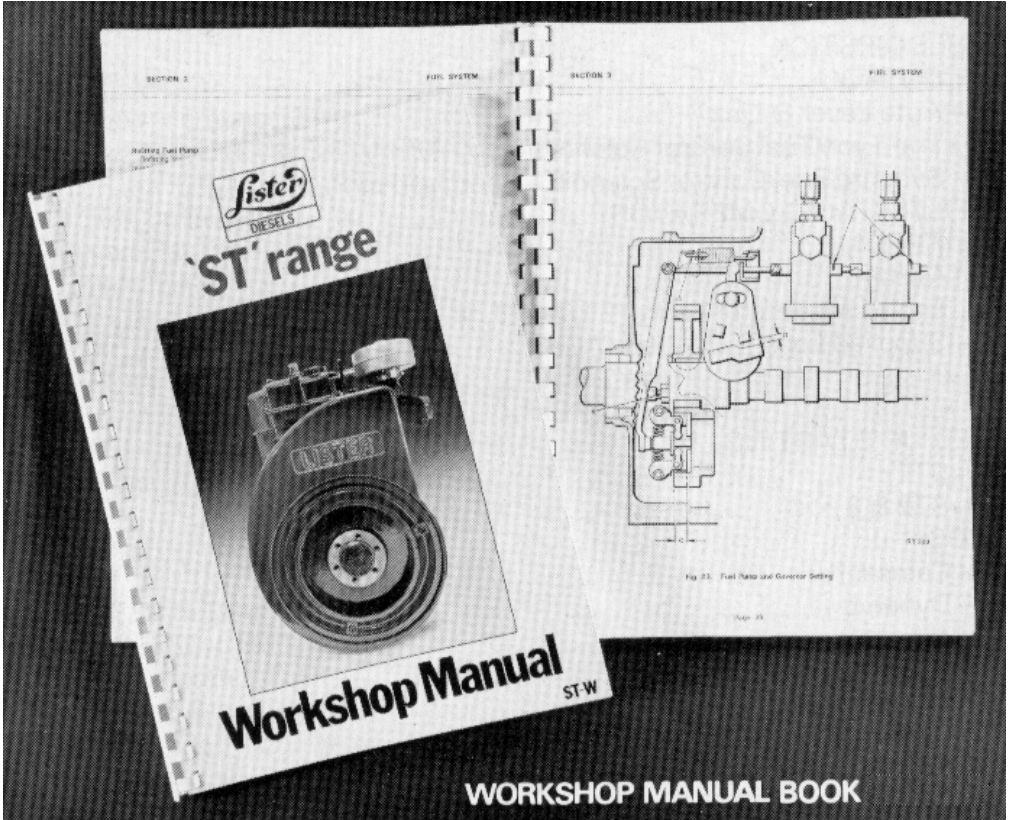
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In your own interest, therefore, specify

GENUINE LISTER-PETTER PARTS



IMPORTANTE

Al comprar repuestos o al mandar hacer reparaciones, en defensa de sus propios intereses especifique siempre:

REPUESTOS LISTER-PETTER LEGITIMOS

Los repuestos de procedencia distinta de la Casa Lister-Petter no merecen confianza en cuanto a material, dimensiones y acabado se refiere. Por lo tanto LISTER-PETTER LTD. no se hará cargo de los daños y perjuicios que cause el empleo de tales repuestos y su garantía quedará anulada.

Repetimos: defienda sus propios intereses y pida siempre

REPUESTOS LISTER-PETTER LEGITIMOS

**POR FAVOR CITE SIEMPRE EL
NUMERO DE REGISTRO DEL MOTOR**

IMPORTANTE

REPUESTOS - COMO PEDIRLOS

1. Esta Lista de Repuestos contiene ilustraciones y una lista de recambios para el motor, juntas con los accesorios más usuales y extras opcionales. Es una lista completa para motores actualmente en producción; no contiene partes en camino al desuso ni piezas anticuadas. No emitiremos modificación alguna a esta lista.

2. En la página 75 hallará Vd. una Nota de Pedido ejemplar. Al necesitar repuestos cite siempre el **NUMERO DE REGISTRO DEL MOTOR**, el **NUMERO DEL REPUESTO** y su **DESCRIPCION**. Al pedir Extras Opcionales completas o Accesorios, cite siempre la **DESIGNACION DEL MOTOR, ST1, ST2 o ST3** y pídalos por sus **LETRAS DE CODIGO**. **JAMAS** los pida por el número de la ilustración.

3. El Número de Registro del motor está en la plaquita fijada a la puerta de la Caja de la(s) Bomba(s) de Combustible y también estampada en la llanta del Volante. El giro normal de los motores es destrorso (CW), al mirar de frente al extremo del motor en que está el volante, pero son obtenibles también de giro sinistrorso (ACW). Las anotaciones CW y ACW hacen referencia al giro del motor exclusivamente.

4. Los cojinetes principales y de cabeza de biela pueden suministrarse de subtamaño y los pistones y sus anillos de sobretamaño. Los anillos de pistón se suministran únicamente por juegos completos; los pistones, completos con sus anillos y su muñequilla.

5. Los subtamaños y sobretamaños son de 0,010", 0,020", 0,030" y 0,040", menores y mayores, respectivamente, comparados con los tamaños normales. A continuación, damos ejemplos de la manera de especificarlos mediante un sufijo:

- (a) Cojinete Principal..... 570-12970/020
- (b) Juego de Anillos de Pistón..... 570-12910/020

6. Todas las piezas constituyentes de un conjunto están impresas en líneas sangradas. Pieza que no pueda pedirse individualmente carece de número de referencia.

7. Las diferencias entre el Modelo 01 y los demás Modelos están detalladas bajo el título de "Variaciones del Modelo 01" en la página 18.

PUBLICACION AFIN

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Obtenible de
su distribuidor Lister-Petter

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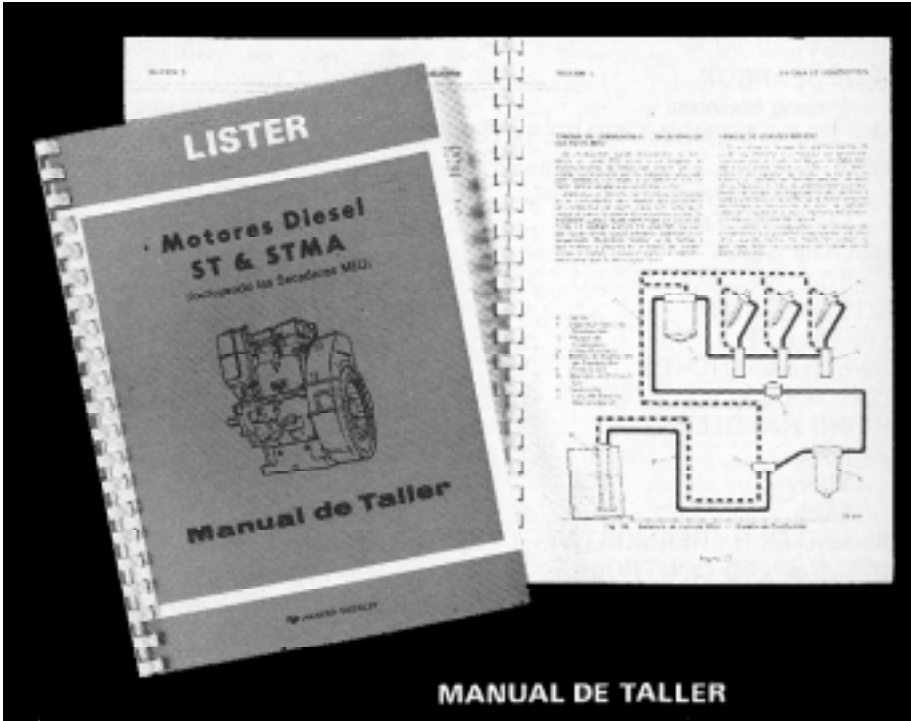
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PUBLICACION AFIN

El Manual de Taller



Obtenible de
su distribuidor Lister-Petter



IMPORTANTE

Al comprar repuestos o al mandar hacer reparaciones, en defensa de sus propios intereses especifique siempre:

REPUESTOS LISTER-PETTER LEGITIMOS

Los repuestos de procedencia distinta de la Casa Lister-Petter no merecen confianza en cuanto a material, dimensiones y acabado se refiere. Por lo tanto LISTER-PETTER LTD. no se hará cargo de los daños y perjuicios que cause el empleo de tales repuestos y su garantía quedará anulada.

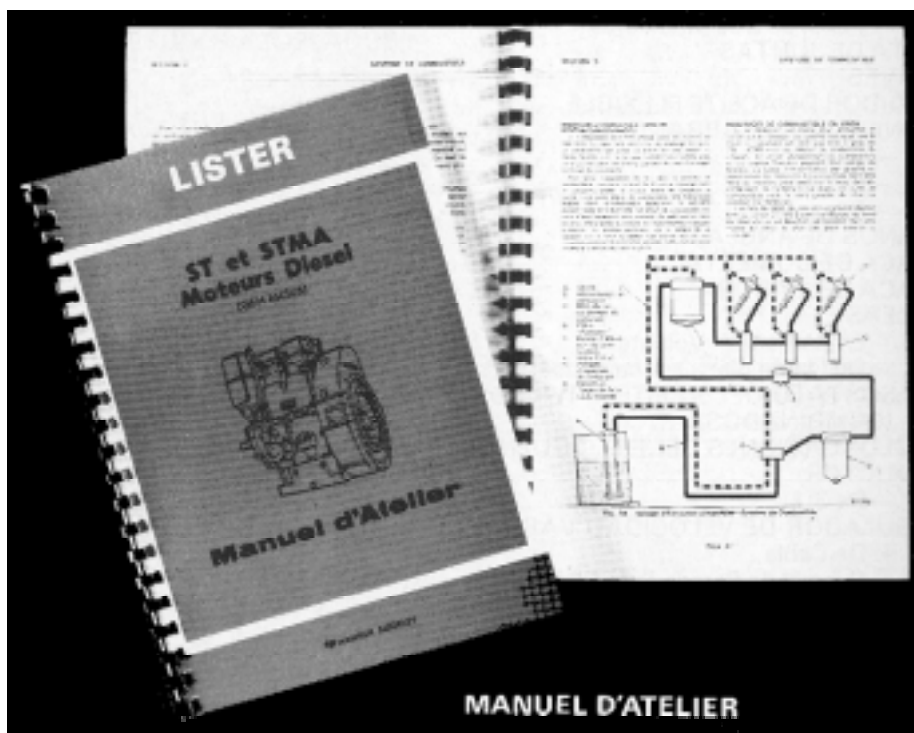
Repetimos: defienda sus propios intereses y pida siempre

REPUESTOS LISTER-PETTER LEGITIMOS

**POR FAVOR CITE SIEMPRE EL
NUMERO DE REGISTRO DEL MOTOR**

PUBLICATIONS ASSOCIEES

Manuel d'atelier



Disponibles chez
votre distributeur Lister-Petter



IMPORTANT

En achetant des pièces ou en donnant des instructions de réparation, les clients doivent toujours spécifier, dans leur propre intérêt:

PIECES LISTER-PETTER D'ORIGINE

Il n'est pas possible de se fier à des pièces qui n'ont pas été fournies par l'organisation Lister-Petter, en ce qui concerne le Matériau, les dimensions ou la finition.

LISTER-PETTER LTD. ne peut donc pas accepter la responsabilité en cas d'avaries survenant du fait de l'utilisation de telles pièces, et la garantie sera invalidée.

Par conséquent, dans votre propre intérêt spécifiez:

PIECES DETACHEES DE LISTER-PETTER D'ORIGINE

**IF FAUT TOUJOURS RAPPELER LE
NUMERO DU MOTEUR**

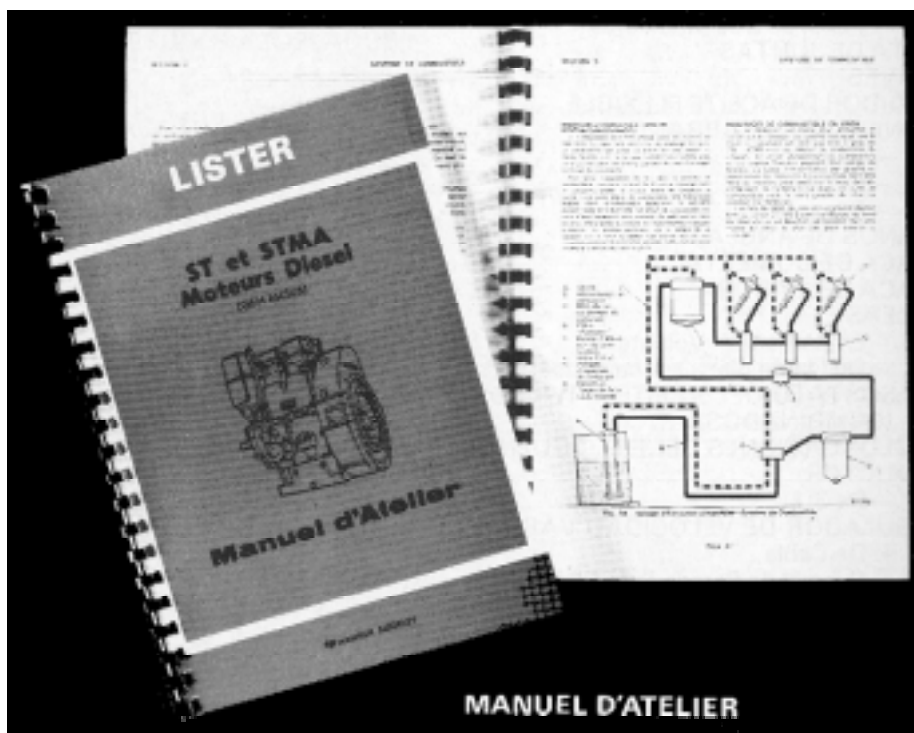
AVIS IMPORTANT

PIECES DE RECHANGE - CONSIGNES POUR COMMANDER

1. Cette nomenclature contient des illustrations et une 1 liste des pièces de rechange pour le moteur, ainsi que les accessoires les plus usuels et les éléments supplémentaires à option, La liste est dressée pour les moteurs en fabrication courante et, au moment de sa rédaction, ne comprend aucune pièce tombée en désuétude ou hors d'usage. Aucune mise à jour ne sera diffusée pour cette liste de pièces.
2. Un exemple de la formule de commande pour les pièces de rechange se trouve à la page 75. En dressant la commande, toujours citer les: No. DU MOTEUR, No. DE LA PIECE ainsi que LA DESIGNATION DE LA PIECE. Pour commander les éléments supplémentaires à option ou les accessoires complete toujours citer LA DESIGNATION DU MOTEUR ST1, 2 ou 3 et commander par LETTRES DE CODE. NE JAMAIS commander en se référant au numéro di l'illustration.
3. Le numéro de série du moteur est inscrit sur la plaque signalétique fixée sur la porte d'accès au boîter de la(des) pompe(s) à injection de carburant. Egalement, ce numéro est estampé sur la périphérie du volant. Normalement, le moteur tourne dans le sens des aiguilles d'une montre, vu du côté volant, mais une rotation en sens inverse des aiguilles d'une montre est disponible sur demande. Dans tous les cas, les annotations CW (sens des aiguilles d'une montre) et ACW (sens inverse des aiguilles d'une montre) se rapportent à la direction de rotation du moteur.
4. Les paliers principaux ainsi que les paliers des têtes de bielles peuvent être fournis sous-dimensionnés, tandis que les pistons et les segments de pistons peuvent être fournis surdimensionnés. Les segments de pistons ne peuvent être fournis qu'en jeux complets. Les pistons sont fournis au complete avec leurs segments et leurs axes de pieds de bielles.
5. Les sous-dimensions et surdimensions sont de 0,010" (0,245 mm.), 0,020" (0,508 mm.), 0,030" (0,762 mm.), 0,040" (1,016 mm.). Des exemples de commandes de pièces sous-dimensionnées et surdimensionnées sont cités cidessous:
 - (a) Palier principal.....570-12970/020
 - (b) Jeu de segments de piston.....570-12910/020
6. Toutes les pièces faisant partie d'unensemble sont indiquées par des lignes en retrait. Lorsqu'un élément particulier ne peut être acheté par lui-même, aucun numéro de pièce n'est cité.
7. Les différences entre le type de construction 01 et les autres types de constructions sont indequées sous l'en-tête. 'Variantes du Type de Construction 01', à la page 30.

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Manuel d'atelier



Disponibles chez
votre distributeur Lister-Petter

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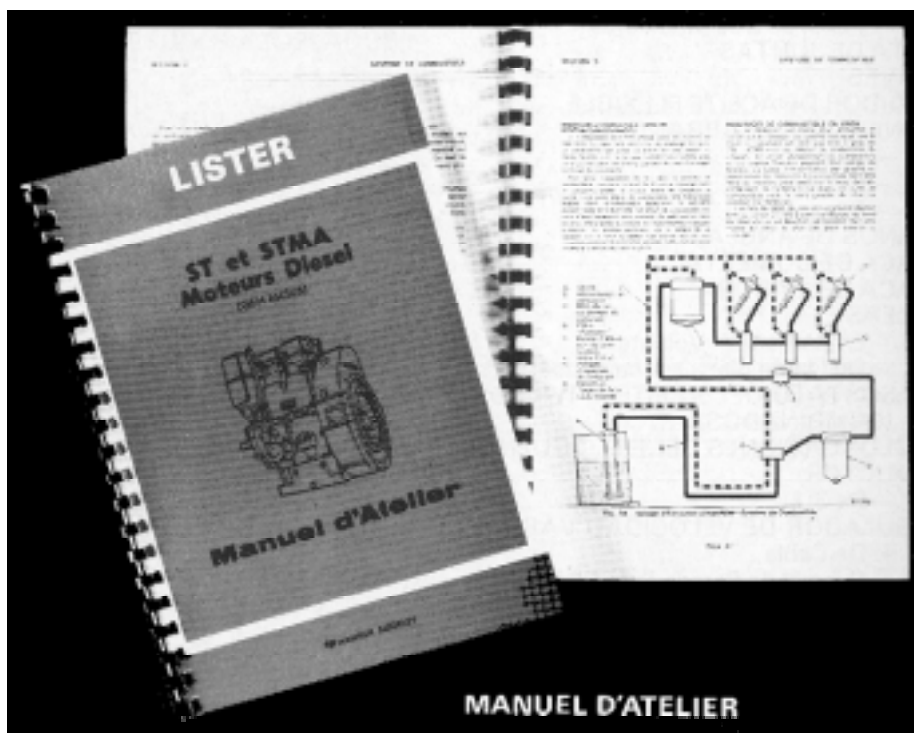
REPERTOIRE

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PUBLICATIONS ASSOCIEES

Manuel d'atelier



Disponibles chez
votre distributeur Lister-Petter



IMPORTANT

En achetant des pièces ou en donnant des instructions de réparation, les clients doivent toujours spécifier, dans leur propre intérêt:

PIECES LISTER-PETTER D'ORIGINE

Il n'est pas possible de se fier à des pièces qui n'ont pas été fournies par l'organisation Lister-Petter, en ce qui concerne le Matériau, les dimensions ou la finition.

LISTER-PETTER LTD. ne peut donc pas accepter la responsabilité en cas d'avaries survenant du fait de l'utilisation de telles pièces, et la garantie sera invalidée.

Par conséquent, dans votre propre intérêt spécifiez:

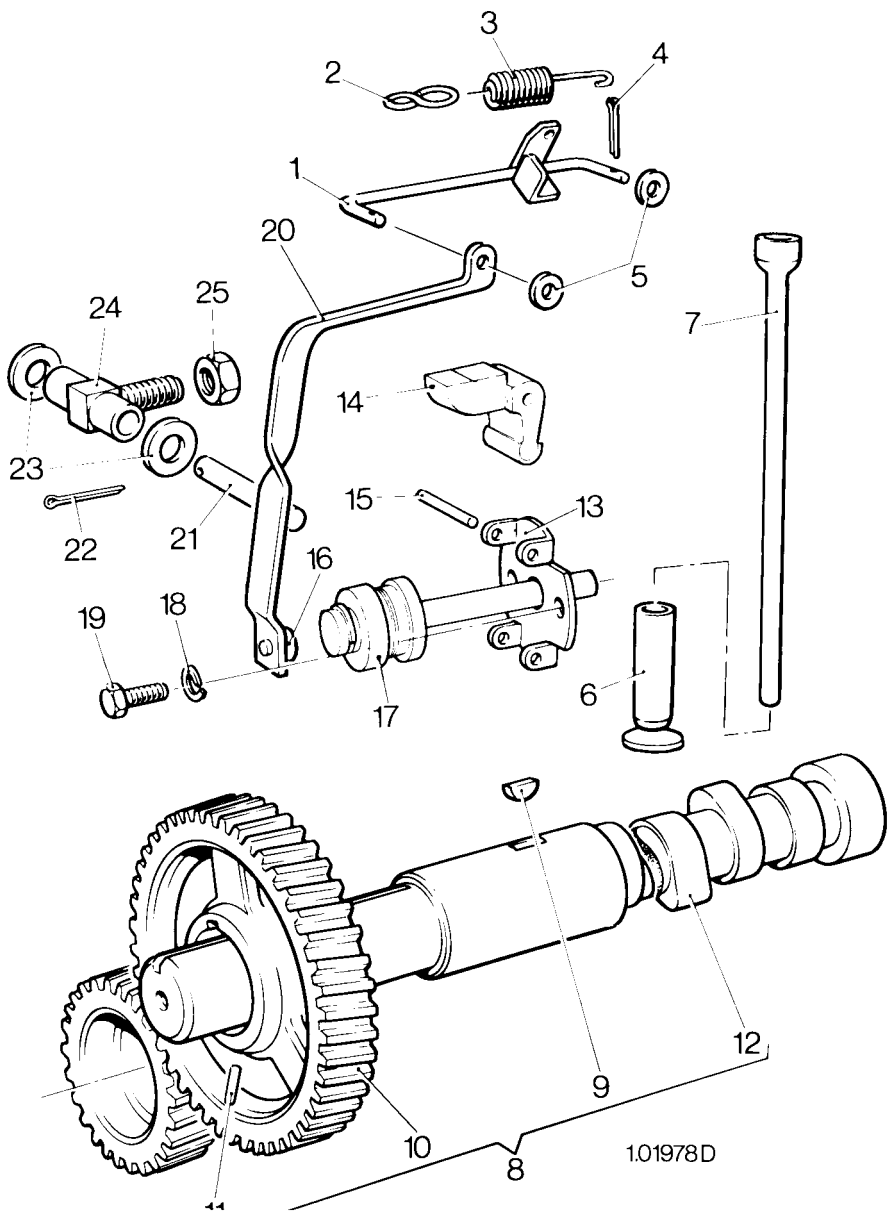
PIECES DETACHEES DE LISTER-PETTER D'ORIGINE

**IF FAUT TOUJOURS RAPPELER LE
NUMERO DU MOTEUR**

ST1, 2 & 3 BUILDS 01

Illus No.	Description	Part No.	ST		
			1	2	3
CAMSHAFT & GOVERNOR					
1	GOVERNOR LINK ASSEMBLY	201-10894	1	1	1
2	WIRE LINK	366-04964	1	1	1
3	SPEEDER SPRING - See Table on Page 74				
4	SPLIT PIN	027-01986	2	2	2
5	PLAIN WASHER	064-02580/004	2	2	2
6	VALVE TAPPET	351-10210	2	4	6
7	PUSH ROD	204-54270	2	4	6
-	CAMSHAFT ASSEMBLY - ST1	201-80710	1	-	-
8	CAMSHAFT ASSEMBLY - ST2	202-51062	-	1	-
-	CAMSHAFT ASSEMBLY - ST3	203-51062	-	-	1
	Comprising:				
9	KEY-Gearwheel				
10	GEARWHEEL				
11	LOCATING PIN				
12	CAMSHAFT				
13	CARRIER - Governor Weight	201-10711	1	1	1
14	GOVERNOR WEIGHT				
-	SPRING - Governor Weight } see table on page 74				
15	PIN - Governor Weight	201-10720	2	2	2
16	THRUST CAP				
17	GOVERNOR SLEEVE	570-10190	1	1	1
18	SPRING WASHER	027-00451	2	2	2
19	SETSCREW - 1/4"UNF x 5/8"	270-00023	2	2	2
20	GOVERNOR LEVER - ST1 & 2	201-10842	1	1	-
-	GOVERNOR LEVER - ST3	203-10841	-	-	1
21	FULCRUM PIN - Part of Governor Lever				
22	SPLIT PIN	027-02255	1	1	1
23	PLAIN WASHER - ST1 & 2	027-05326	2	2	-
-	PLAIN WASHER - ST3	351-10990	-	-	1
-	BALL BEARING - Fulcrum	351-11480	-	-	2
24	FULCRUM - Governor Lever - ST1 & 2	201-10830	1	1	-
-	FULCRUM - Governor Lever - ST3	203-10830	-	-	1
25	NUT- Fulcrum 3/8" UNF	270-00004	1	1	1

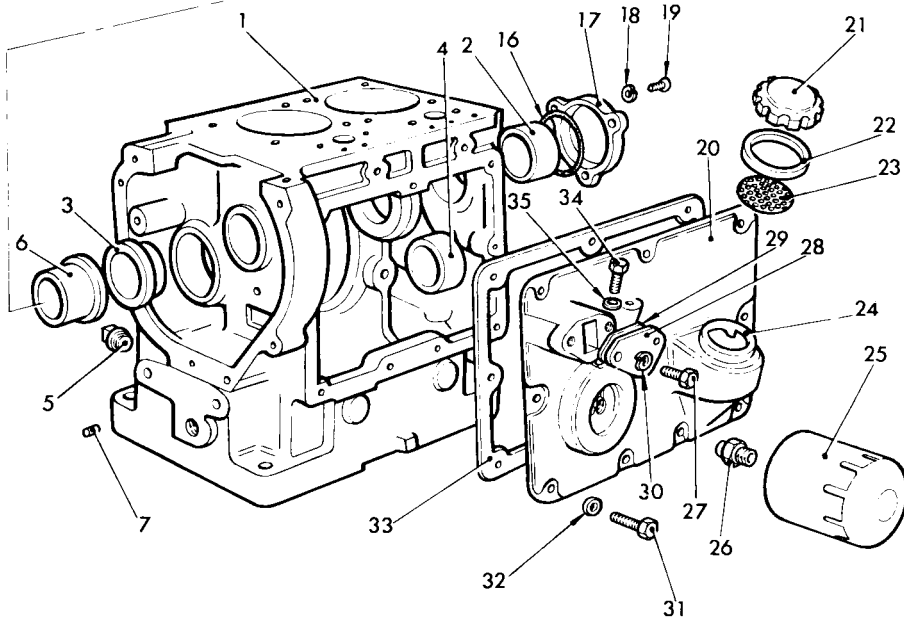
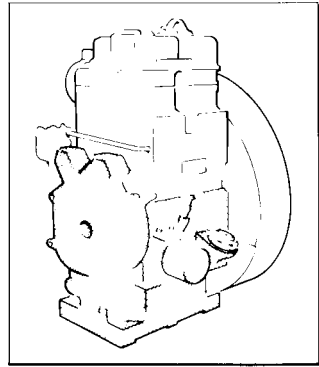
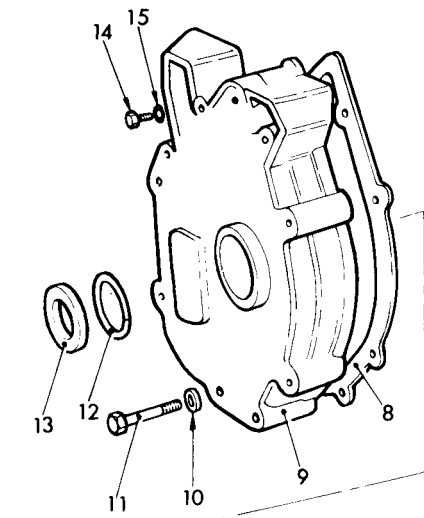
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ST1, 2 & 3 BUILD 01

Illus No.	Description	Part No.	ST		
			1	2	3
CRANKCASE					
-	CRANKCASE ASSEMBLY				
	comprising - ST1	570-13012	1	-	-
	- ST2	570-13022	-	1	-
	- ST3	570-13032	-	-	1
1	CRANKCASE		1	1	1
-	TAPER PLUG (ST1 only)	027-00142	1	-	-
-	DOWEL - Oil Gallery Gear End - ST1	201-13570	1	-	-
-	DOWEL - Oil Gallery Gear End - ST2 & 3	203-13570	-	1	1
-	EXPANSION PLUG (ST3 only)	204-53540	-	-	1
-	SUPPORT-Oil Pipe (See Lubrication System)	203-11340	-	1	1
		201-11340	1	-	-
-	MAIN BEARING ASSEMBLY (See Crankshaft)	570-12970	1	1	1
-	CAMSHAFT BUSH				
2	- Flywheel End	201-80270	1	1	1
3	- Gear End	201-10181	1	1	1
4	- Centre (ST2 & 3 only)	202-12030	-	1	2
5	DRAIN PLUG	027-00469	1	1	1
CRANKCASE END COVER					
6	BUSH	201-10171	1	1	1
7	DOWEL	027-01430	2	2	2
8	JOINT	201-11211	1	1	1
9	END COVER	201-11202	1	1	1
10	WASHER	616-01608	7	7	7
11	BOLT - 5/16"UNF x 2 1/4"	270-00066	7	7	7
12	OIL THROWER RING	201-13200	1	1	1
13	OIL SEAL	201-13190	1	1	1
14	BOLT-10UNF x 1/2"	270-00103	1	1	1
15	COPPER WASHER	616-01601	1	1	1
CAMSHAFT END COVER					
16	'O' RING	201-80200	1	1	1
17	END COVER	201-80190	1	1	1
18	WASHER	027-03988	3	3	3
19	SCREW-Countersunk 1/4"UNF	270-00208	3	3	3

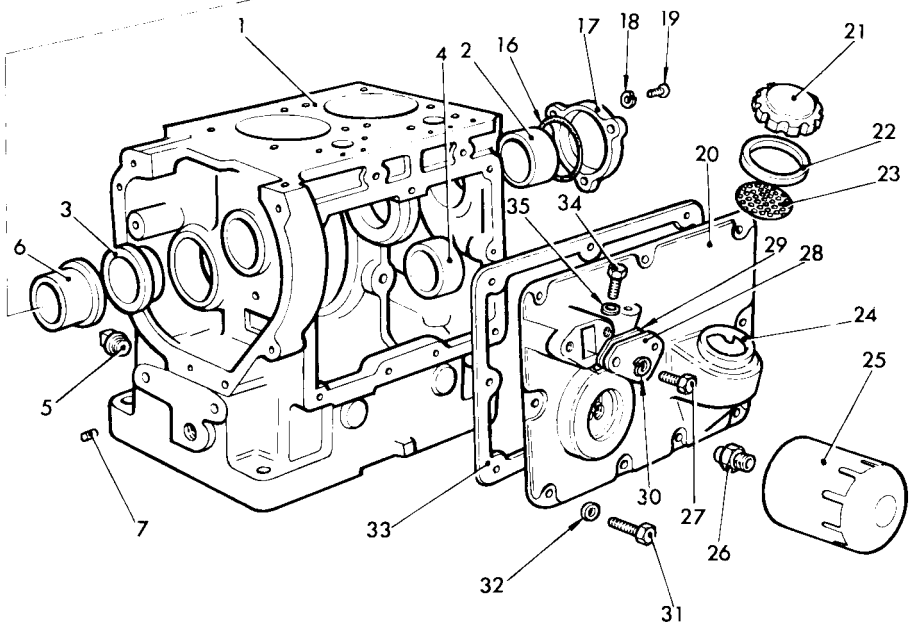
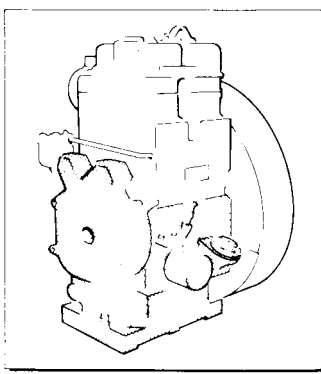
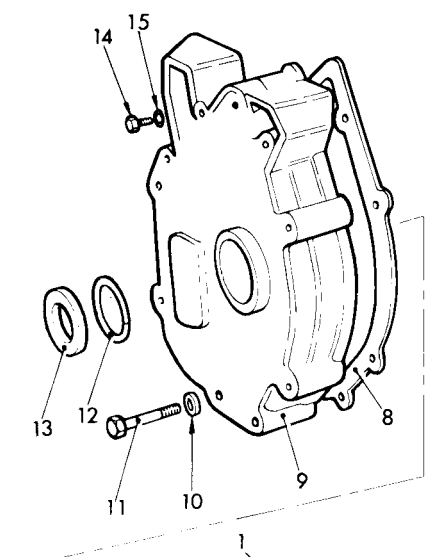


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CRANKCASE & END COVER ©

ST1, 2 & 3 BUILD 01

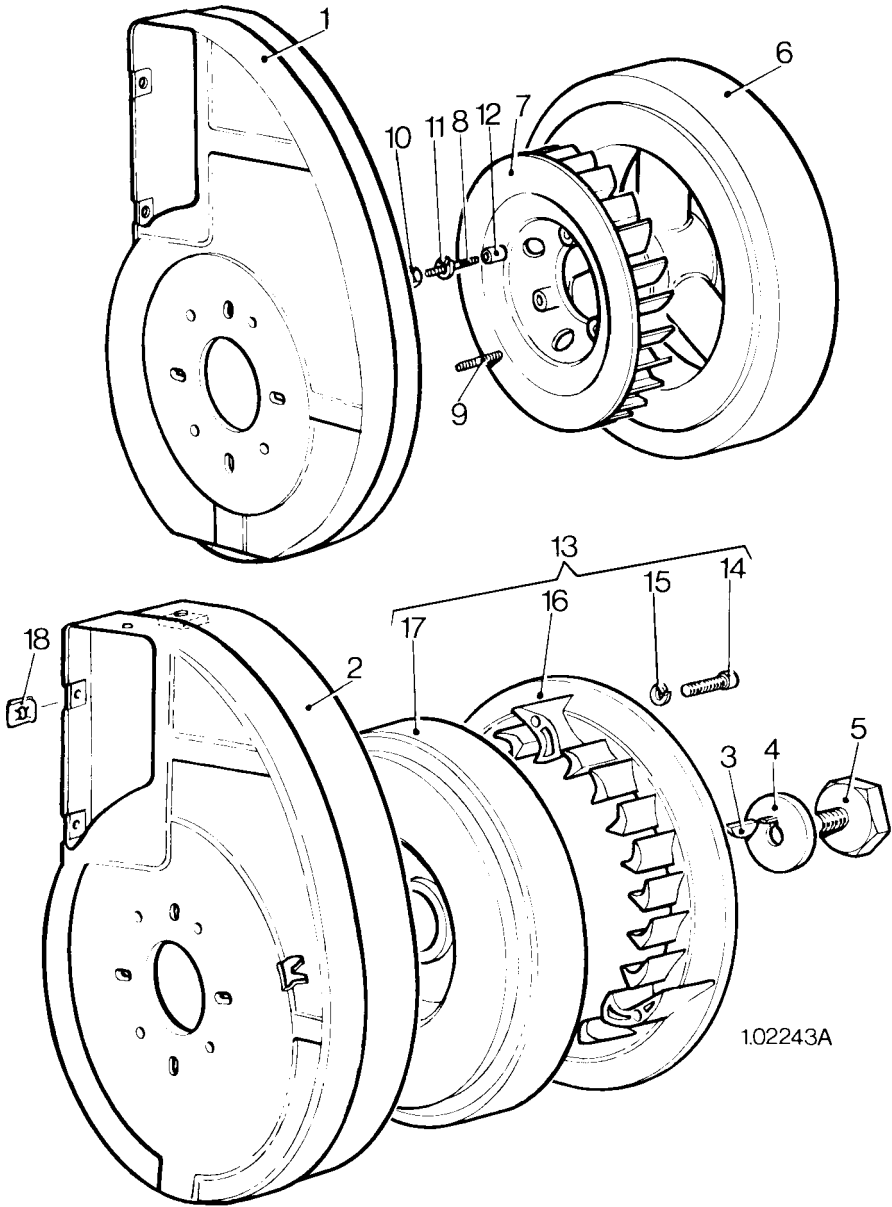
Illus No.	Description	Part No.	ST		
			1	2	3
CRANKCASE DOOR & OIL FILTER					
CRANKCASE DOOR					
-	- With Cartridge Filter	201-55340	1	-	-
20	- With Cartridge Filter	202-55340	-	1	-
-	- With Cartridge Filter	203-55340	-	-	1
21	OIL FILLER CAP Includes	027-03824	-	1	1
22	JOINT	303-00253	-	1	1
23	STRAINER - Oil Filler	291-23751	-	1	1
24	OIL FILLER NECK	027-06317	-	1	1
25	LUBRICATING OIL FILTER	201-55370	1	1	1
26	UNION - Door to Filter	201-55360	1	1	1
27	BOLT - 5/16" UNC x 5/8"	270-00404	2	2	-
28	BLANKING PLATE - Fuel Lift Pump	352-16640	1	1	-
29	JOINT	351-12210	1	1	-
30	SPRING WASHER	027-00413	2	2	-
31	SETSCREW - 1/4" UNF x 3/4"	270-00055	4	9	11
32	COPPER WASHER	616-01414	4	9	11
33	JOINT - Crankcase Door - ST1	201-55350	1	-	-
-	JOINT - Crankcase Door - ST2	202-12700	-	1	-
-	JOINT - Crankcase Door - ST3	203-12700	-	-	1
34	SETSCREW - 1/4" UNF x 1/2" } When oil gauge	270-00054	1	1	1
35	COPPER WASHER } not fitted	291-26090	1	1	1
-	DIPSTICK - See Lubricating Oil System				
-	DIPSTICK - See Lubricating Oil System - ST1	570-10211	1	-	-
-	DIPSTICK - See Lubricating Oil System - ST2 & 3	570-10390	-	1	-



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ST1, 2 & 3 BUILD 01

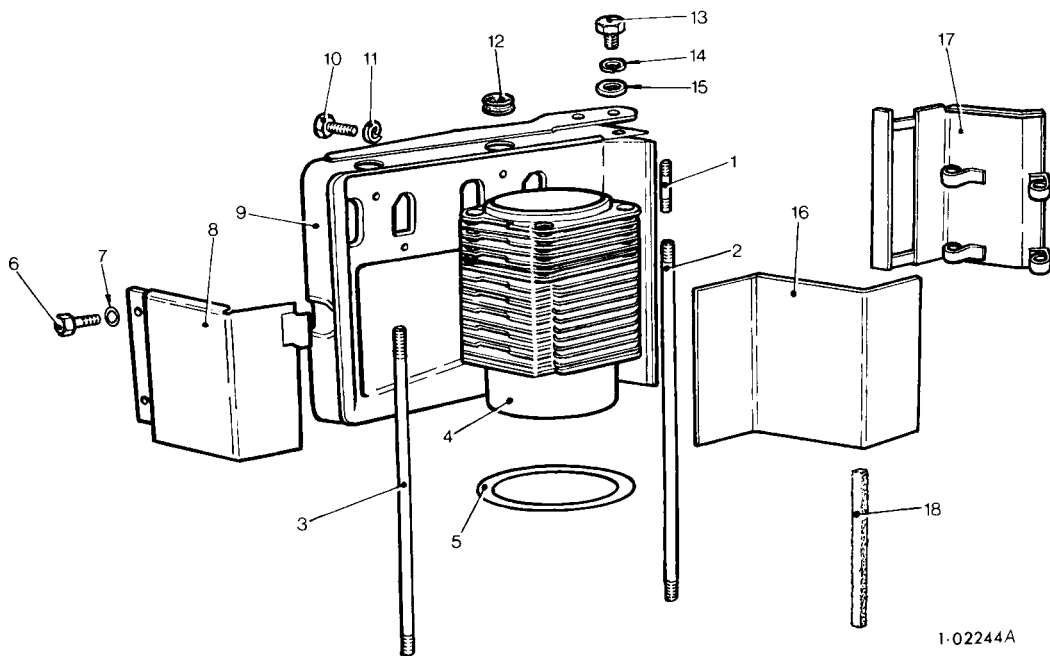
Illus No.	Description	Part No.	ST		
			1	2	3
FANSHROUD & FLYWHEEL					
1	FANSHROUD - Sheet Metal - ST1	201-80480	1	-	-
2	FANSHROUD - Sheet Metal - ST2/3	202-80480	-	1	1
3	KEY - Flywheel	201-80550	1	1	1
4	LOCKWASHER	201-80460	1	1	1
5	RETAINING SCREW - Flywheel	201-80470	1	1	1
6	FLYWHEEL	201-80880	1	-	-
7	FAN - Flywheel	201-80500	1	-	-
8	STUD - Fan - 1/4" UNF x 2"	270-00687	1	-	-
9	STUD - Fan - 1/4" x 11/2"	270-00264	2	-	-
10	NUT - 1/4" UNF	270-00002	3	-	-
11	SPRING WASHER	027-00451	3	-	-
12	DOWEL - Fan	201-10760	1	-	-
13	FLYWHEEL ASSEMBLY Comprising	570-12480	-	1	-
14	SCREW - Socket 5/16" UNF x 2"	270-00617	-	3	-
15	SPRING WASHER	027-00413	-	3	-
16	FAN	202-70070	-	1	-
17	FLYWHEEL	202-80890	-	1	-
-	FLYWHEEL ASSEMBLY Comprising	570-13140	-	-	1
-	BOLT - 5/16" UNF x 21/2"	270-00067	-	-	6
-	SPRING WASHER	027-00413	-	-	6
-	FAN	202-10544	-	-	1
-	FLYWHEEL	202-80890	-	-	1
18	SPIRE SPEED NUT	201-11590	3	3	3



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ST1, 2 & 3 BUILD 01

Illus No.	Description	Part No.	ST		
			1	2	3
CYLINDER BARREL					
1	STUD - Cylinder Head Cover - 1/4" UNF x 11/4"	270-00120	-	2	2
-	- Cylinder Head Cover & Lifting Eye 1/4" UNF x 13/4"	270-00155	2	2	4
2	- Cylinder Head (Long)	201-11042	2	4	6
3	- Cylinder Head (Short)	201-11052	2	4	6
4	CYLINDER BARREL	201-80061	1	2	3
5	JOINT - Cylinder Barrel	201-80170	1	2	3
SIDE SHIELDS & COWLING					
6	SETSCREW - 1/4" UNF x 1/2"	270-00054	2	2	2
7	SPRING WASHER	027-04058	2	2	2
8	SIDE SHIELD ASSEMBLY - Gear End	201-80730	1	1	1
-	COWLING ASSEMBLY - ST1	201-80530	1	-	-
9	COWLING ASSEMBLY - ST2	570-12260	-	1	-
-	COWLING ASSEMBLY - ST3	570-12271	-	-	1
10	SETSCREW	027-04660	3	3	3
11	SPRING WASHER	027-01698	3	3	3
12	GROMMET- For oil reservoir & plunger	201-12951	1	2	3
13	SETSCREW - Cowling Strap 3/8" UNF x 5/8"	270-00161	-	1	1
14	SPRING WASHER	027-00393	-	1	1
15	PLAIN WASHER	027-00184	-	1	1
16	AIR BAFFLE	203-50840	-	1	2
-	SIDE SHIELD ASSEMBLY				
-	Flywheel End - ST1	201-80760	1	-	-
17	Flywheel End - ST2/3	203-80760	-	1	1
18	FELT - Jointing	201-52790	1	1	1



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Ⓐ RE-ANNOTATE 7-7-83

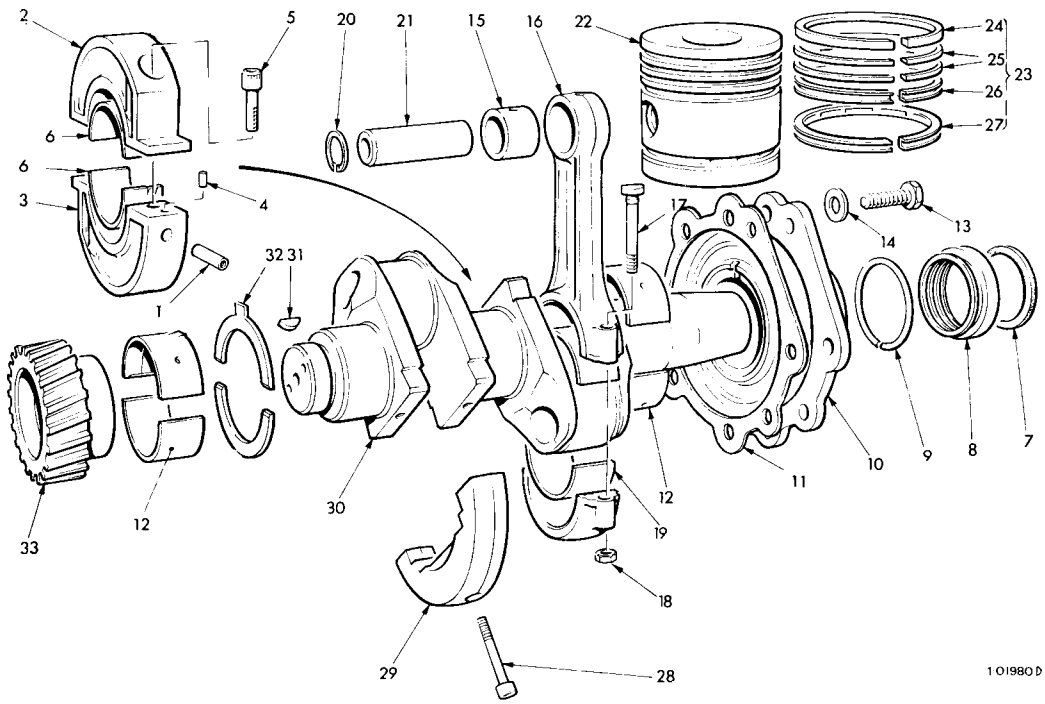
CYLINDER BARREL, SIDE SHIELDS & COWLING ©

ST1, 2 & 3 BUILD 01

Illus No.	Description	Part No.	ST		
			1	2	3
BEARINGS & HOUSINGS					
1	DOWEL - Centre Bearing	202-11981	-	1	2
-	CENTRE BEARING HOUSING ASSEMBLY comprising:-	202-80590	-	1	2
2	TOP HALF				
3	BOTTOM HALF				
4	DOWEL	010-02110	-	2	4
5	SETSCREW - Socket 5/16" UNF x 2 1/4"	270-00152	-	2	4
6	CENTRE BEARING complete	570-12990	-	1	2
7	FELT - Oil Retaining Ring	201-80281	1	1	1
8	RING - Oil Retaining	201-80140	1	1	1
9	OIL THROWER	201-80290	1	1	1
10	MAIN BEARING HOUSING	201-80071	1	1	1
11	SHIM - Bearing Housing -.005"	201-80113			As Reqd
-	SHIM - Bearing Housing -.010"	201-80114			As Reqd
-	SHIM - Bearing Housing -.003"	201-80115			As Reqd
12	MAIN BEARING complete - one in crankcase assembly	570-12970	2	2	2
13	BOLT - Housing to Crankcase 5/16" UNF x 7/8"	270-00024	8	8	8
14	WASHER	027-03929	8	8	8

Note: Undersize and oversize measurements are 0.010", 0.020", 0.030" and 0.040" and examples of ordering undersize and oversize parts are given below :-

- (a) Main Bearing..... 570-12970/020
- (b) Piston Ring Set..... 570-12910/020



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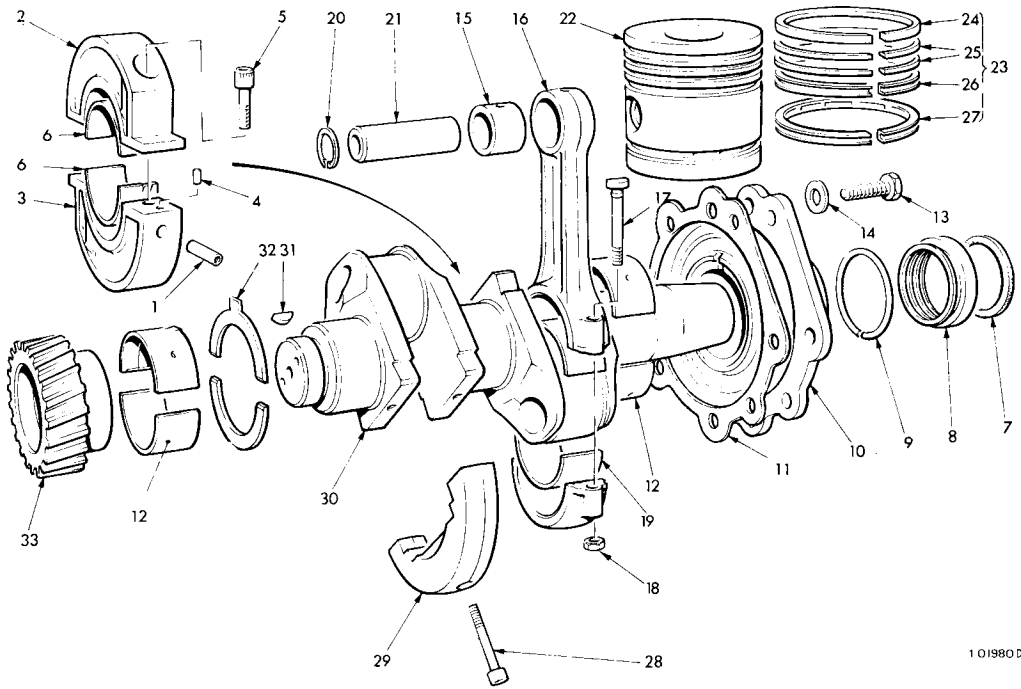
CRANKSHAFT, CONNECTING ROD & PISTONS ©

ST1, 2 & 3 BUILD 01

Illus No.	Description	Part No.	ST		
			1	2	3
CONNECTING ROD & PISTON					
-	CONNECTING ROD ASSEMBLY - Comprising	570-13001	1	2	3
15	BUSH - Small End	201-80310	1	2	3
16	CONNECTING ROD		1	2	3
17	BOLT - Connecting Rod	201-80300	2	4	6
18	NUT - Connecting Rod.....	270-00004	2	4	6
19	CONNECTING ROD BEARING Complete	570-12980	1	2	3
-	PISTON ASSEMBLY Comprising	570-12840	1	2	3
20	CIRCLIP	201-80420	2	4	6
21	GUIDGEON PIN		1	2	3
22	PISTON		1	2	3
23	PISTON RING SET Comprising	570-12910	1	2	3
24	PISTON RING-Top 1 /8" Taper		1	2	3
25	PISTON RING - 3/32" Wide		2	4	6
26	PISTON RING - Top Scraper Conformable		1	2	3
27	PISTON RING - Scraper.....		1	2	3
28	SETSCREW - Balance Weight - Socket -3/8" UNF x 1 1/8"	270-00185	2	4	4
29	BALANCE WEIGHT - ST2 & 3.....	201-80400	-	4	4
-	BALANCE WEIGHT - ST1	201-80401	2	-	-
CRANKSHAFT					
-	CRANKSHAFT ASSEMBLY - ST1	570-13190	1	-	-
30	CRANKSHAFT ASSEMBLY - ST2	570-12290	-	1	-
-	CRANKSHAFT ASSEMBLY - ST3	570-12300	-	-	1
31	KEY - Crankshaft Pinion	027-00352	1	1	1
32	THRUST WASHER Complete	570-12960	2	2	2
-	CRANKSHAFT PINION - ST1	201-11141	1	-	-
33	CRANKSHAFT PINION - ST2.....	202-11141	-	1	-
-	CRANKSHAFT PINION - ST3.....	203-11140	-	-	1

Note: Undersize and oversize measurements are 0.010", 0.020", 0.030" and 0.040" and examples of ordering undersize and oversize parts are given below :-

- (a) Main Bearing..... 570-12970/020
- (b) Piston Ring Set..... 570-12910/020

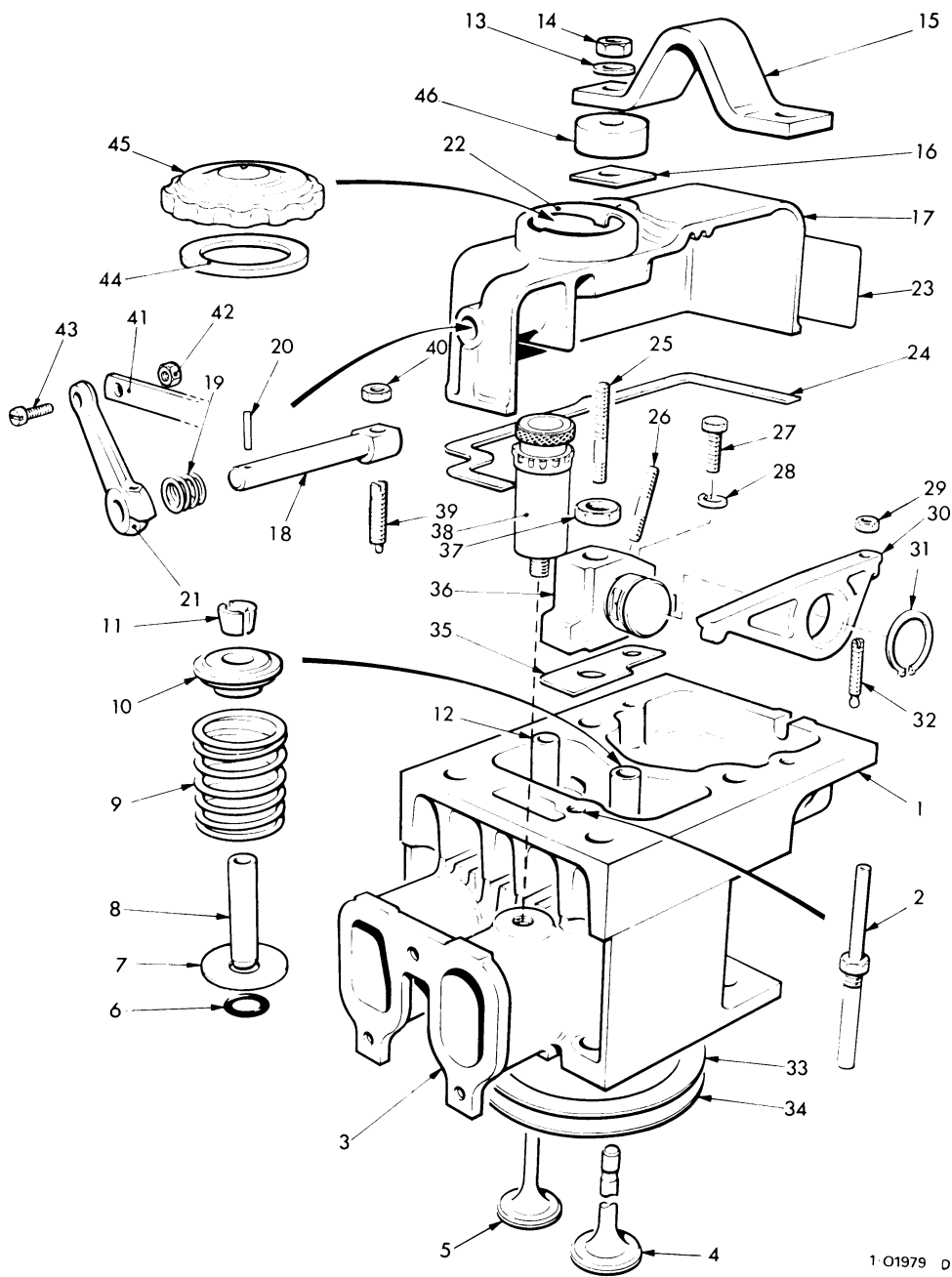


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CRANKSHAFT, CONNECTING ROD & PISTONS ©

ST1, 2 & 3 BUILD 01

Illus No.	Description	Part No.	ST		
			1	2	3
CYLINDER HEAD & COVER					
-	CYLINDER HEAD ASSEMBLY Comprising	570-13043	1	2	3
1	TOP PLATE		1	2	3
2	BREATHER ASSEMBLY	201-10982	1	2	3
3	CYLINDER HEAD		1	2	3
4	INLET VALVE	201-80250	1	2	3
5	EXHAUST VALVE	201-80241	1	2	3
6	OIL SEAL RING	201-81200	1	2	3
7	RETAINING PLATE - Oil Seal Ring	201-55660	1	2	3
8	GUIDE - Inlet Valve	201-55640	1	2	3
9	VALVE SPRING	351-21401	2	4	6
10	CARRIER - Valve Spring	201-80230	2	4	6
11	VALVE COTTER	201-50920	2pr	4pr	6pr
12	GUIDE - Exhaust Valve	201-55650	1	2	3
13	PLAIN WASHER	027-00618	2	4	6
14	NUT - 1/4" UNF	270-00002	2	4	6
15	LIFTING EYE	201-16891	1	1	2
16	JOINT - Lifting Eye	201-26590	2	2	4
-	CYLINDER HEAD COVER ASSEMBLY Comprising	570-11640	1	2	3
17	CYLINDER HEAD COVER		1	2	3
18	SHAFT Decompressor	201-10950	1	2	3
19	SPRING Decompressor	201-12270	1	2	3
20	MILLS PIN Decompressor	201-11730	1	2	3
21	LEVER Decompressor	351-13551	1	2	3
22	OIL FILLER NECK	027-06317	1	2	3
23	INSTRUCTION TRANSFER - English	027-05787	1	1	1
24	JOINT - Cylinder Head Cover	201-80180	1	2	3
25	STUD - Cylinder Head Cover - 1/4" UNF x 11/4"	270-00120	-	2	2
-	STUD - With lifting eye 1/4" UNF x 13/4"	270-00155	2	2	4
26	STUD - Fuel Injector Clamp	201-11061	2	4	6
27	SETSCREW - Rocker Bracket 1/4" UNF x 7/8"	270-00114	2	4	6
28	SPRING WASHER	027-00451	2	4	6
29	LOCKNUT - Adjusting Screw 5/16" UNF	270-00003	2	4	6
30	VALVE ROCKER LEVER ASSEMBLY Including	570-13570	2	4	6
-	BUSH - Rocker Lever	351-50170	2	4	6

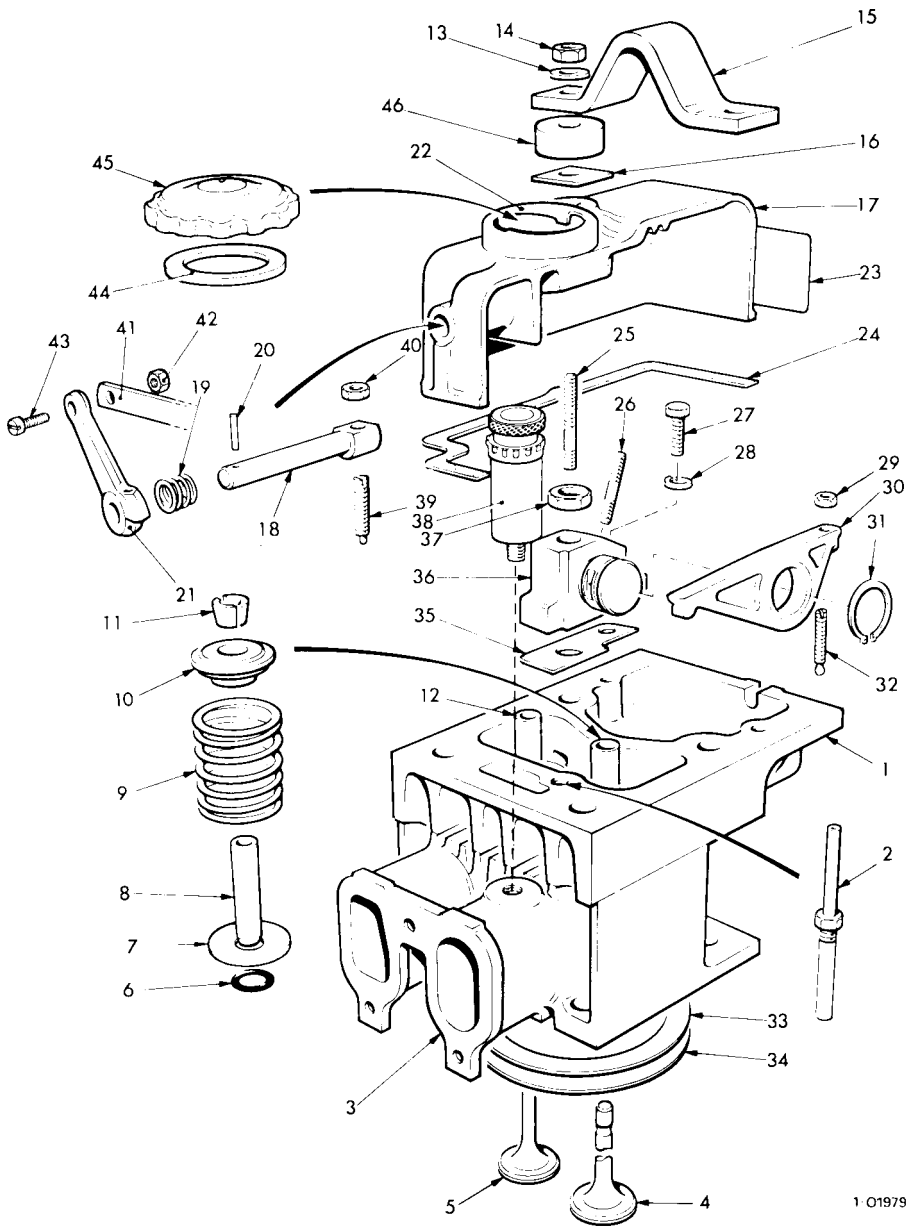


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CYLINDER HEAD ©

ST1, 2 & 3 BUILD 01

Illus No.	Description	Part No.	ST		
			1	2	3
CYLINDER HEAD & COVER (Cont.)					
31	CIRCLIP	201-11630	2	4	6
32	ADJUSTING SCREW - Valve Rocker Lever	292-01670	2	4	6
33	SHIM - Cylinder Head	201-80220	AsRequired		
34	GASKET - Cylinder Head	201-80210	1	2	3
35	JOINT - Rocker Bracket	201-80980	2	4	6
36	VALVE ROCKER BRACKET - Exhaust	201-80350	1	2	3
-	VALVE ROCKER BRACKET - Inlet	201-80340	1	2	3
37	NUT - Cylinder Head 7/16" UNF	270-00005	4	8	12
38	OIL RESERVOIR & PLUNGER	201-26480	1	2	3
39	SCREW - Decompressor	201-10960	1	2	3
40	NUT - 1/4 "UNF	270-00002	1	2	3
41	COUPLING ROD - Decompressor	} For ST2 202-17330 see 064-06649/003 Code EG 064-06772/024	-	-	2
42	NUT - Coupling Rod		-	-	3
43	SCREW - Coupling Rod		-	-	3
44	JOINT - Oil Filler Cap	303-00253	1	2	3
45	OIL FILLER CAP - Includes Joint	027-03824	1	2	3
46	SPACER - Lifting Eye	201-26600	2	2	4

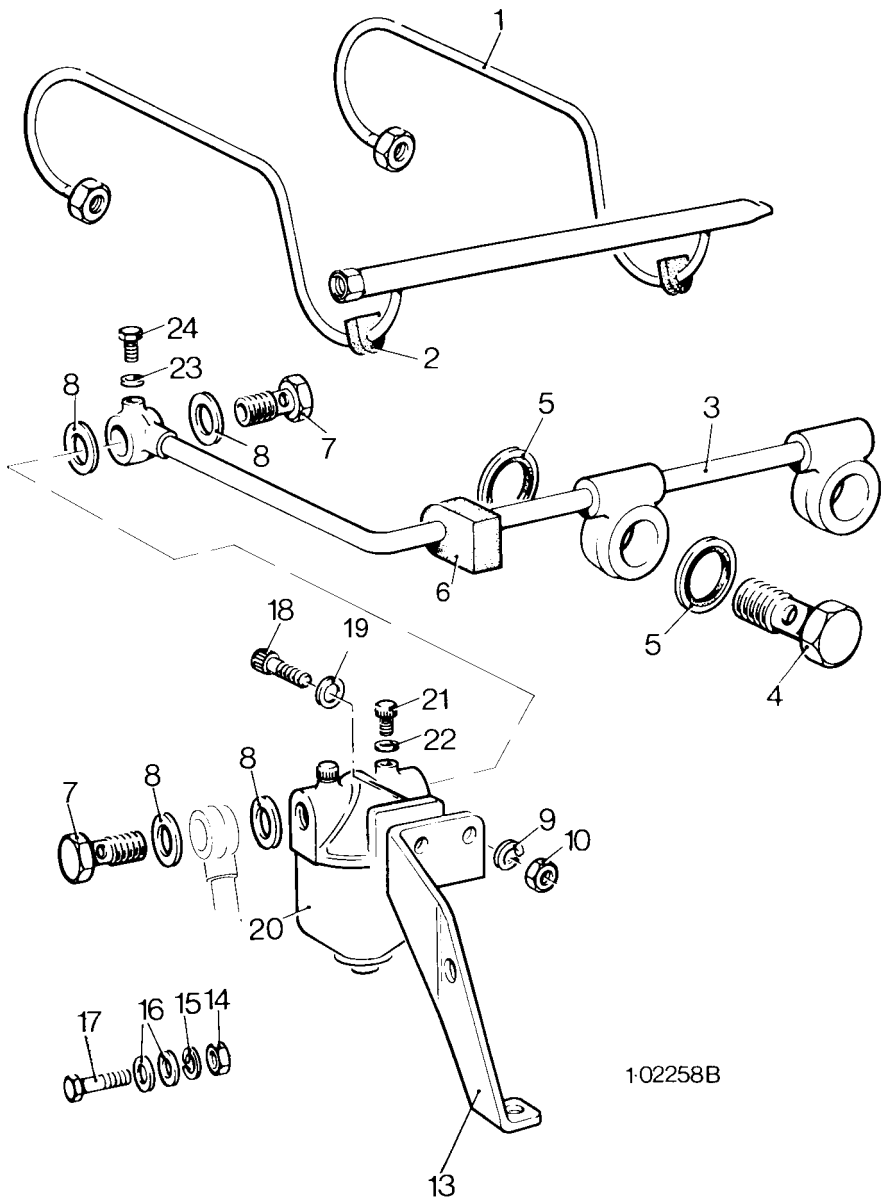


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CYLINDER HEAD ©

ST1 & 2 BUILD 01

Illus No.	Description	Part No.	ST		
			1	2	
FUEL FILTER & PIPES					
-	PIPE - Fuel Leak Off - ST1	201-81922	1	-	
1	PIPE - Fuel Leak Off - ST2	202-17131	-	1	
2	BUSH - Leak Off Pipe	201-11090	1	2	
-	FUEL PIPE - Filter to Pump - ST1	201-11644	1	-	
3	FUEL PIPE - Filter to Pump - ST2	202-11644	-	1	
4	PLUG - Swivel Union	201-53400	1	2	
5	JOINT - Swivel Union Plug	201-12970	2	4	
6	BUSH - Fuel Pipe	201-11271	1	1	
7	PLUG - Swivel Union	201-15400	2	2	
8	COPPER WASHER	013-22350	4	4	
9	SPRING WASHER	027-00717	2	2	
10	NUT - 3/16" UNF	270-00001	2	2	
11	Not Used				
12	Not Used				
13	BRACKET - Fuel Filter - ST1&2	201-83200	1	1	
14	NUT - 5/16" UNF	270-00003	1	1	
15	SPRING WASHER	027-00413	1	1	
16	PLAIN WASHER	027-00082	2	2	
17	SETSCREW - 5/16" UNF x 1"	270-00061	1	1	
18	BOLT - No. 10 UNF x 1"	270-00512	2	2	
19	PLAIN WASHER	027-01698	2	2	
20	FUEL FILTER Complete	} Includes	201-11613	1	1
-	or		201-11614	1	1
21	SCREW	662-10440	2	2	
22	WASHER	662-10450	2	2	
-	ELEMENT	201-13117	1	1	
23	COPPER WASHER	616-01601	1	1	
24	VENT SCREW - 5/16" UNF x 3/8"	270-00172	1	1	

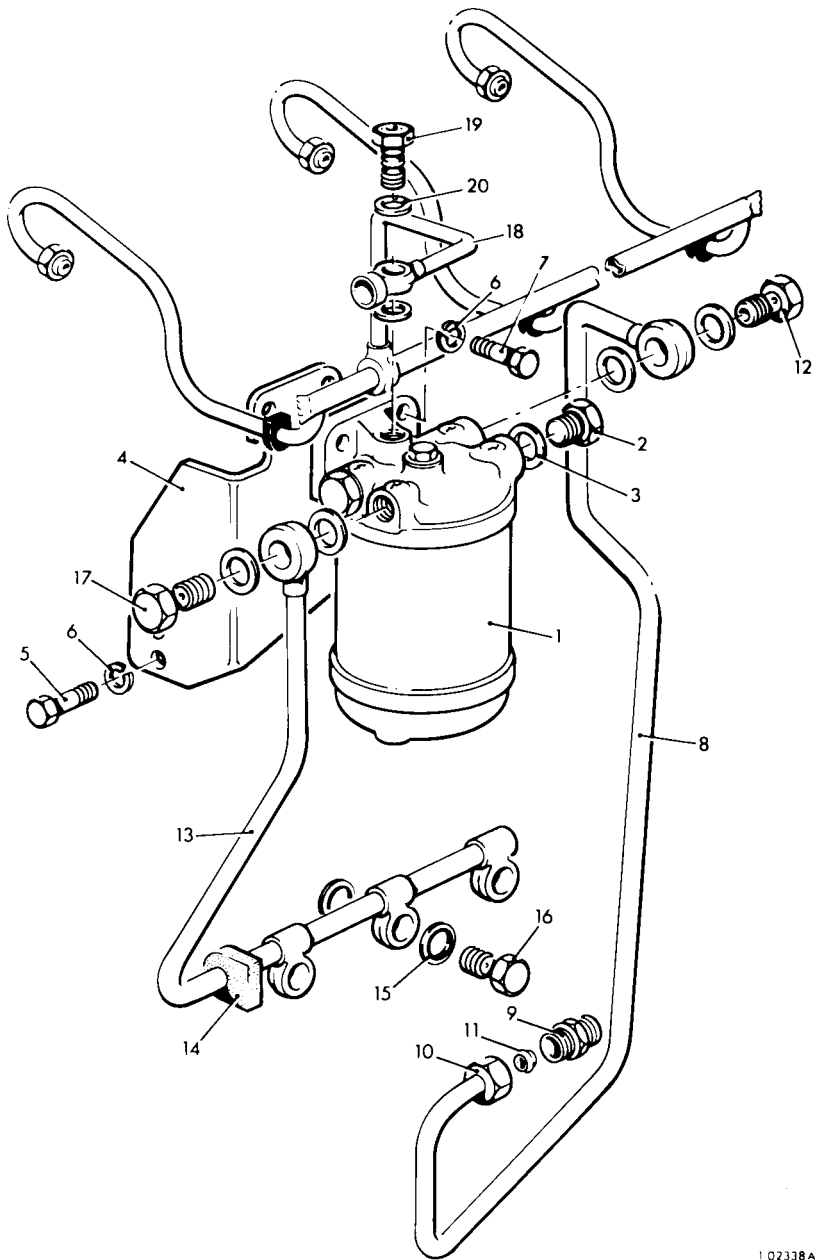


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FUEL FILTER & PIPES—ST1 & 2

ST3 BUILD 01

Illus No.	Description	Part No.	ST
	FUEL FILTER		3
1	FUEL FILTER	354-28360	1
-	ELEMENT	351-29760	1
2	PLUG - Fuel Filter	354-28530	2
3	JOINT - Plug	013-22350	6
	BRACKET		
4	BRACKET	203-82640	1
5	SETSCREW - Bracket to Fuel Pump Housing 5/16" UNF x 1" ..	270-00061	2
6	SPRING WASHER	027-00413	4
7	SETSCREW - Filter to Bracket 5/16" UNF x 7/8"	270-00024	2
	FUEL PIPES		
8	FUEL PIPE - Lift Pump to Filter	203-82810	1
9	UNION	027-04492	2
10	NUT - Union	351-21630	2
11	OLIVE - Union	351-21640	2
12	PLUG - Swivel Union	354-28380	1
13	FUEL PIPE - Fuel Filter to Fuel Pumps	203-82770	1
14	BUSH - Fuel Pipe	201-11271	1
15	WASHER - Fuel Pump Swivel Union	201-12970	6
16	PLUG - Fuel Pump Swivel Union	201-53400	3
17	PLUG - Swivel Union	354-28630	1
18	FUEL PIPE - Leak Off to Filter	203-82960	1
19	NON - RETURN VALVE	572-10611	1
20	JOINT	354-26310	2
	FUEL LIFT PUMP		
-	ST1 & 2 -Code FD	} See Page 236	
-	ST3 - Standard Fitting		

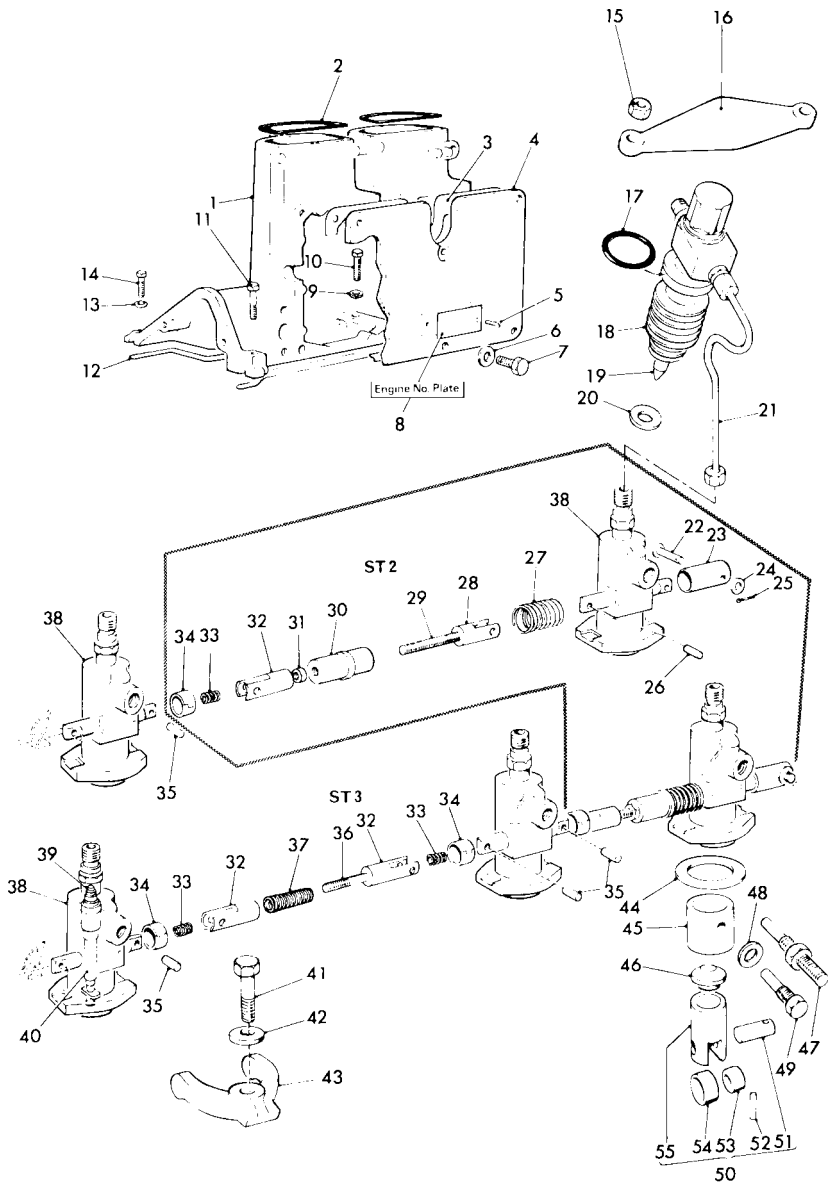


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FUEL FILTER & PIPES—ST3 ©

ST1, 2 & 3 BUILD 01

Illus No.	Description	Part No.	ST		
			1	2	3
FUEL PUMP HOUSING					
-	FUEL PUMP HOUSING - ST1	201-11177	1	-	-
1	FUEL PUMP HOUSING - ST2	202-11178	-	1	-
-	FUEL PUMP HOUSING - ST3	203-11173	-	-	1
2	JOINT - Fuel Pump Housing to Top Plate	201-11413	1	2	3
-	Fuel Pump Housing Door - ST1	201-11581	1	-	-
3	Fuel Pump Housing Door - ST2	202-11583	-	1	-
-	Fuel Pump Housing Door - ST3	203-11580	-	-	1
-	ADAPTOR PLUG } Supplied with Fuel	366-01661	1	1	1
-	'O' RING } Pump Housing	352-11840	1	1	1
-	DOOR - Fuel Pump Housing - ST1	201-11571	1	-	-
4	DOOR - Fuel Pump Housing - ST2	202-11573	-	1	-
-	DOOR - Fuel Pump Housing - ST3	203-11570	-	-	1
5	SCREW - Engine No. Plate	064-07175/001	2	2	2
6	COPPER WASHER	616-01414	4	6	9
7	SETSCREW - 1/4" UNF x 3/4"	270-00055	4	6	9
8	ENGINE NUMBER PLATE	027-06354	1	1	1
9	SPRING WASHER	027-00451	1	1	1
10	SETSCREW - 1/4" UNF x 11/8"	270-00122	-	1	2
11	SETSCREW - 1/4" UNF x 13/4"	270-00204	1	1	1
-	JOINT - Fuel Pump Housing to Crankcase - ST1	201-26110	1	-	-
12	JOINT - Fuel Pump Housing to Crankcase - ST2	202-26110	-	1	-
-	JOINT - Fuel Pump Housing to Crankcase - ST3	203-11400	-	-	1
13	COPPER WASHER	616-01414	6	5	5
14	BOLT - 1/4" UNF x 7/8"	270-00114	3	3	4
-	BOLT - 1/4" UNF x 1"	270-00056	1	1	-
FUEL INJECTOR					
15	NUT - 5/16" UNF	270-00003	2	4	6
16	CLAMP - Injector	201-10924	1	2	3
17	OIL SEAL RING	351-51540	1	2	3
18	FUEL INJECTOR Includes	201-80265	1	2	3
19	NOZZLE	201-81393	1	2	3
-	EDGE FILTER ASSEMBLY	572-10590	1	2	3
20	JOINT	351-40230	1	2	3
21	FUEL PIPE - Pump to Injector	201-80320	1	2	3
EXCESS FUEL STOP					
22	PIN	202-13671	1	1	1
23	SLEEVE - Excess Fuel Stop	351-11290	1	1	1
24	WASHER	064-02580/004	1	1	1
25	SPLIT PIN	027-01986	1	1	1

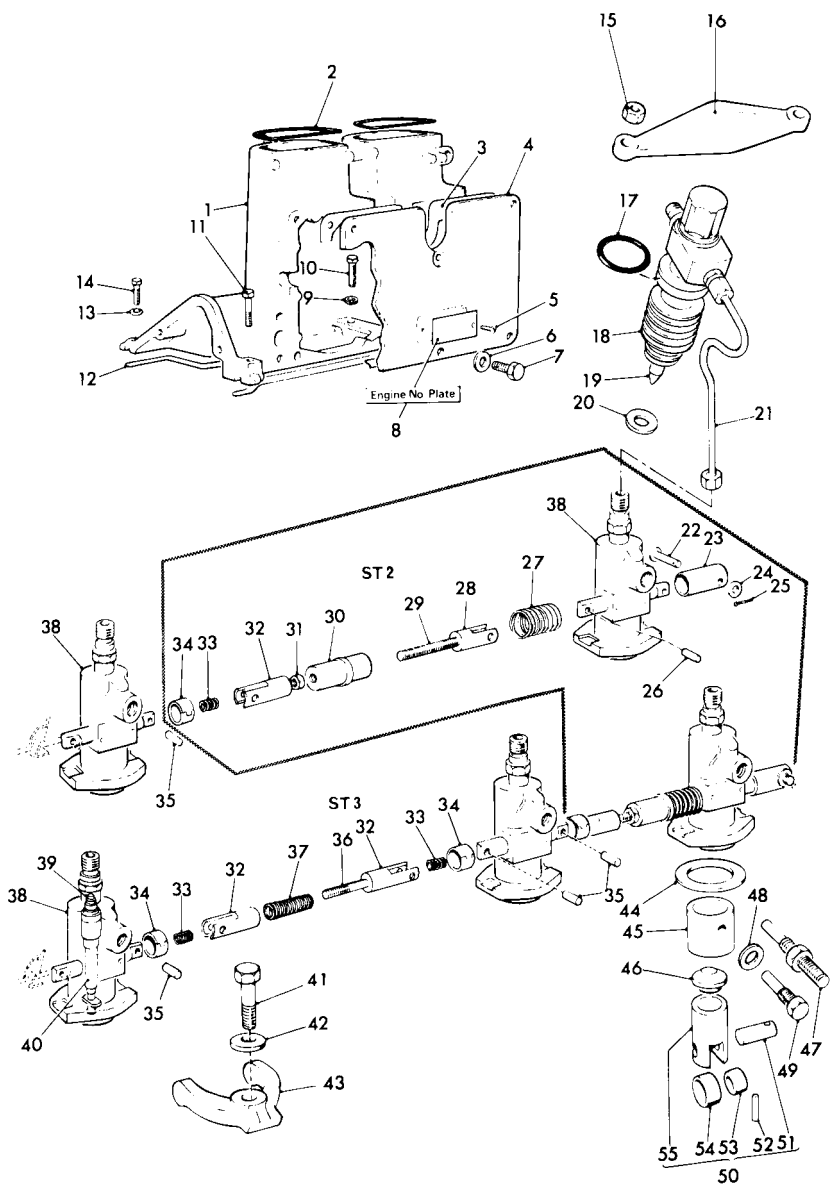


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FUEL PUMP HOUSING ©

ST1, 2 & 3 BUILD 01

Illus No.	Description	Part No.	ST		
			1	2	3
FUEL PUMP SHACKLE & IDLING CONTROL					
26	SHACKLE PIN	204-13670	-	1	1
27	IDLING SPRING - See Governor Weight Table on Page 74		-	1	1
28	SHACKLE	204-12000	-	1	1
29	CONNECTING ROD - 4mm x 15/16"	204-12010	-	1	1
30	ADJUSTING SLEEVE	204-21480	-	1	1
31	LOCKNUT	204-21500	-	1	1
32	SHACKLE	202-12003	-	1	3
33	SHACKLE SPRING	202-12020	-	1	3
34	SPRING CLIP	351-34990	-	1	3
35	SHACKLE PIN	351-11472	-	1	3
36	SHACKLE ROD - 4mm x 11/8"	202-12011	-	-	1
37	EXTERNAL SPRING	202-12710	-	-	1
FUEL PUMP					
38	FUEL PUMP - Including	201-50432	1	2	3
39	DELIVERY VALVE	660-11050	1	2	3
40	ELEMENT	660-13760	1	2	3
41	BOLT - Fuel Pump Clamp 5/16" UNF x 13/4"	270-00064	1	2	3
42	WASHER	201-11560	1	2	3
43	CLAMP - Fuel Pump	201-11540	1	2	3
44	SHIM - Fuel Pump - 0.005"	201-11520			As Reqd
	SHIM - Fuel Pump - 0.010"	201-11530			As Reqd
45	GUIDE - Fuel Pump Tappet	201-11471	1	2	3
46	CAP - Tappet	201-11440	1	2	3
47	LOCATING PIN - No. 1 cylinder	351-12130	1	1	1
48	WASHER - Locating Screw	616-01608	1	2	3
49	LOCATING PIN	201-11481	-	1	2
50	FUEL PUMP TAPPET ASSEMBLY Comprising	570-10030	1	2	3
51	ROLLER PIN	201-11451	1	2	3
52	RETAINING PIN	201-11460	1	2	3
53	BUSH	291-22550	1	2	3
54	ROLLER	291-22560	1	2	3
55	TAPPET	201-11431	1	2	3
-	PROTECTIVE CAP	201-82710	1	1	1

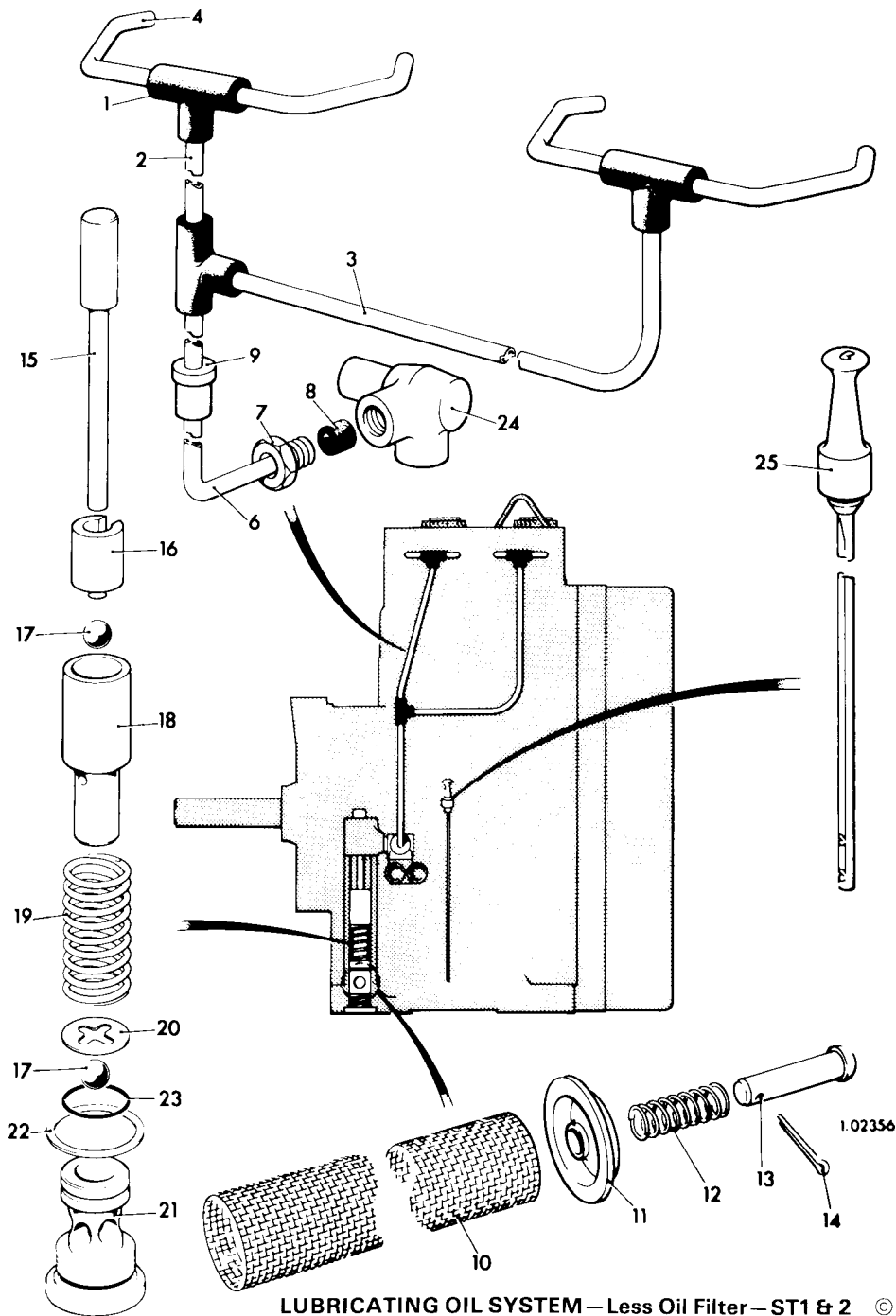


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FUEL PUMP HOUSING ©

ST1 & 2 BUILD 01

Ilus No.	Description	Part No.	ST	
			1	2
LUBRICATING OIL PIPES-ROCKER BRACKETS				
1	TEE PIECE - Lubricating Oil Pipe	201-11662	1	3
2	OIL PIPE ASSEMBLY - Gear End	570-13090	-	1
3	OIL PIPE ASSEMBLY - Flywheel End	570-13100	-	1
4	OIL PIPE - Tee Piece to Rockers	201-11652	2	4
-	OIL PIPE - Pump to Connector - ST1	570-13070	1	-
6	OIL PIPE - Pump to Connector - ST2	202-12080	-	1
7	GLAND NUT } Oil Pipe	201-11380	1	1
8	PACKING WASHER } Pump to	201-11390	1	1
9	BUSH } Connector	201-12280	1	1
LUBRICATING OIL STRAINER				
10	OIL STRAINER	201-10771	1	1
11	END CAP	201-10780	1	1
12	SPRING	291-21950	1	1
13	RETAINING PIN } End Cap	201-10790	1	1
14	SPLIT PIN }	027-02255	1	1
SELF REGULATING LUBRICATING OIL PUMP				
-	PUSH ROD - ST1	201-82610	1	-
15	PUSH ROD - ST2	202-82610	-	1
16	PLUNGER CAP	201-82630	1	1
17	BALL VALVE	210-00393	2	2
18	PLUNGER	201-82620	1	1
19	SPRING	203-82352	1	1
20	RETAINING PLATE - Ball	203-82360	1	1
21	PLUG	203-82370	1	1
22	JOINT WASHER	616-01524	1	1
23	'O' RING	203-24811	1	1
-	PLUG - Swivel Union	203-82380	-	1
VALVE BODY SUPPORT				
-	SUPPORT - Valve Body - ST1	201-11340	1	-
24	SUPPORT - Valve Body - ST2	203-11340	-	1
DIPSTICK				
-	DIPSTICK - Crankcase Door - ST1 (17)	570-10211	1	-
25	DIPSTICK - Crankcase Door - ST2 (19)	570-10390	-	1
-	ADAPTOR - Dipstick	027-04344	1	1
-	'O' RING	201-13120	1	1

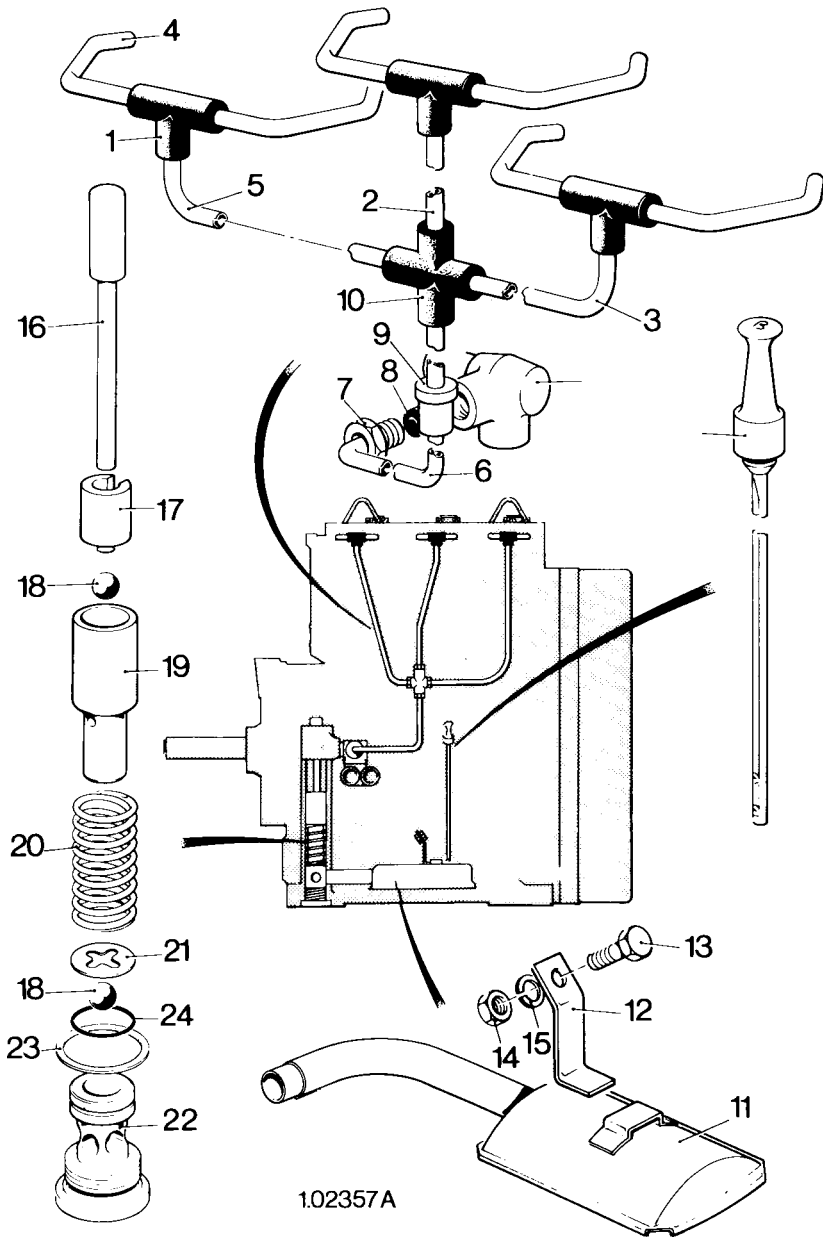


LUBRICATING OIL SYSTEM — Less Oil Filter — ST1 & 2 ©

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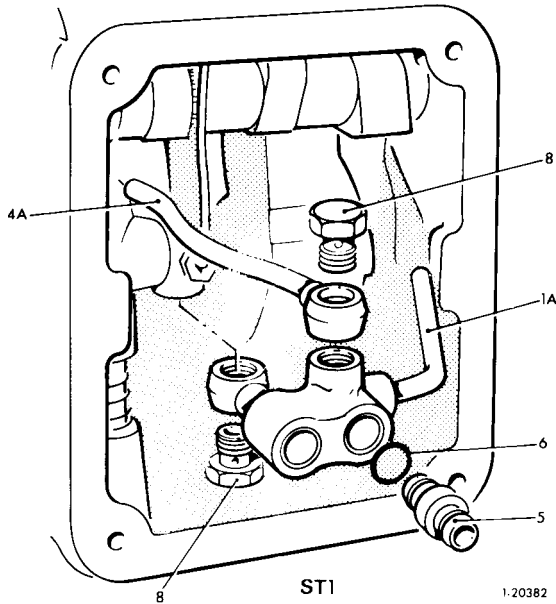
ST3 BUILD 01

Illus No.	Description	Part No.	ST
LUBRICATING OIL PIPES-ROCKER BRACKETS			
1	TEE PIECE - Lubricating Oil Pipe	201-11662	3
2	OIL PIPE - No.2 Cylinder	570-13120	1
3	OIL PIPE - Gear End	570-13110	1
4	OIL PIPE - Tee Piece to Rockers	201-11652	6
5	OIL PIPE - Flywheel End	570-13130	1
6	OIL PIPE - Pump to Connector	203-12080	1
7	GLAND NUT } Oil Pipe	201-11380	1
8	PACKING WASHER } Pump to	201-11390	1
9	BUSH } Connector	201-12280	1
10	CONNECTOR - Four Way	203-17980	1
LUBRICATING OIL STRAINER			
11	OIL STRAINER ASSEMBLY	203-17883	1
-	EXPANSION PLUG - Crankcase	204-53540	1
12	CLAMP BRACKET	203-17942	1
13	SETSCREW - Clamp Bracket 5/16" UNF x 11/4"	270-00182	1
14	NUT - 5/16" UNF	270-00003	1
15	WASHER	027-00413	1
SELF REGULATING LUBRICATING OIL PUMP			
16	PUSH ROD	202-82610	1
17	PLUNGER CAP	201-82630	1
18	BALL VALVE	210-00393	2
19	PLUNGER	201-82620	1
20	SPRING	203-82352	1
21	RETAINING PLATE - Ball	203-82360	1
22	PLUG	203-82370	1
23	JOINT WASHER	616-01524	1
24	'O' RING	203-24811	1
-	PLUG - Swivel Union	203-82380	-
VALVE BODY SUPPORT			
25	SUPPORT - Valve Body	203-11340	1
DIPSTICK			
26	DIPSTICK - Crankcase Door (19)	570-10390	1
-	ADAPTOR - Dipstick	027-04344	1
-	'O' RING	201-13120	1



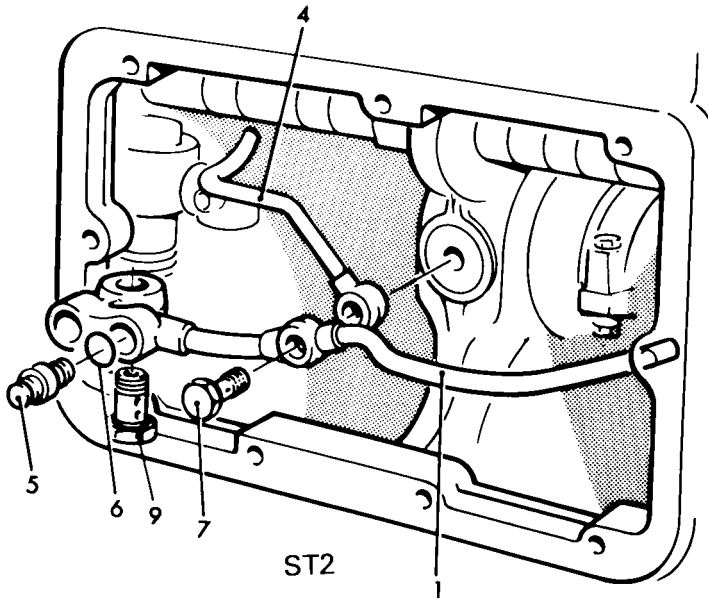
LUBRICATING OIL SYSTEM—Less Oil Filter—ST3 ©

ST1, 2 & 3 BUILD 01

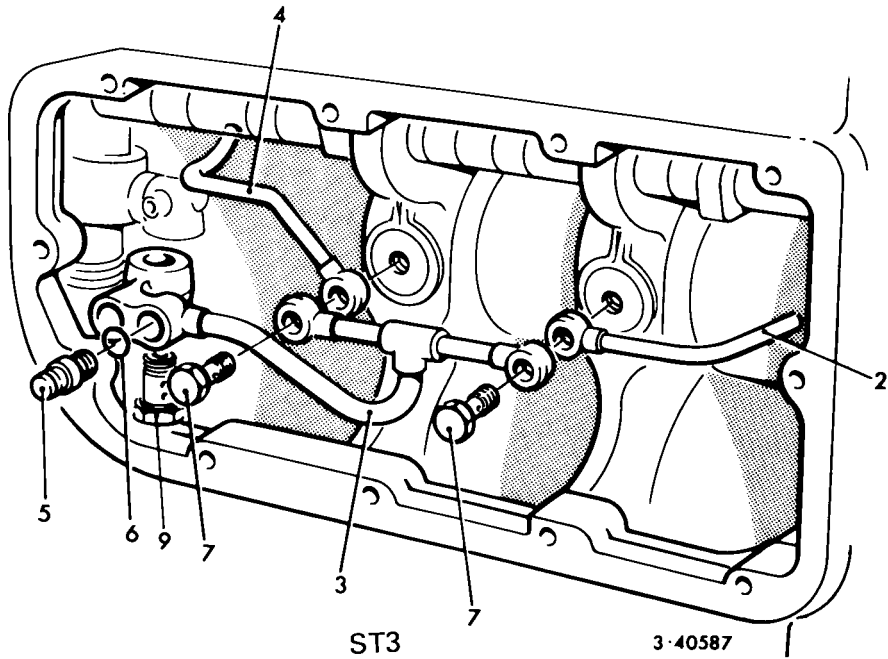


LUBRICATING OIL PIPES—ST1 ©

Illus No.	Description	Part No.	ST		
			1	2	3
LUBRICATING OIL PIPES - Oil Filter/Crankcase					
1	LUBRICATING OIL PIPE - Centre & Flywheel End Bearings	202-81890	-	1	-
1A	LUBRICATING OIL PIPE - Main Bearing - Flywheel End	201-55300	1	-	-
2	LUBRICATING OIL PIPE - Flywheel End Bearing	366-01112	-	-	1
3	LUBRICATING OIL PIPE - Centre Main Bearing	203-55410	-	-	1
4	LUBRICATING OIL PIPE - Gear End Bearing	202-55400	-	1	1
4A	LUBRICATING OIL PIPE - Gear End Bearing	201-55321	1	-	-
5	CONNECTOR - Pipe	201-55330	2	2	2
6	'O' RING - Connector	366-04010	4	4	4
7	PLUG - Double Swivel Union	366-00894	-	1	2
8	PLUG - Swivel Union	842-00359	2	-	-
9	PLUG - Swivel Union	203-82380	-	1	1



ST2

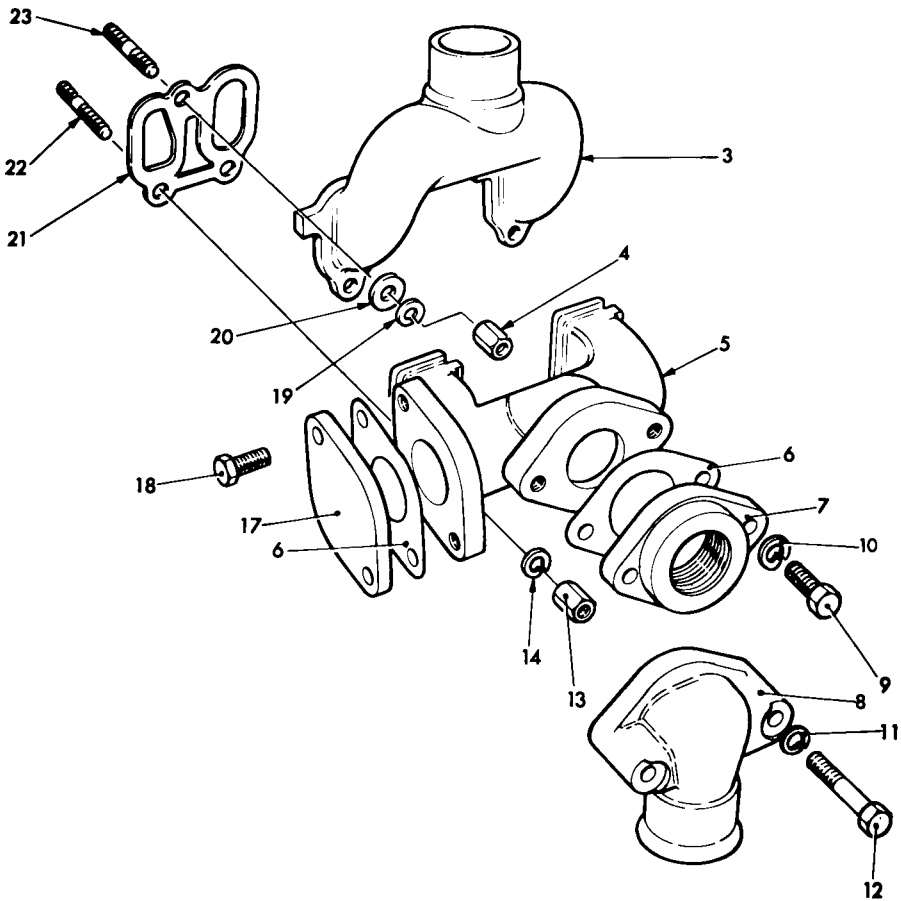


ST3

3-40587

ST1 & 2 BUILD 01

Illus No.	Description	Part No.	ST	
			1	2
MANIFOLDS - ST1 & ST2				
1	} Not Used			
2	} Not Used			
-	AIR INLET & EXHAUST MANIFOLD	201-81492	1	-
3	AIR INLET MANIFOLD	202-51121	-	1
4	NUT - Manifold Top - 5/16" UNF Brass	201-80670	1	2
5	EXHAUST MANIFOLD	202-82590	-	1
6	JOINT - Flange	366-01287	-	2
7	ADAPTOR FLANGE - Horizontal Outlet	202-81660	-	1
8	or - Vertical Outlet (Optional Extra)	202-82600	-	1
9	BOLT - 3/8" UNF x 11/2"	270-00305	-	2
10	SPRING WASHER	027-00393	-	2
11	SPRING WASHER	027-00393	-	2
12	BOLT - 3/8" UNF x 21/4"	270-00187	-	2
13	NUT - Manifold Bottom - 1/4" UNF Brass	201-55510	2	4
14	SPRING WASHER	027-00451	2	4
15	} Not Used			
16	} Not Used			
17	BLANKING PLATE	202-82391	-	1
18	BOLT - 3/8" UNF x 7/8"	270-00072	-	2
19	SPRING WASHER	027-04364	1	2
20	PLAIN WASHER	202-80680	-	2
21	JOINT - Cylinder Head	201-80660	1	2
22	STUD - 1/4" UNF / UNC x 2"	270-00712	-	4
-	STUD - 1/4" UNF / UNC x 15/8"	270-00717	1	-
23	STUD - 5/16" UNF / UNC x 21/8"	202-80650	-	2
-	STUD - 5/16" UNF / UNC x 49/16"	201-80651	1	-
-	STUD - 1/4" UNF / UNC x 29/16"	270-00680	2	-

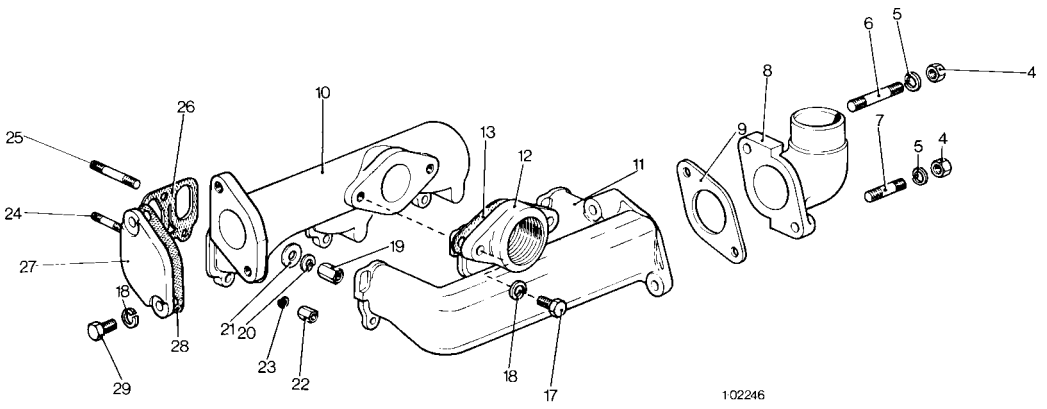


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MANIFOLD—ST1 & 2 ©

ST3 BUILD 01

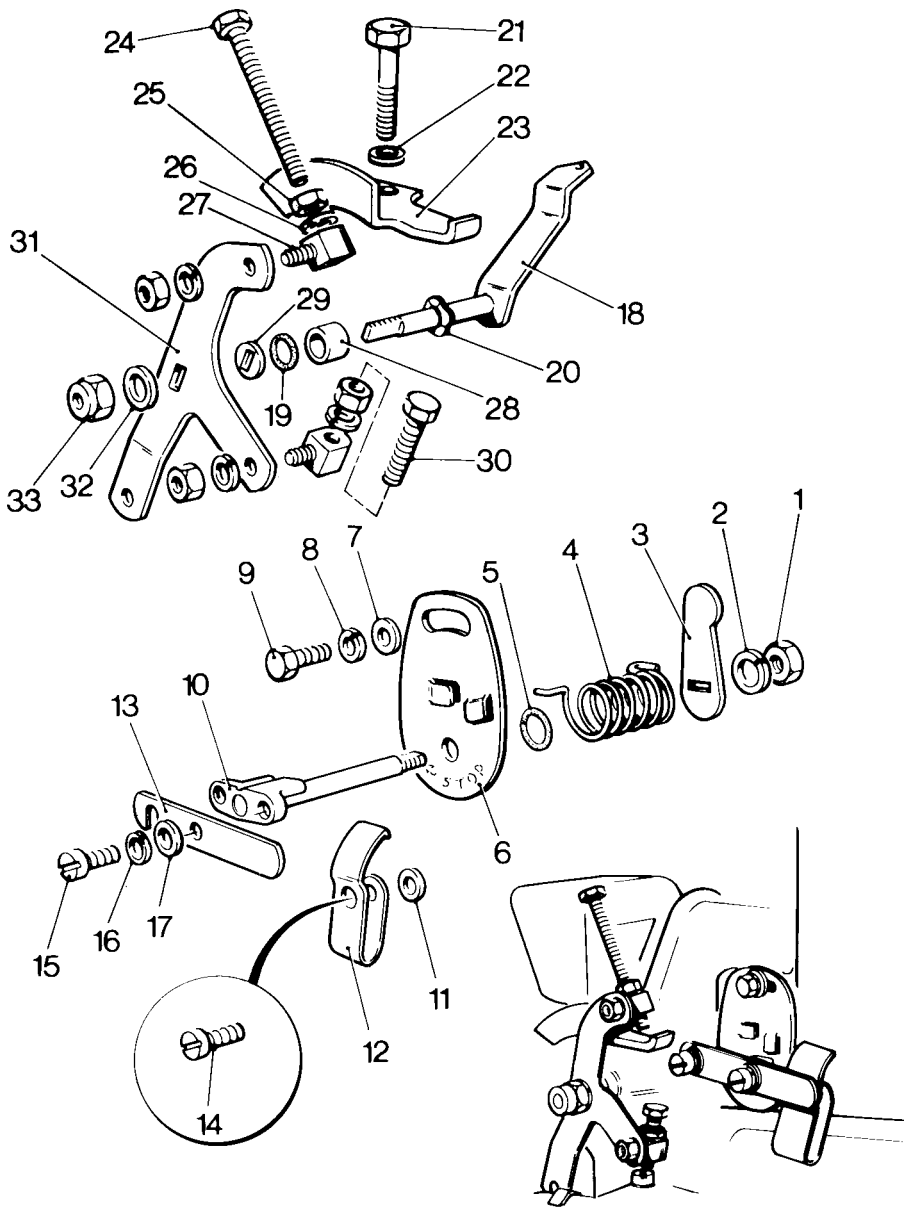
Illus No.	Description	Part No.	ST 3
MANIFOLDS-ST3			
1 to 3	Not Used		
4	NUT - 3/8" UNF	270-00004	2
5	SPRING WASHER	027-00393	2
6	STUD - Adaptor - 3/8" UNF / UNC x 21/2"	270-00721	1
7	STUD - Adaptor - 3/8" UNF / UNC x 13/4"	270-00249	1
8	ADAPTOR - Inlet Manifold	203-81680	1
9	JOINT	203-81690	1
10	EXHAUST MANIFOLD	203-81251	1
11	AIR INLET MANIFOLD	203-81260	1
12	FLANGE - Exhaust Manifold	010-21801	1
13	JOINT - Flange	366-01287	1
14 to 16	Not Used		
17	SETSCREW - 3/8" UNF x 11/8"	270-00305	2
18	SPRING WASHER	027-00393	4
19	NUT - 5/16" UNF Brass	201-80670	3
20	SPRING WASHER	027-04364	3
21	PLAIN WASHER	202-80680	3
22	NUT - 1/4" UNF Brass	201-55510	6
23	SPRING WASHER	027-00451	6
24	STUD - 1/4" UNF / UNC x 15/8"	270-00717	6
25	STUD - 5/16" UNF x 21/8"	202-80650	3
26	JOINT - Cylinder Head	201-80660	3
27	BLANKING FLANGE - Exhaust Manifold	202-82391	1
28	JOINT - Flange	366-01287	1
29	SETSCREW - 3/8" UNF x 5/8"	270-00161	2



MANIFOLDS—ST3 ©

ST1, 2 & 3 BUILD 01

Illus No.	Description	Part No.	ST		
			1	2	3
SPEED & STOP CONTROL					
1	NUT - Control Lever 1/4" UNF	270-00002	1	1	1
2	SPRING WASHER	027-00451	1	1	1
3	CONTROL LEVER	201-12320	1	1	1
4	SPRING - Control Lever	201-12330	1	1	1
5	'O' RING - Spindle	201-13120	1	1	1
6	ADJUSTMENT PLATE - Control Lever	201-12371	1	1	1
7	PLAIN WASHER	027-01698	1	1	1
8	SPRING WASHER	027-00717	1	1	1
9	BOLT - 1O UNF x 1/2"	270-00103	1	1	1
10	SPINDLE - Control Lever	201-12361	1	1	1
11	PLAIN WASHER	027-00618	1	1	1
12	SPRING - Stopping Lever	201-53140	1	1	1
13	STOPPING LEVER	201-53130	1	1	1
14	SCREW - Cheese Head - 1/4" UNF x 5/8"	270-00053	1	1	1
15	SCREW - Cheese Head - 1O UNF x 3/8"	270-00230	2	2	2
16	SPRING WASHER	027-00717	2	2	2
17	PLAIN WASHER	027-01698	2	2	2
18	INTERNAL LEVER	366-05343	1	1	1
19	OIL SEAL	201-13120	1	1	1
20	CRINKLE WASHER	027-06159	1	1	1
21	BOLT - 1/4" UNF x 13/4"	270-00204	1	1	1
22	COPPER WASHER	291-26090	1	1	1
23	SPEED CONTROL STOP	366-06335	1	1	1
24	STOP SCREW - Upper Stop 1O UNF x 21/2"	270-00734	1	1	1
25	NUT - 3/16" UNF	270-00001	4	4	4
26	SPRING WASHER	027-00717	4	4	4
27	STOP PIN PAD	366-04967	2	2	2
28	BOSS	366-04966	1	1	1
29	SPACER	366-05341	1	1	1
30	STOP SCREW - Lower Stop 1O UNF x 1"	270-00512	1	1	1
31	EXTERNAL LEVER	366-04965	1	1	1
32	WASHER	027-00618	1	1	1
33	NUT - Self Locking 1/4" UNF	270-00153	1	1	1
-	SPEED SETTING TRANSFER	201-82720	1	1	1



1-02248

SPEED & STOP CONTROL ©

SCHEDULE OF GOVERNOR WEIGHT AND SPRING COMBINATIONS FOR 'ST' ENGINES

Combination Code	Governor Weight Part No. and Identif'n. Letter 2 per set	Governor Weight Spring Part No. and Colour 2 per set	Speeder Spring Part No. and Colour 1 per set	No. of Cylinders	Idling Spring 1 per set	Rev/Min Build Speed
2 GRZ	(2) 572-11380	(RED) 201-10820	(GREEN) 201-83170	1,2,3	—	1500
2GDZ	572-11380	(Red/Green) 201-10821	(GREEN) 201-83170	3	—	1200
11GRZ	(11) 572-11640	(RED) 201-10820	(GREEN) 201-83170	1,2,3	—	1800
15GZZ	(15) 572-11662	—	(GREEN) 201-83170	1,	—	2000 or 2600 or 3000
15GZY	(15) 572-11662	—	(GREEN) 201-83170	2,3	(YELLOW) 204-21491	2600 or 3000
17GZY	(17) 572-11664	—	(GREEN) 201-83170	2,3	(YELLOW) 204-21491	2000 or 2350 or 2600

SPECIMEN ORDER FORM FOR REPLACEMENT PARTS

REPLACEMENT PARTS — DIRECTIONS FOR ORDERING

TO..... FROM.....
(YOUR NORMAL SUPPLIER)

ORDER No..... DATE.....

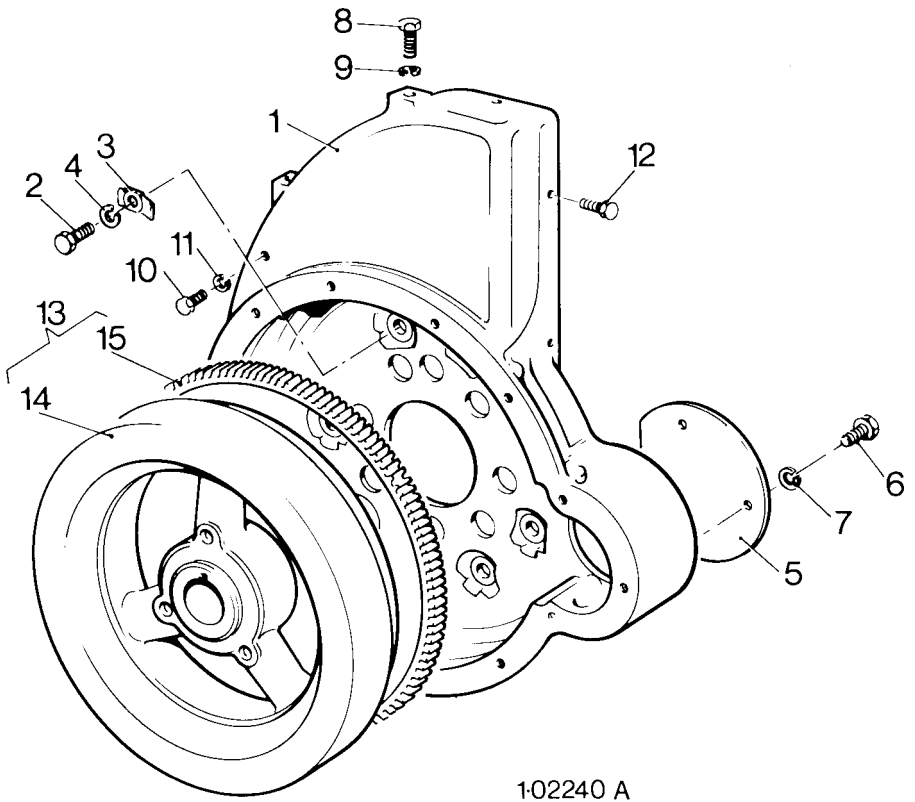
LISTER ENGINE SERIAL NUMBER.....

Item No.	Description	Part No.	Quantity	Remarks
1	Exhaust Valve	201-80241	3	
2	Inlet Valve	201-80250	3	
3	Spring	351-21401	6	
4	Spring Carrier	201-80230	6	
5	Piston Ring — Set	570-12910	3	

DESPATCH INSTRUCTIONS

ST1 BUILDS 2 & 3

Illus No.	Description	Part No.	ST
BUILD 2 & 3			
CLOSE COUPLED FANSHROUD			
1	FANSHROUD - ST1	201-26491	1
2	SETSCREW - Fan Shroud to Crankcase 3/8" UNF x 1"	270-00073	6
3	TABWASHER	201-26540	6
4	SPRING WASHER	202-24060	6
5	BLANKING PLATE - Electric Start Hole	201-13160	1
6	BOLT - 3/8" UNF x 5/8"	270-00161	3
7	SPRING WASHER	027-00393	3
8	BOLT - Raised Hand Starting attachment 5/16" UNC x 5/8"	270-00404	2
9	SPRING WASHER	027-00413	2
10	SETSCREW - Air Duct Attachment 1/4" UNF x 1/2"	270-00054	1
11	SPRING WASHER	027-00451	1
12	SETSCREW - Cowling 5/16" UNF x 3/8"	270-00172	3
ELECTRIC START FLYWHEEL			
13	FLYWHEEL ASSEMBLY Comprising	570-12340	1
14	FLYWHEEL	} Build 3 only	1
15	GEAR RING		
GOVERNOR WEIGHTS & SPRINGS			
	- See table on page 74		15GZZ



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VARIATIONS FROM BUILD ONE — ST1 BUILDS 2 & 3 ©

ST 2 & 3 BUILDS 2 & 3

Illus No.	Description	Part No.	ST	
			2	3
BUILD 2 & 3				
CLOSE COUPLED FAN SHROUD				
1	FANSHROUD - ST2 & 3	202-26490	1	1
.	SETSCREW - Fan Shroud to Crankcase 3/8" UNF x 1 "	270-00073	6	6
3	TABWASHER	201-26540	6	6
4	SPRING WASHER	202-24060	6	6
5	BLANKING PLATE - Electric Start Hole	201-13160	1	1
6	SETSCREW - 3/8" UNC x 1/2"	270-00457	3	3
7	SPRING WASHER	027-00393	3	3
8	SETSCREW - Cowling 5/16" UNF x 3/8"	270-00172	3	3
9	BOLT - 3/8" UNC x 7/8"	270-00286	2	2
10	STRAP	202-26640	1	1

ELECTRIC START FLYWHEEL

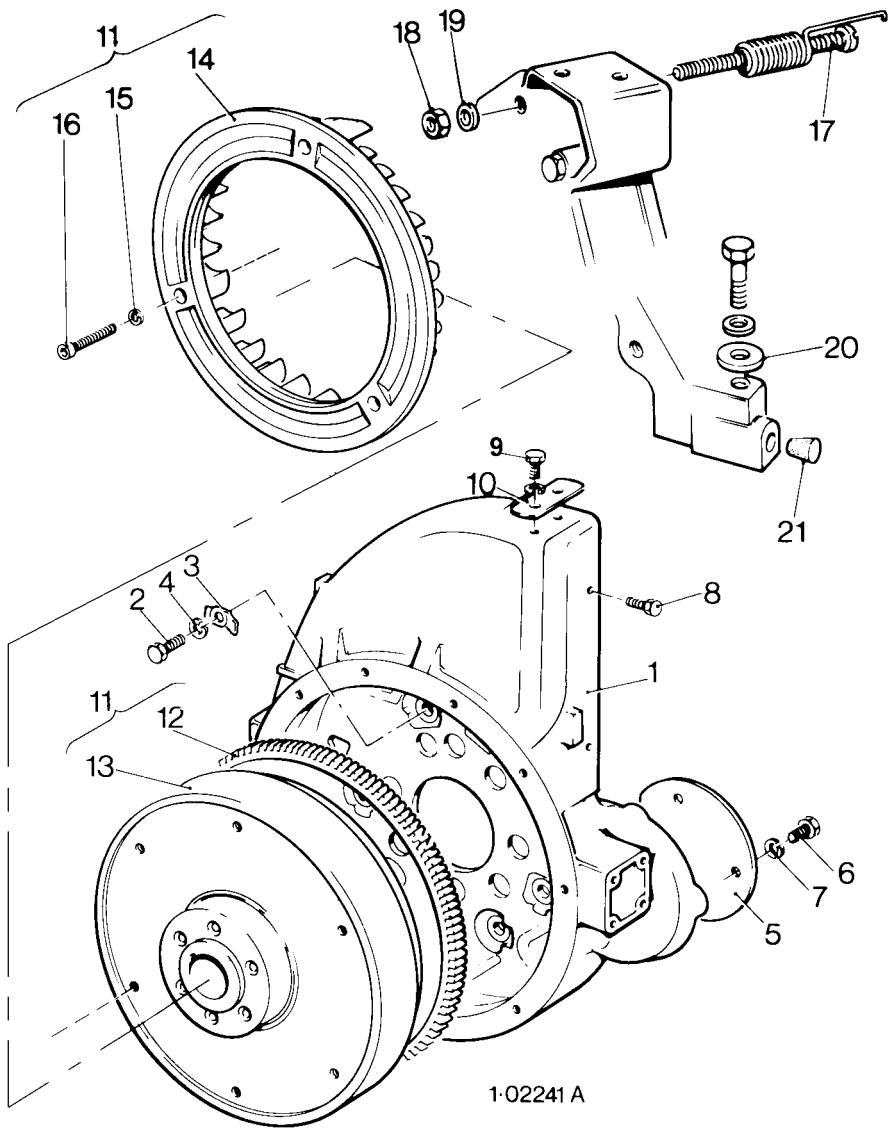
11	FLYWHEEL ASSEMBLY Comprising	570-12490	1	-
12	GEAR RING	202-12870	1	-
13	FLYWHEEL	202-80890	1	-
14	FAN	202-70070	1	-
15	SPRING WASHER	027-00413	3	-
16	CAP SCREW 5/16" UNF x 2"	270-00617	3	-
-	FLYWHEEL ASSEMBLY Comprising	570-13150	-	1
12	GEAR RING	202-12870	-	1
13	FLYWHEEL	202-80890	-	1
-	FAN	202-10544	-	1
-	BOLT 5/16" UNF x 21/2"	270-00067	-	6
15	SPRING WASHER	027-00413	-	6

END COVER SPEED ADJUSTMENT

17	ADJUSTING SCREW	270-00112	-	1
18	NUT - 3/16" UNF	270-00001	-	1
19	WASHER	616-01601	-	1
20	WASHER	201-26600	-	1
21	RUBBER PLUG	201-81860	-	1

GOVERNOR WEIGHTS & SPRINGS

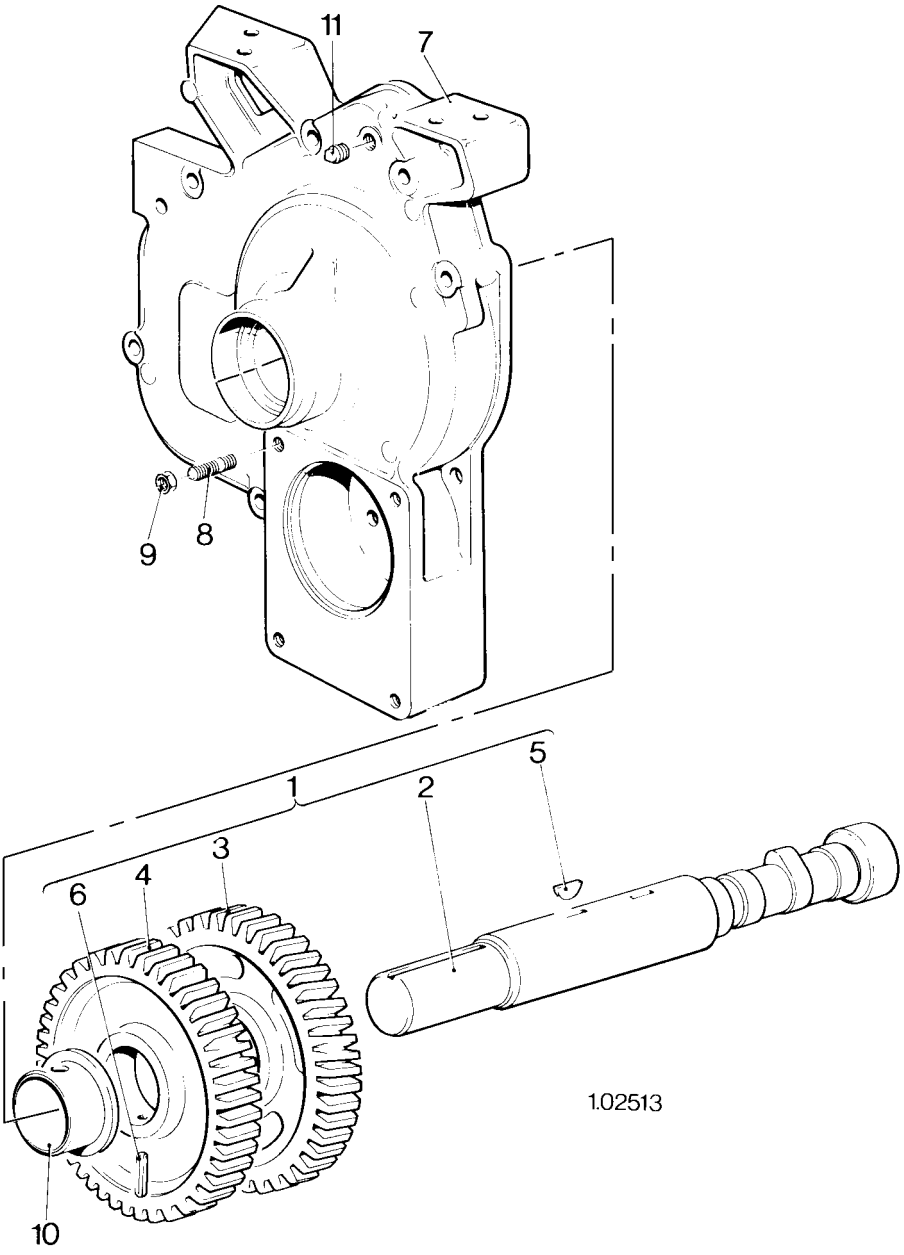
GOVERNOR WEIGHTS & SPRINGS - ST2 See table 17GZY
 GOVERNOR WEIGHTS & SPRINGS - ST3 Build 2 on 17GZY
 GOVERNOR WEIGHTS & SPRINGS - ST3 Build 3 Page 74 2GRZ



VARIATIONS FROM BUILD ONE – ST2 & 3 BUILDS 2 & 3 ©

ST1 BUILD 4

Illus No.	Description	Part No.	ST
BUILD 4			
HYDRAULIC PUMP DRIVE CAMSHAFT			
1	CAMSHAFT & PUMP DRIVE ASSEMBLY Comprising	201-81080	1
2	CAMSHAFT		1
3	GEARWHEEL		1
4	GEARWHEEL		1
5	KEY	027-00785	2
6	DOWEL	201-11160	2
END COVER			
7	END COVER	366-03435	1
8	STUD - End Cover 5/16" UNF x 11/4"	270-00081	1
9	NUT - 5/16" UNF	270-00003	1
10	CAMSHAFT BUSH	366-03438	1
11	PLUG - End Cover 1/8" BSP	027-01993	1
GOVERNOR WEIGHTS & SPRINGS			
	ST1 - See table on page 74	15GZZ	

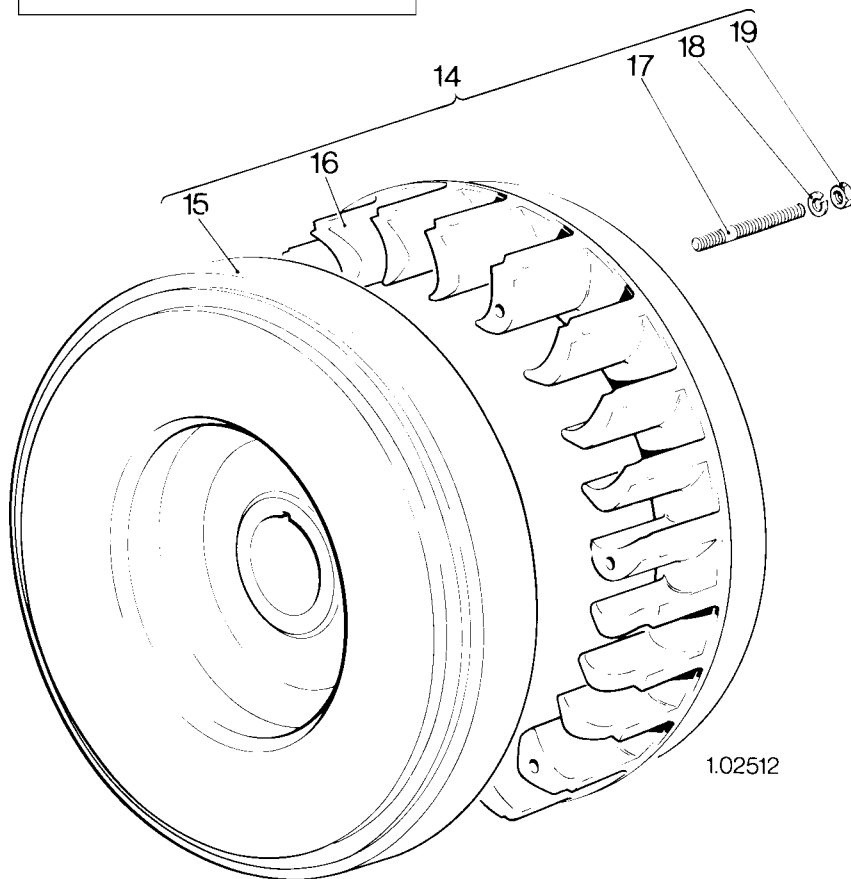
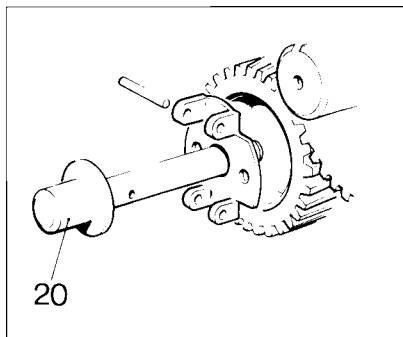


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VARIATIONS FROM BUILD ONE—ST1 Build 4 ©

ST2 & 3 BUILD 4

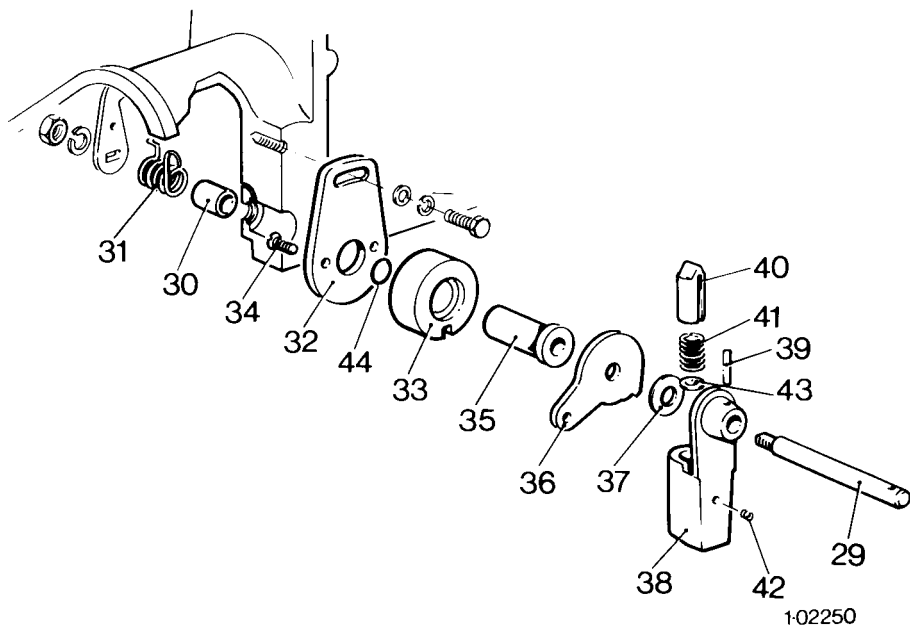
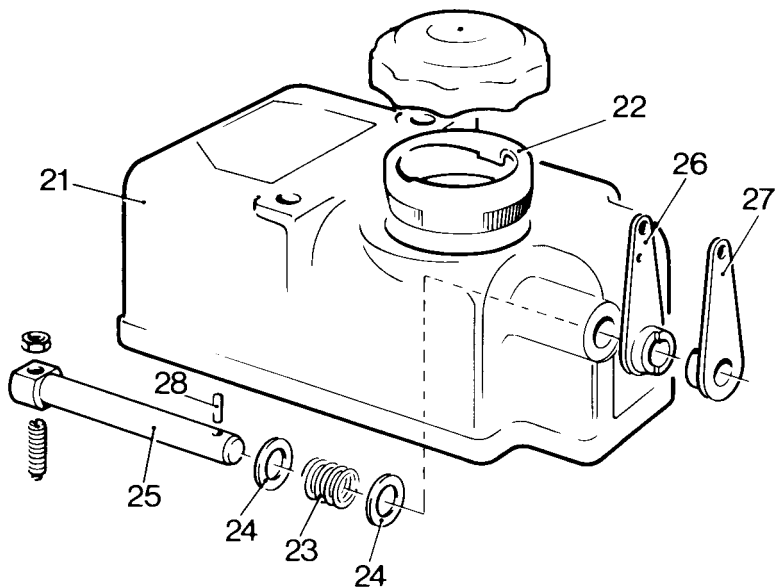
Illus No.	Description	Part No.	ST	
			2	3
BUILD 4 (Cont.)				
HEAVY FLYWHEEL				
1-13	Not used			
14	FLYWHEEL ASSEMBLY Comprising	570-12560	1	-
15	FLYWHEEL	202-80890	1	-
16	FAN	202-51600	1	-
17	STUD - 5/16" UNF x 31/2"	270-00605	6	-
18	SPRING WASHER	027-00413	6	-
19	NUT - 5/16" UNF	270-00003	6	-
END COVER SPEED ADJUSTMENT				
	SEE BUILD 3 (ST3)	Items 17-21	1	1
GOVERNOR PARTS				
20	GOVERNOR SLEEVE	201-10800	1	-



VARIATIONS FROM BUILD ONE — ST2 & 3 BUILD 4 ©

ST2 & 3 BUILD 4

Illus No.	Description	Part No.	ST	
			2	3
BUILD 4 (Cont.)				
CYLINDER HEAD COVER				
21	COVER	201-80130	-	3
22	OIL FILLER NECK	027-06317	-	3
23	SPRING - Shaft	064-09127	-	3
24	WASHER	064-09522	-	6
25	SHAFT - Decompressor	064-14542	-	3
26	LEVER - Decompressor - Inner	064-14540	-	3
27	LEVER - Decompressor -Outer	064-14541	-	3
28	MILLS PIN	201-11730	-	3
CLOSE COUPLED FANSHROUD				
-	See Builds 2&3	Items 1 - 10	1	1
FLYWHEEL STARTER RING				
-	See Builds 2 & 3 Assembly	570-13150	-	1
AUTO TYPE FUEL CONTROL				
29	SPINDLE	064-08886	-	1
30	MOVEMENT LIMIT SPACER	064-09267	-	1
31	SPRING - Overload Control	064-32720	-	1
32	ADJUSTMENT PLATE	064-08894	-	1
33	LOCKING DISC	064-31952	-	1
34	SCREW - Locking Disc	064-06616/001	-	2
35	SPACER BUSH	064-08885	-	1
36	CONTROL LEVER	064-32698	-	1
37	SPACER WASHER	064-08890	-	1
38	PLUNGER BARREL	064-31953	-	1
39	SPRING PIN	064-33429	-	1
40	CONTROL PLUNGER	064-32699	-	1
41	PLUNGER SPRING	064-07967	-	1
42	PIN - Plunger location	064-09249	-	1
43	SHIM - Spring Adjustment	064-02580/001	As Reqd	
44	'O' RING - Fuel Pump Housing	201-13120	-	1

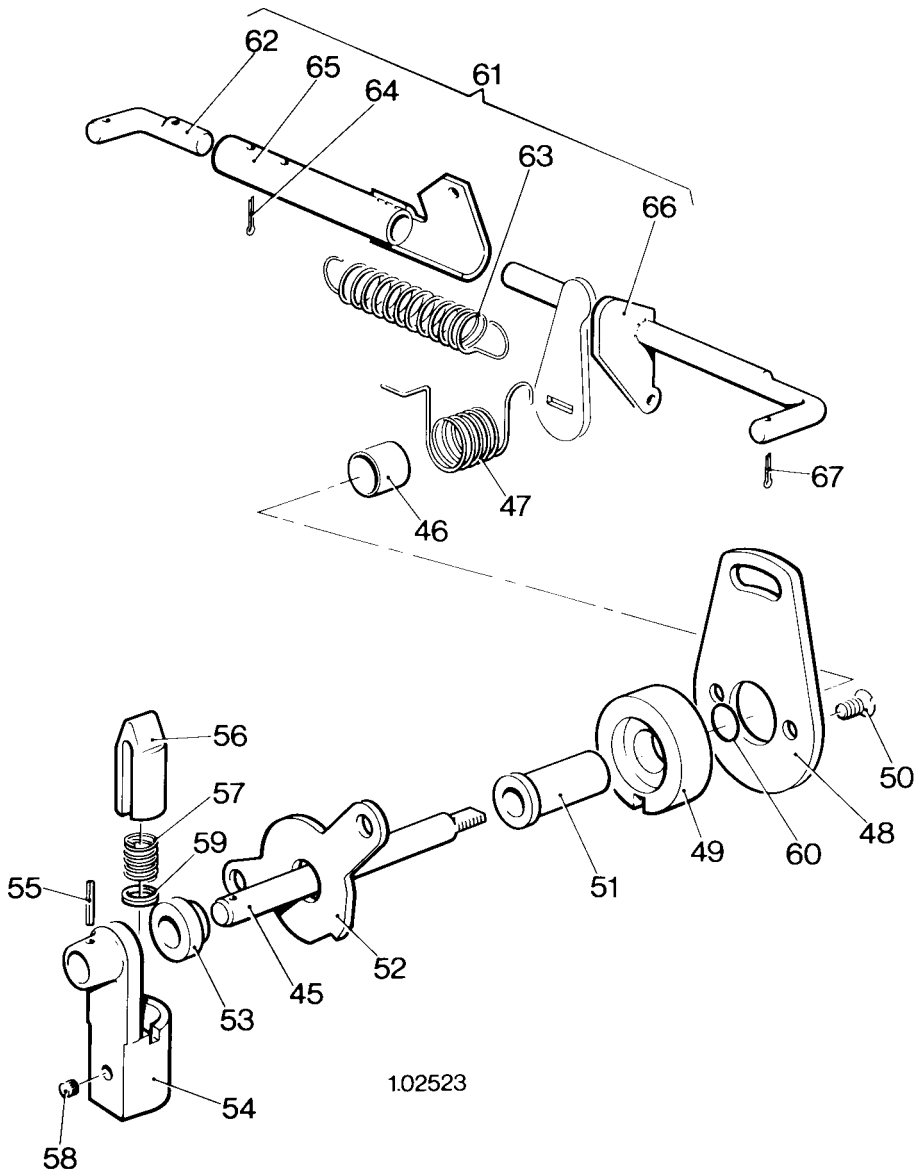


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VARIATIONS FROM BUILD ONE—ST2 & 3 BUILD 4 ©

ST2 & 3 BUILD 4

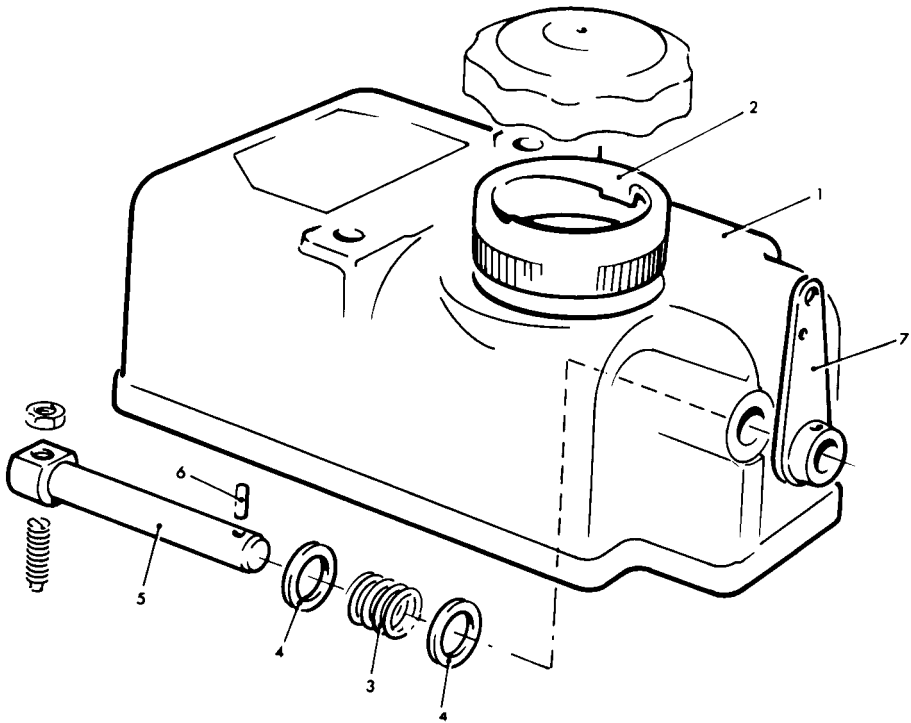
Illus No.	Description	Part No.	ST	
			2	3
BUILD 4 (Cont.)				
AUTO LEVER & LINK				
	AUTO CONTROL LEVER ASSEMBLY Comprising	570-16710	-	1
45	SPINDLE	064-08886	-	1
46	SPACER - Movement Limit	064-09267	-	1
47	SPRING - Overload Control	064-32720	-	1
48	ADJUSTMENT PLATE	064-08894	-	1
49	LOCKING DISC	064-31952	-	1
50	SCREW	064-06616/001	-	2
51	SPACER BUSH	064-08885	-	1
52	CAM CONTROL LEVER	366-06753	-	1
53	CAM BUSH	366-06754	-	1
54	PLUNGER BARREL	064-31953	-	1
55	SPRING PIN	064-33429	-	1
56	CONTROL PLUNGER	064-32699	-	1
57	SPRING - Plunger	064-07967	-	1
58	DOWEL - Plunger Locating	064-09249	-	1
59	SHIM	064-02580/001	-	2
60	'O' RING	201-13120	-	1
61	GOVERNOR LINK ASSEMBLY Comprising	201-83070	-	1
62	GOVERNOR LINK END	201-83080	-	1
63	SPRING	201-83091	-	1
64	PIN	201-83100	-	1
65	TUBE ASSEMBLY	201-83110	-	1
66	GOVERNOR LINK END ASSEMBLY	201-83140	-	1
67	SPLIT PIN - Governor Link	027-01986	-	1
FUEL PUMP				
	LOCATING PIN-Fuel Pump Tappet	201-11481	2	3
GOVERNOR WEIGHTS & SPRINGS				
	ST2 & 3 - See table on page 74	2GRZ		



VARIATIONS FROM BUILD ONE — ST2 & 3 BUILD 4 ©

ST1 & 2 BUILD 5

Illus No.	Description	Part No.	ST	
			1	2
BUILD 5				
SEMI - HEAVY INDUSTRIAL FLYWHEEL				
-	FLYWHEEL	201-81012	1	-
CLOSE COUPLED FANSHROUD				
-	SEE BUILDS 2 & 3	Items 1-10	-	1
HEAVY FLYWHEEL				
-	SEE BUILD 4 Assembly	570-12560	-	1
AUTO TYPE FUEL CONTROL				
-	SEE BUILD 4	Items 29-44	-	1
CYLINDER HEAD COVER				
1	COVER	201-80130	-	2
2	OIL FILLER NECK	027-06317	-	2
3	SPRING - Shaft	064-09127	-	2
4	WASHER	064-09522	-	4
5	SHAFT	201-10950	-	2
6	MILLS PIN	201-11730	-	2
7	LEVER - Decompressor	064-09975	-	2
END COVER SPEED ADJUSTMENT				
	SEE BUILD 3 (ST3)	Items 17-21	-	1
GOVERNOR PARTS				
	SEE BUILD 4	Item 20	-	1
GOVERNOR WEIGHTS & SPRINGS				
	GOVERNOR WEIGHTS & SPRINGS - ST1	} See table 15GZZ on Page 74 2GRZ		
	GOVERNOR WEIGHTS & SPRINGS - ST2			

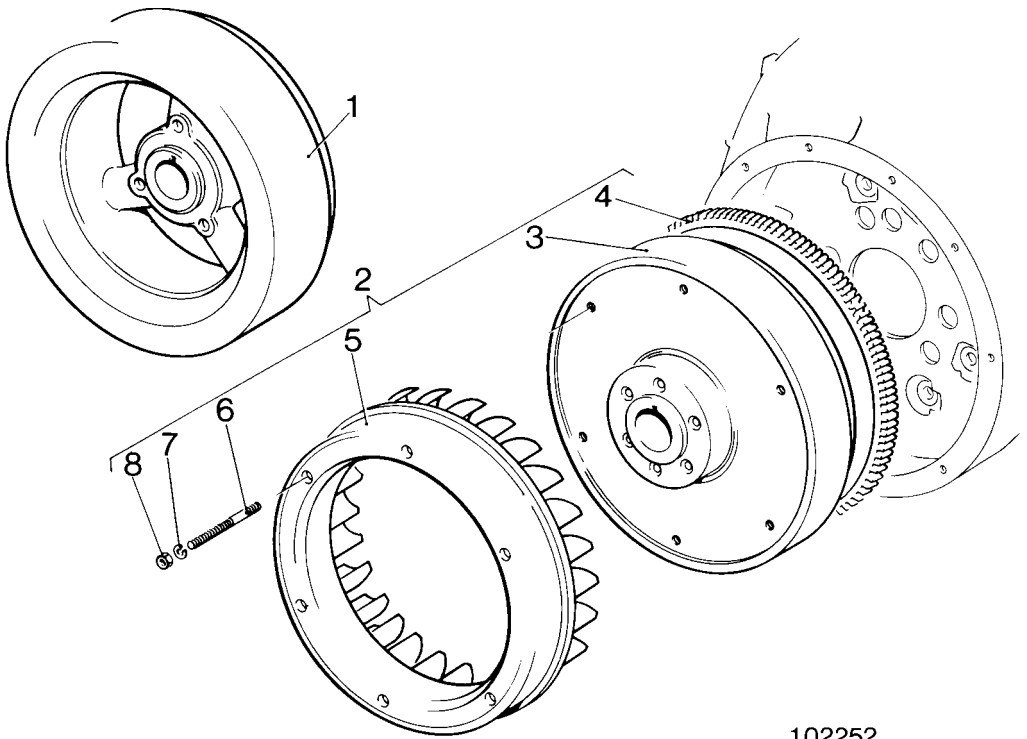


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VARIATIONS FROM BUILD ONE—BUILD 5 ©

ST1 & 2 BUILD 6

Illus No.	Description	Part No.	ST	
			1	2
BUILD 6				
HEAVY FLYWHEEL - GEN SET				
1	FLYWHEEL	201-80870	1	-
CLOSE COUPLED FANSHROUD				
	SEE BUILD2 &3 - ST1	Items 1-12	1	-
	SEE BUILD2 &3 - ST2	Items 1-10	-	1
HEAVY FLYWHEEL & RING				
2	FLYWH EEL ASSEMBLY Comprising	570-12650	-	1
3	FLYWHEEL	202-80890	-	1
4	STARTER RING	202-12870	-	1
5	FAN	202-51600	-	1
6	STUD - 5/16" UNF x 31/2"	270-00605	-	6
7	SPRING WASHER	027-00413	-	6
8	NUT - 5/16" UNF	270-00003	-	6
END COVER SPEED ADJUSTMENT				
	SEE BUILD 3 (ST3)	Items 17-21	1	1
GOVERNOR PARTS				
	SEE BUILD 4	Item 20	1	1
GOVERNOR WEIGHTS & SPRINGS see table				
GOVERNOR WEIGHTS & SPRINGS - ST1 & 2 on Page 742GRZ				

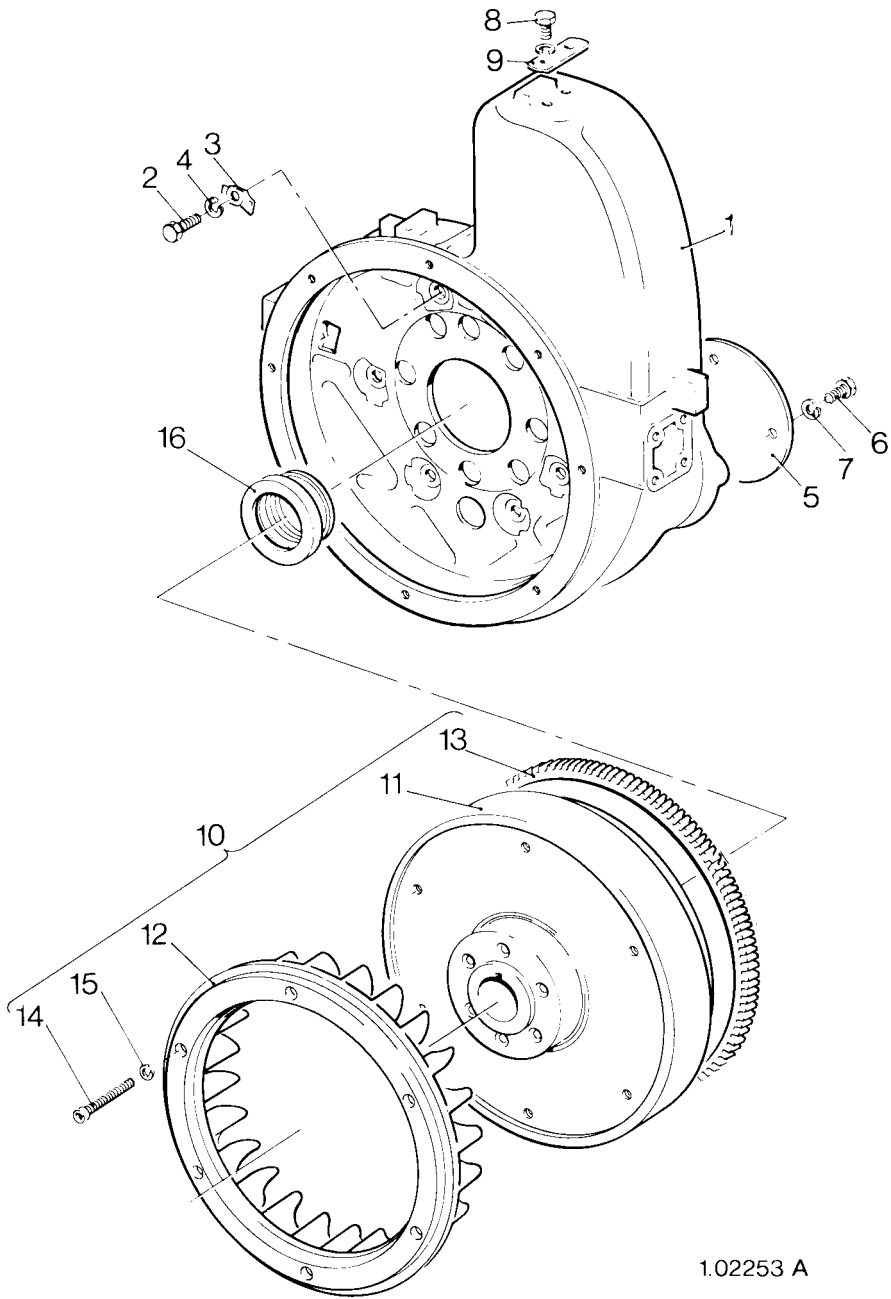


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VARIATIONS FROM BUILD ONE – BUILD 6 ©

ST1, 2 & 3 BUILD 7

Illus No.	Description	Part No.	ST		
			1	2	3
BUILD 7					
FLYWHEEL & STARTER RING					
	FLYWHEEL ASSEMBLY	570-12490	-	1	-
	As Build One plus				
	STARTER RING	202-12870	-	1	-
END COVER SPEED ADJUSTMENT					
	SEE BUILD 3 (ST3)	Items 17-21	1	1	-
GOVERNOR PARTS					
	SEE BUILD 4	Item 20	1	1	-
ANTI - CLOCKWISE ROTATION - ST3					
CLOSE COUPLED FANSHROUD - ACW					
1	FANSHROUD	202-26500	-	-	1
2	SETSCREW - 3/8" UNF x 1"	270-00073	-	-	6
3	TABWASHER	201-26540	-	-	6
4	SPRINGWASHER	202-24060	-	-	6
5	BLANKING PLATE - Electric Start Hole	201-13160	-	-	1
6	SETSCREW - 3/8" UNC x 1/2"	270-00457	-	-	3
7	SPRING WASHER	027-00393	-	-	3
8	BOLT - 3/8" UNC x 7/8"	270-00286	-	-	2
9	STRAP	202-26640	-	-	1
FLYWHEEL - ACW					
10	FLYWHEEL & FAN ASSEMBLY Comprising	570-13170	-	-	1
11	FLYWHEEL	202-80890	-	-	1
12	FAN	202-12610	-	-	1
13	STARTER RING	202-12871	-	-	1
14	BOLT - 5/16" UNF x 21/2"	270-00067	-	-	6
15	WASHER	027-00413	-	-	6
CRANKSHAFT OIL RETAINING RING - ACW					
16	OIL RETAINING RING	201-80830	-	-	1



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VARIATIONS FROM BUILD ONE—BUILD 7 ©

ST1, 2 & 3 BUILD 7

Illus No.	Description	Part No.	ST		
			1	2	3

BUILD 7 (Cont.)

CAMSHAFT - ACW

17	CAMSHAFT ASSEMBLY Comprising	203-51082	-	-	1
18	CAMSHAFT		-	-	1
19	GEARWHEEL		-	-	1
20	LOCATING PIN	201-11160	-	-	1
21	KEY - Gearwheel	027-00785	-	-	1

COWLING - ACW

22	COWLING ASSEMBLY	570-12431	-	-	1
23	BLANKING PLATE ASSEMBLY	570-12690	-	-	1
24	SETSCREW - 5/16" UNF x 3/8"	270-00172	-	-	5
25	PLAIN WASHER	027-01698	-	-	5

AUTO TYPE FUEL CONTROL

SEE BUILD 4	Items 29-44	1	-	-
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CYLINDER HEAD COVER

SEE BUILD 5	Items 1-7	1	-	-
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HEAVY FLYWHEEL FOR GEN SET

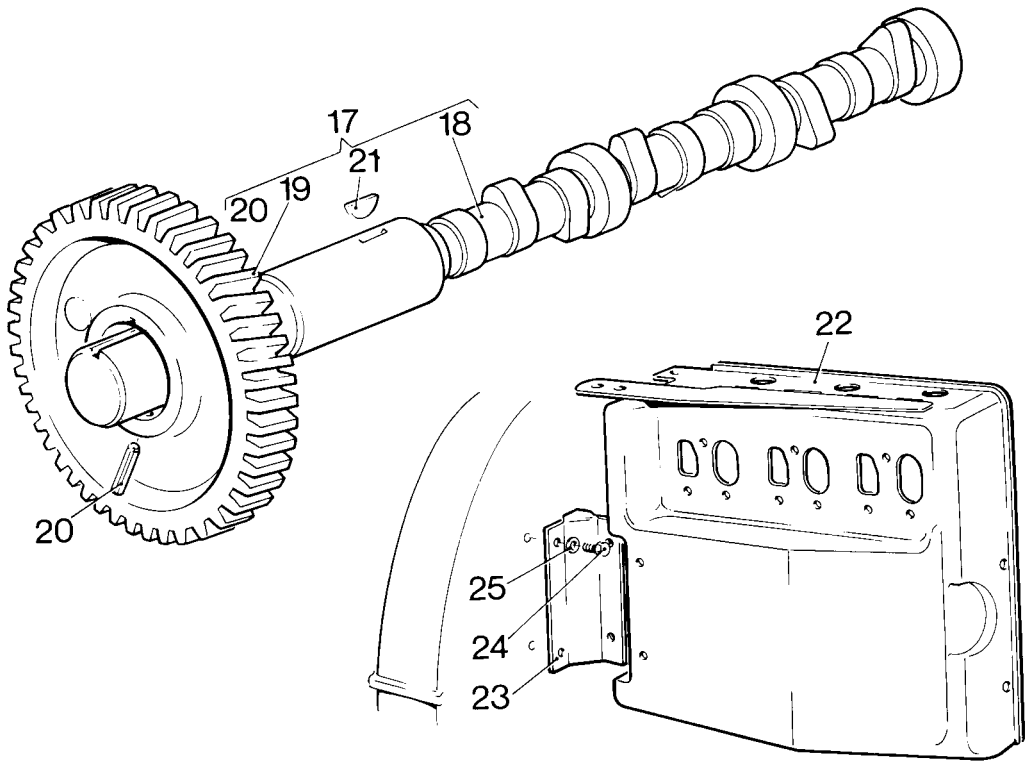
SEE BUILD 6	201-80870	1	-	-
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CLOSE COUPLED FANSHROUD

SEE BUILD 2 & 3 - ST1	Items 1-12	1	-	-
SEE BUILD 2 & 3 - ST2	Items 1-10	-	1	-

GOVERNOR WEIGHTS & SPRINGS

GOVERNOR WEIGHTS & SPRINGS - ST1 } GOVERNOR WEIGHTS & SPRINGS - ST2 } GOVERNOR WEIGHTS & SPRINGS - ST3 }	See table 2GRZ on 11GRZ Page 74 15GZY
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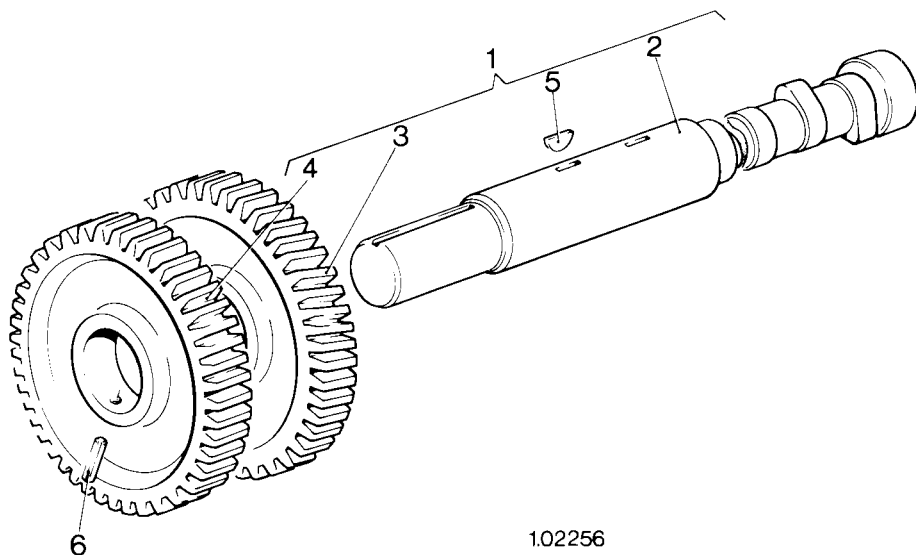
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VARIATIONS FROM BUILD ONE—BUILD 7 ©

ST1, 2 & 3 BUILD 8

Illus No.	Description	Part No.	ST			
			1	2	3	
BUILD 8						
SEMI HEAVY INDUSTRIAL FLYWHEEL						
	SEE BUILD 10	Assembly	570-13520	1	-	-
CLOSE COUPLED FANSHROUD						
	SEE BUILD 2 & 3 - ST1	Items 1-12		1	-	-
	SEE BUILD 2 & 3 - ST2	Items 1-10		-	1	-
	SEE BUILD 7	Items 1-9		-	-	1
AUTO TYPE FUEL CONTROL						
	SEE BUILD 4	Items 29-44		-	1	-
CYLINDER HEAD COVER						
	SEE BUILD 5	Items 1-7		-	1	-
	FLYWHEEL & STARTER RING	570-12490		-	1	-
	As Build One plus					
	STARTER RING	202-12870		-	1	-
END COVER						
	SEE BUILD 4	Items 7-11		-	-	1
FLYWHEEL& FAN - ACW						
	SEE BUILD 7	Assembly	570-13170	-	-	1
CRANKSHAFT OIL RETAINING RING - ACW						
	SEE BUILD 7	201-80830		-	-	1
COWLING - ACW						
	SEE BUILD 7	Items 22-25		-	-	1
END COVER SPEED ADJUSTMENT						
	SEE BUILD 3 (ST3)	Items 17-21		1	1	-
GOVERNOR PARTS						
	SEE BUILD 4	Item 20		1	1	-

ST1, 2 & 3 BUILD 8



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VARIATIONS FROM BUILD ONE – BUILD 8 ©

Illus No.	Description	Part No.	ST		
			1	2	3

BUILD 8 (Cont.)

HYDRAULIC PUMP DRIVE CAMSHAFT-ACW

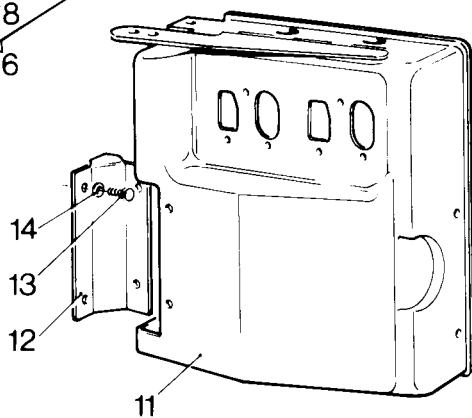
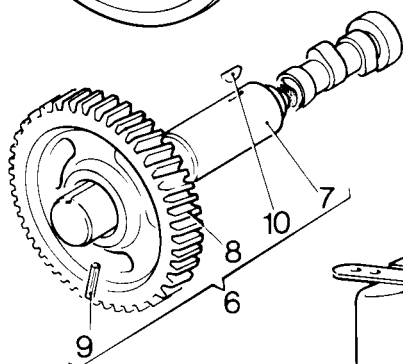
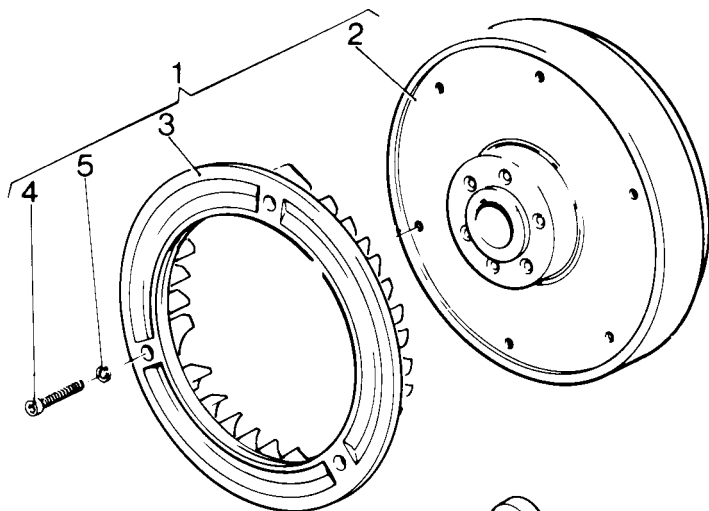
1	CAMSHAFT & GEAR WHEEL ASSEMBLY Comprising	203-81100	-	-	1
2	CAMSHAFT		-	-	1
3	GEARWHEEL		-	-	1
4	GEARWHEEL		-	-	1
5	KEY	027-00785	-	-	2
6	DOWEL PIN	201-11160	-	-	2

GOVERNOR WEIGHTS & SPRINGS

GOVERNOR WEIGHTS & SPRINGS - ST1	See table	2GRZ
GOVERNOR WEIGHTS & SPRINGS - ST2	on	11GRZ
GOVERNOR WEIGHTS & SPRINGS - ST3	Page 74	17GZY

ST1, 2 & 3 BUILD 9

Illus No.	Description	Part No.	ST		
			1	2	3
BUILD 9					
FLYWHEEL & FAN - ACW					
1	FLYWHEEL & FAN ASSEMBLY	570-12500	-	1	-
2	FLYWHEEL	202-80890	-	1	-
3	FAN	202-70100	-	1	-
4	CAPSCREW - 5/16" UNF x 2"	270-00617	-	3	-
5	SPRINGWASHER	027-00413	-	3	-
CAMSHAFT - ACW					
6	CAMSHAFT ASSEMBLY	202-51082	-	1	-
7	CAMSHAFT		-	1	-
8	GEARWHEEL		-	1	-
9	LOCATING PIN	201-11160	-	1	-
10	KEY	027-00785	-	1	-
COWLING					
11	COWLING ASSEMBLY	570-12420	-	1	-
12	BLANKING PLATE ASSEMBLY	570-12690	-	1	-
13	SETSCREW - 0.19" UNF x 3/8"	270-00172	-	5	-
14	PLAIN WASHER	027-01698	-	2	-
END COVER SPEED ADJUSTMENT					
	SEE BUILD 3 (ST3)	Items 17-21	1	-	-
GOVERNOR PARTS					
	SEE BUILD 4	Item 20	1	-	-



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VARIATIONS FROM BUILD ONE—BUILD 9 ©

ST1, 2 & 3 BUILD 9

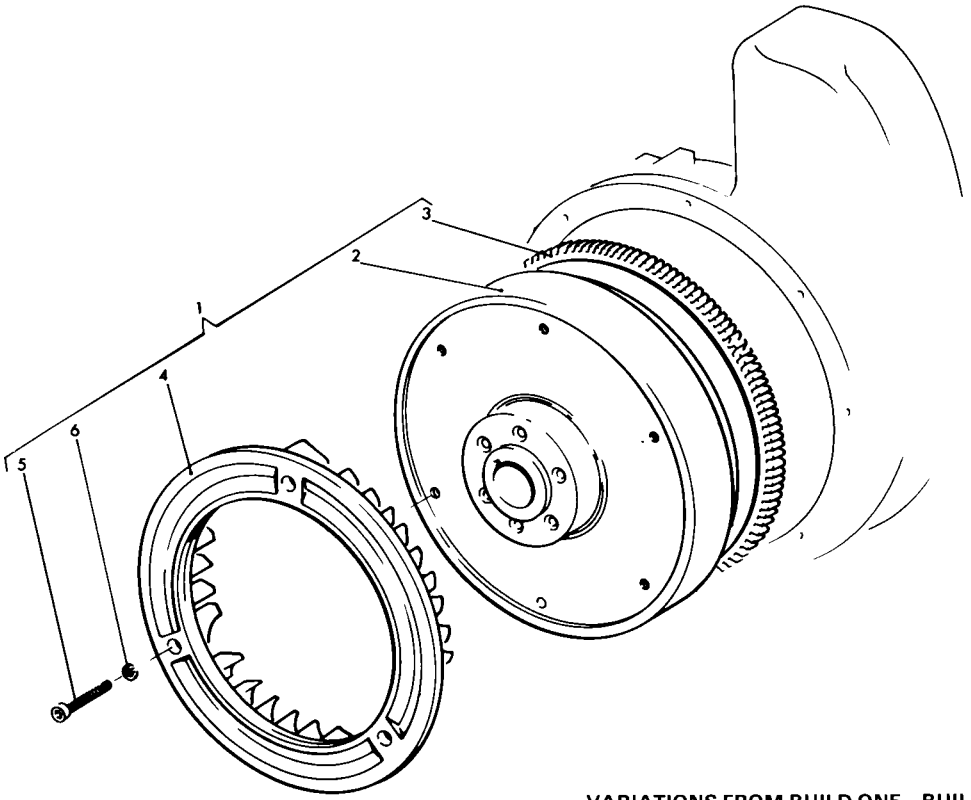
Illus No.	Description	Part No.	ST			
			1	2	3	
BUILD 9 (Cont.)						
SEMI HEAVY INDUSTRIAL FLYWHEEL						
SEE BUILD 10	..... Assembly	570-13520	1	-	-
CLOSE COUPLED FANSHROUD						
SEE BUILD 2 & 3	.....	Items 1-12	1	-	-
ANTI - CLOCKWISE ROTATION - ST2 & ST3						
CLOSE COUPLED FANSHROUD - ACW						
SEE BUILD 7	.....	Items 1-9	-	1	1
CRANKSHAFT OIL RETAINING RING - ACW						
SEE BUILD 7	.....	201-80830	-	1	1
CAMSHAFT - ACW						
SEE BUILD 7	..... Assembly	203-51082	-	-	1
COWLING - ACW						
SEE BUILD 7	.....	Items 22-25	-	-	1
FLYWHEEL - ACW						
SEE BUILD 7	..... Assembly	570-13170	-	-	1
GOVERNOR WEIGHTS & SPRINGS						
GOVERNOR WEIGHTS & SPRINGS - ST1	} See table	.....	11GRZ		
GOVERNOR WEIGHTS & SPRINGS - ST2		on	17GZY		
GOVERNOR WEIGHTS & SPRINGS - ST3		Page 74	11GRZ		

ST1 BUILD 10

Illus No.	Description	Part No.	ST 1
BUILD 10			
AUTO TYPE FUEL SYSTEM			
SEE BUILD 4	Items 29-44	1
CYLINDER HEAD COVER			
SEE BUILD 5	ITEMS 1-7	1
SEMI - HEAVY INDUSTRIAL FLYWHEEL & STARTER RING			
FLYWHEEL & STARTER RING ASSEMBLY	Comprising:	570-13520	1
FLYWHEEL	201-81012	1
STARTER RING	201-12870	1
CLOSE COUPLED FANSHROUD			
SEE BUILD 2 & 3 - ST1	Items 1-12	1
END COVER SPEED ADJUSTMENT			
SEE BUILD 3 (ST3)	Items 17-21	1
GOVERNOR PARTS			
SEE BUILD 4	Item 20	1
GOVERNOR WEIGHTS & SPRINGS			
GOVERNOR WEIGHTS & SPRINGS - See table on page 74			11GRZ

ST2 BUILD 10

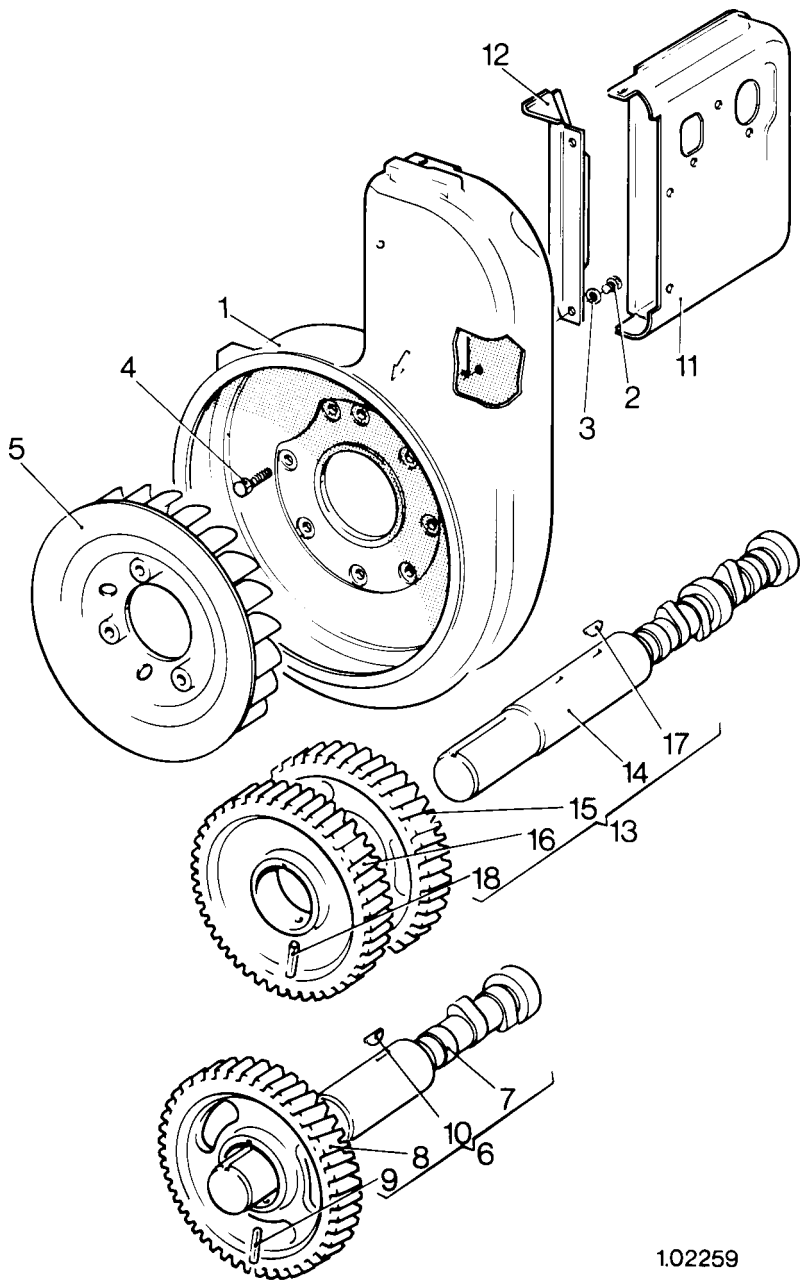
Illus No.	Description	Part No.	ST
	BUILD 10 (Cont.)		2
	CLOSE COUPLED FANSHROUD - ACW		
	SEE BUILD 7 Items 1-9		1
	CRANKSHAFT OIL RETAINING RING - ACW		
	SEE BUILD 7 201-80830		1
	CAMSHAFT		
	SEE BUILD 9 Assembly	202-51082	1
	COWLING		
	SEE BUILD 9 Items 11-14		1
	FLYWHEEL		
1	FLYWHEEL, FAN & RING ASSEMBLY Comprising	570-12510	1
2	FLYWHEEL	202-80890	1
3	STARTER RING	202-12871	1
4	FAN	202-70100	1
5	CAPSCREW - 5/16" UNF x 2"	270-00617	3
6	SPRING WASHER	027-00413	3
	GOVERNOR WEIGHTS & SPRINGS		
	GOVERNOR WEIGHTS & SPRINGS - See table on Page 74	17GZY	



VARIATIONS FROM BUILD ONE—BUILD 10 ©

ST1 & 2 BUILD 1 1

Illus No.	Description	Part No.	ST	
			1	2
BUILD 11				
ANTI - CLOCKWISE ROTATION - ST1				
ALLOY FANSHROUD - Not close coupled				
1	FANSHROUD	201-80820	1	-
2	SETSCREW - 5/16" UNF x 3/8"	270-00172	5	-
3	PLAIN WASHER	027-01698	5	-
4	SETSCREW - Fan Shroud & Main Bearing Housing to - - Crankcase - 5/16" UNF x 1"	270-00061	8	-
FAN - ACW				
5	FAN	201-80840	1	-
CAMSHAFT - ACW				
6	CAMSHAFT ASSEMBLY Comprising	201-80780	1	-
7	CAMSHAFT		1	-
8	GEARWHEEL		1	-
9	LOCATING PIN	201-11160	1	-
10	KEY	027-00785	1	-
COWLING				
11	AIR COWLING ASSEMBLY	201-80800	1	-
12	BLANKING PLATE ASSEMBLY	570-12680	1	-
HYDRAULIC PUMP DRIVE, CAMSHAFT & END COVER - ACW				
13	CAMSHAFT & GEARWHEEL ASSEMBLY Comprising	202-81100	-	1
14	CAMSHAFT		-	1
15	GEARWHEEL		-	1
16	GEARWHEEL		-	1
17	KEY	027-00785	-	2
18	DOWEL PIN	201-11160	-	2



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VARIATIONS FROM BUILD ONE—BUILD 11 ©

ST1 & 2 BUILD 11

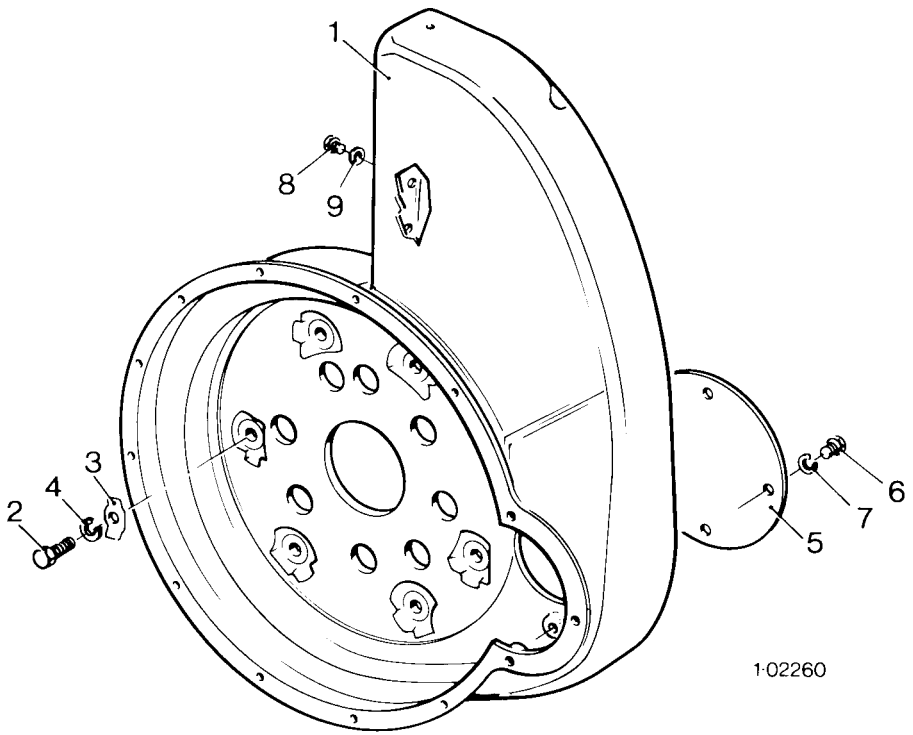
Description	Part No.	ST	
		1	2
BUILD 11 (Cont.)			
CRANKSHAFT OIL RETAINING RING - ACW			
SEE BUILD 7	201-80830	1	1
END COVER			
SEE BUILD 4	Items 7-11	-	1
COWLING			
SEE BUILD 9	Items 11-14	-	1
CLOSE COUPLED FANSHROUD - ACW			
SEE BUILD 7	Items 1-9	-	1
FLYWHEEL			
SEE BUILD 10	Assembly 570-12510	-	1
GOVERNOR WEIGHTS & SPRINGS			
GOVERNOR WEIGHTS & SPRINGS - ST1	} See table 15GZZ on Page 74 17GZY		
GOVERNOR WEIGHTS & SPRINGS - ST2			

ST1 & 2 BUILD 12

Description	Part No.	ST	
		1	2
BUILD 12			
CAMSHAFT ASSEMBLY - ACW			
SEE BUILD 11 Assembly	201-80780	1	-
COWLING - ACW			
SEE BUILD 11 Items 11-12		1	-
CRANKSHAFT OIL RETAINING RING - ACW			
SEE BUILD 7	201-80830	1	1
FAN - ACW			
SEE BUILD 11	201-80840	1	-
CAMSHAFT - ACW			
SEE BUILD 9 Assembly	202-51082	-	1
COWLING - ACW			
SEE BUILD 9	Items 11-14	-	1
FANSHROUD - ACW			
SEE BUILD 7	Items 1-9	-	1
FLYWHEEL - ACW			
SEE BUILD 10 Assembly	570-12510	-	1
GOVERNOR WEIGHTS & SPRINGS			
GOVERNOR WEIGHTS & SPRINGS - ST1	} Seetable 15GZZ on Page 74 11GRZ		
GOVERNOR WEIGHTS & SPRINGS - ST2			

ST1 & 2 BUILD 12

Illus No.	Description	Part No.	ST	
			1	2
BUILD 12 (Cont.)				
CLOSE COUPLED FANSHROUD - ACW				
1	FANSHROUD	201-26501	1	-
2	SETSCREW - Fanshroud to Crankcase 3/8" UNF x 1"	270-00073	6	-
3	TAB WASHER	201-26540	6	-
4	SPRING WASHER	202-24060	6	-
5	BLANKING PLATE - Electric Start Hole	201-13160	1	-
6	SETSCREW - 3/8"UNF x 5/8"	270-00161	3	-
7	SPRING WASHER	027-00393	3	-
8	SETSCREW -			
-	1/4" UNC x 1/2" } For blanking off	270-00376	2	-
9	WASHER } Air Duct Holes	291-26090	2	-

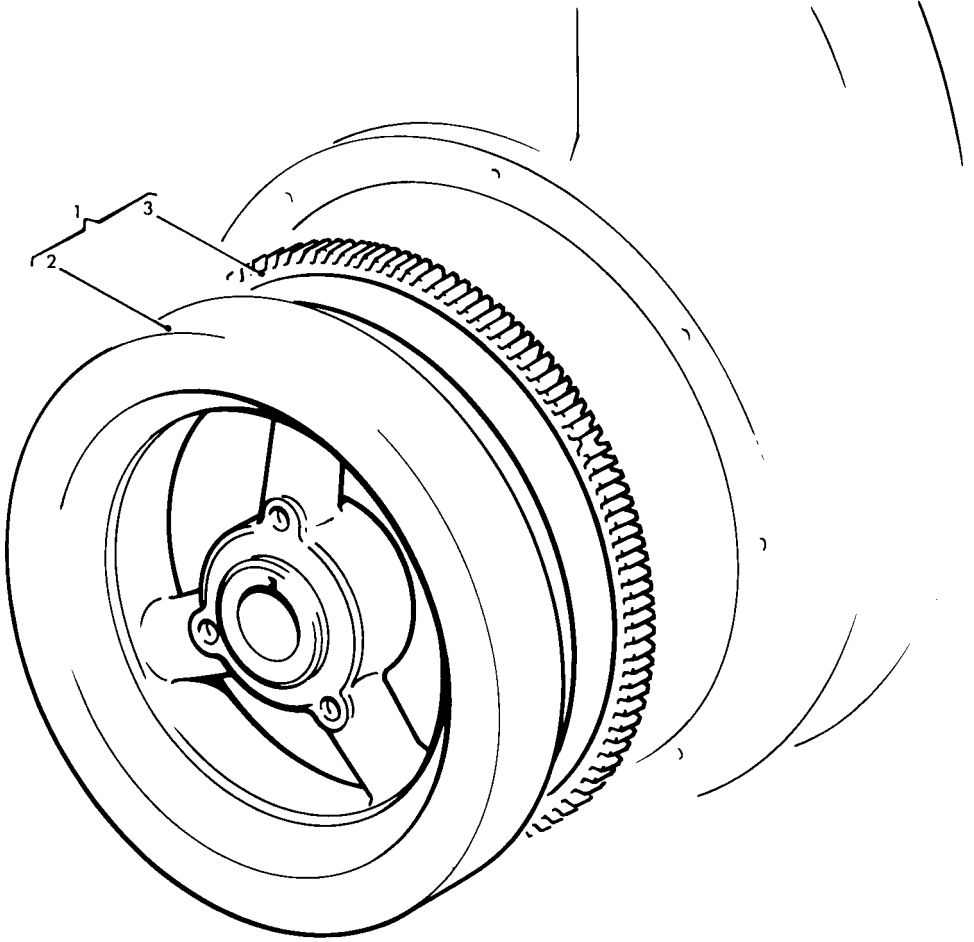


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VARIATIONS FROM BUILD ONE – BUILD 12 ©

ST1 BUILD 13

Illus No.	Description	Part No.	ST
BUILD 13			
FLYWHEEL - ACW			
1	FLYWHEEL ASSEMBLY Comprising	570-12360	1
2	FLYWHEEL	201-80890	1
3	GEAR RING	201-12871	1
CLOSE COUPLED FANSHROUD - ACW			
	SEE BUILD 12	Items 1-9	1
CAMSHAFT - ACW			
	SEE BUILD 11	Assembly 201-80780	1
COWLING - ACW			
	SEE BUILD 11	Items 11-12	1
CRANKSHAFT OIL RETAINING RING - ACW			
	SEE BUILD 7	201-80830	1
FAN - ACW			
	SEE BUILD 11	201-80840	1
GOVERNOR WEIGHTS & SPRINGS			
	GOVERNOR WEIGHTS & SPRINGS - See Table Page 74	15GZZ	



VARIATIONS FROM BUILD ONE – BUILD 13 ©

ST1 BUILD 14

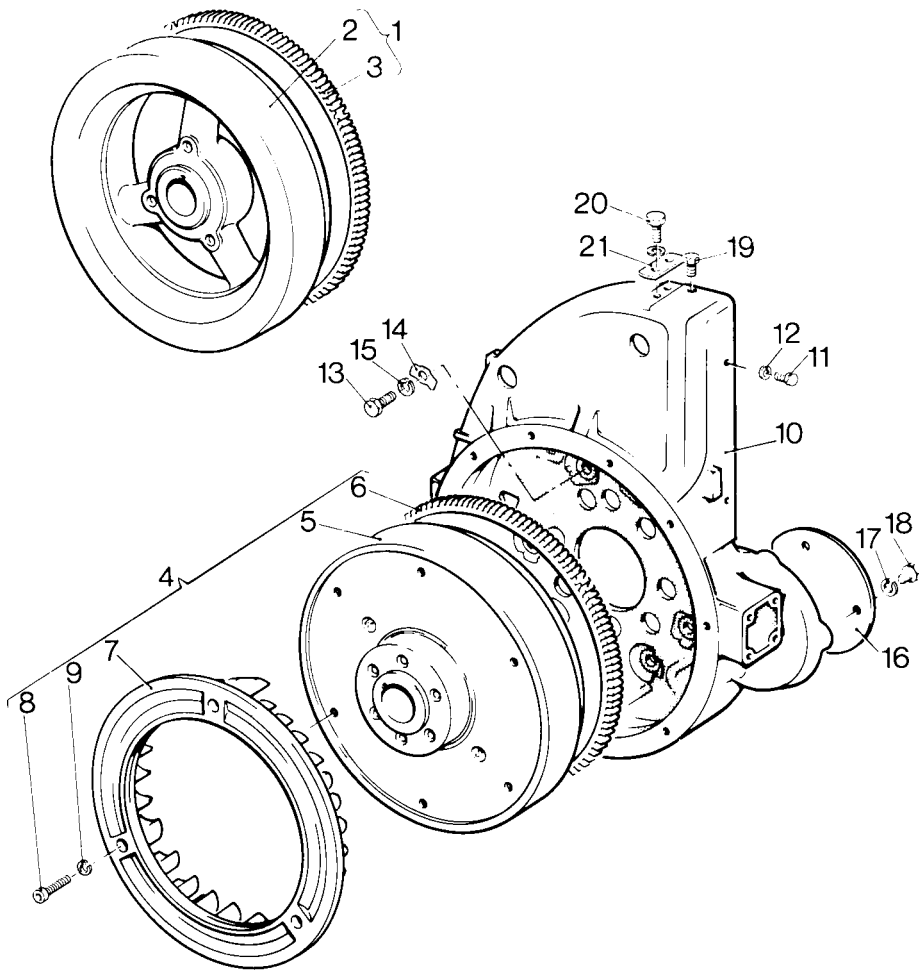
Description	Part No.	ST 1
BUILD 14		
SEMI HEAVY FLYWHEEL		
SEE BUILD 5	201-81012	1
CLOSE COUPLED FANSHROUD - ACW		
SEE BUILD 12	Items 1-9	1
CAMSHAFT - ACW		
SEE BUILD 11	Assembly 201-80780	1
COWLING - ACW		
SEE BUILD 11	Items 11-12	1
CRANKSHAFT OIL RETAINING RING - ACW		
SEE BUILD 7	201-80830	1
FAN - ACW		
SEE BUILD 11	201-80840	1
GOVERNOR WEIGHTS & SPRINGS		
GOVERNOR WEIGHTS & SPRINGS - See Table Page 74 15G77		

ST1 BUILD 15

Description	Part No.	ST
BUILD 15		
CAMSHAFT - ACW		
SEE BUILD 11 Assembly	201-80780	1
COWLING - ACW		
SEE BUILD 11 Items 11-12		1
FAN - ACW		
SEE BUILD 11 201-80840		1
CRANKSHAFT OIL RETAINING RING - ACW		
SEE BUILD 7 201-80830		1
CLOSE COUPLED FANSHROUD - ACW		
SEE BUILD 12 Items 1-9		1
SEMI - HEAVY FLYWHEEL & STARTER RING		
FLYWHEEL & STARTER RING		
ASSEMBLY Comprising	570-13530	1
FLYWHEEL	201-81012	1
STARTER RING	201-12871	1
GOVERNOR WEIGHTS & SPRINGS		
GOVERNOR WEIGHTS & SPRINGS - See Table Page 74	11GRZ	

ST1, 2 & 3 BUILD 20

Illus No.	Description	Part No.	ST		
			1	2	3
BUILD 20					
FLYWHEEL					
1	FLYWHEEL ASSEMBLY Comprising	570-12400	1	-	-
2	FLYWHEEL	201-80900	1	-	-
3	STARTER RING	201-12870	1	-	-
4	FLYWHEEL, FAN & RING ASSEMBLY Comprising	570-12450	-	1	1
5	FLYWHEEL	202-80390	-	1	1
6	STARTER RING	202-12870	-	1	1
7	FAN	202-70070	-	1	1
8	CAPSCREW - 5/16" UNF x 2"	270-00617	-	3	3
9	SPRING WASHER	027-00413	-	3	3
CLOSE COUPLED FANSHROUD					
	SEE BUILD 2 & 3 - ST1	Items 1-12	1	-	-
	SEE BUILD 2 & 3 - ST2	Items 1-10	-	1	-
FANSHROUD - Oii Cooler					
10	FANSHROUD	203-81830	-	-	1
11	SETSCREW - 5/16" UNC x 1/2"	270-00531	-	-	3
12	WASHER	616-01608	-	-	3
13	SETSCREW - Fanshroud to Crankcase 3/8" UNF x 1"	270-00073	-	-	6
14	TABWASHER	201-26540	-	-	6
15	SPRING WASHER	202-24060	-	-	6
16	BLANKING PLATE - Electric Start Hole	201-13160	-	-	1
17	SPRING WASHER - 1 for item 20	027-00393	-	-	4
18	BOLT - 3/8" UNC x 1/2"	270-00457	-	-	3
19	BOLT - 0.19" UNF x 3/8"	270-00172	-	-	3
20	BOLT - 3/8" UNC x 7/8"	270-00286	-	-	2
21	STRAP	202-26440	-	-	1

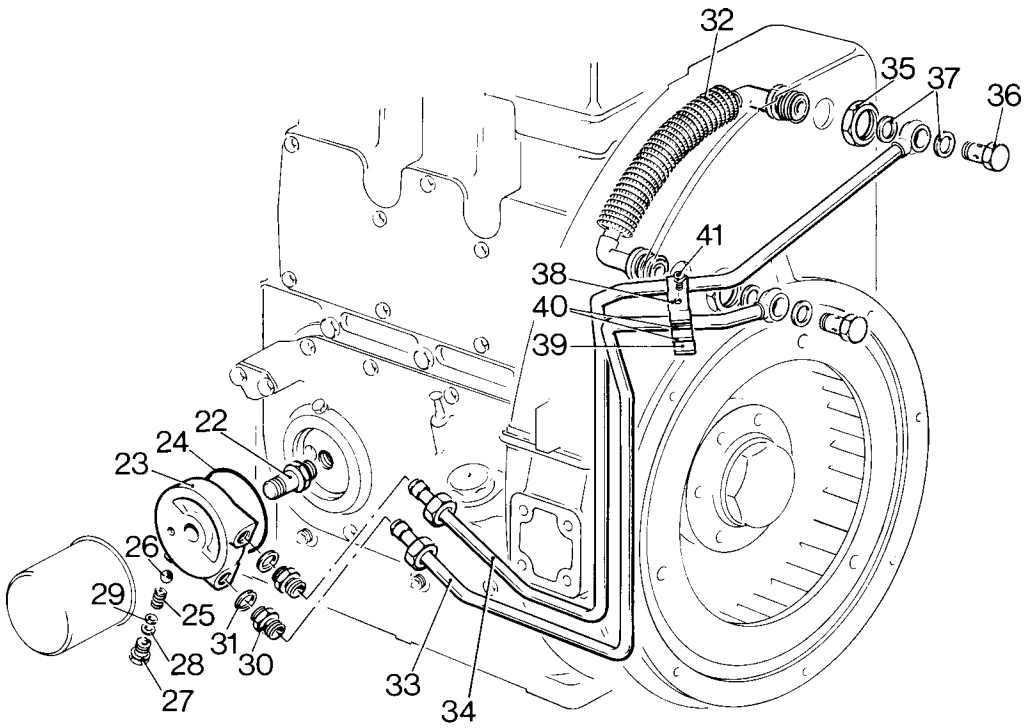


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VARIATIONS FROM BUILD ONE—BUILD 20 ©

ST1, 2 & 3 BUILD 20

Illus No.	Description	Part No.	ST		
			1	2	3
BUILD 20 (Cont.)					
BACK PLATE - Oil Filter & Cooler					
22	UNION - Oil Filter	203-81730	-	-	1
23	BACK PLATE - Filter	203-81740	-	-	1
24	'O' RING	354-29620	-	-	1
25	SPRING - Relief Valve	203-81750	-	-	1
26	BALL	027-04081	-	-	1
27	LOCATING PLUG - Spring	203-81760	-	-	1
28	WASHER - Locating Plug	201-11890	-	-	1
29	PACKING WASHER - Relief Valve Spring	291-26090		AS REQD	
30	UNION - 1/2" to 3/8" BSP	352-28760	-	-	2
31	UNION WASHER	013-22350	-	-	2
OIL COOLER & PIPES					
32	OIL COOLER ASSEMBLY	203-81780	-	-	1
33	PIPE - Filter to Cooler	203-81770	-	-	1
34	PIPE - Cooler to Filter	203-81800	-	-	1
35	NUT - Oil Cooler Connection	027-00689	-	-	2
-	NUT - Oil Cooler Connection or	027-01996	-	-	2
36	PLUG - Swivel Union	366-00954	-	-	2
37	WASHER - Swivel Union Plug	291-30630	-	-	4
38	PIPE CLAMP	203-81810	-	-	1
39	BACKING STRIP - Pipe Clamp	203-81820	-	-	1
40	FELT - Pipe Clamp	291-33900	-	-	2
41	SETSCREW - Pipe Clamp 1/4" UNF x 1/2"	270-00162	-	-	1
GOVERNOR WEIGHTS & SPRINGS					
GOVERNOR WEIGHTS & SPRINGS - ST1		} See table	15GZZ		
GOVERNOR WEIGHTS & SPRINGS - ST2			on 15GZY		
GOVERNOR WEIGHTS & SPRINGS - ST3			Page 74 15GZY		

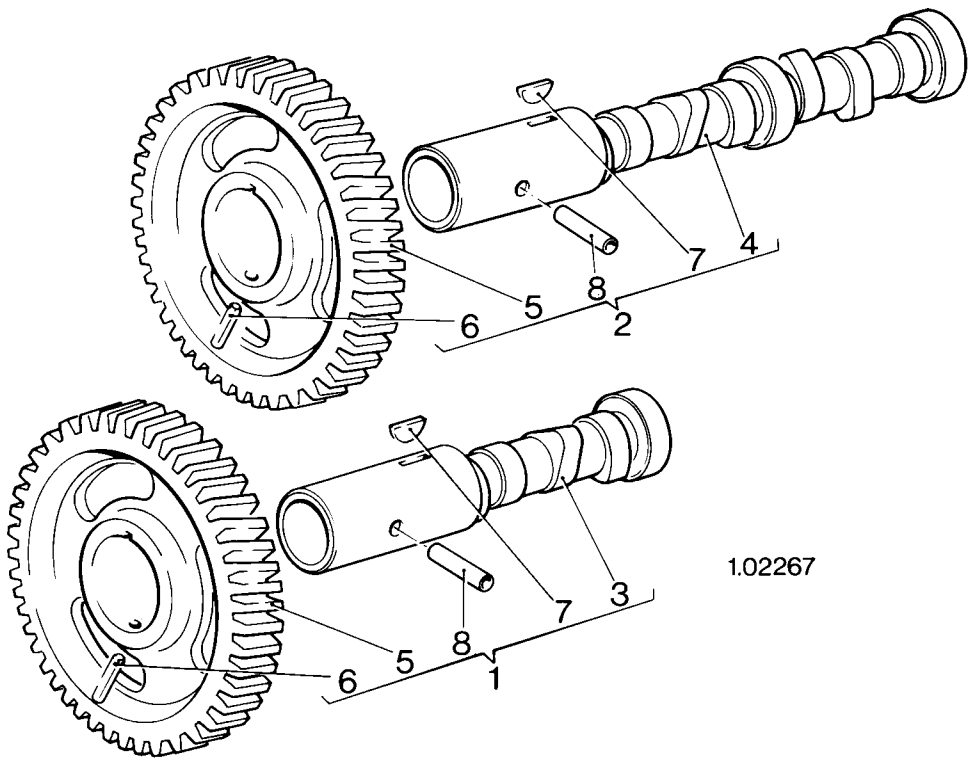


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VARIATIONS FROM BUILD ONE – BUILD 20 ©

ST1, 2 & 3 BUILD 21

Illus No.	Description	Part No.	ST		
			1	2	3
BUILD 21					
CAMSHAFT - Internal Start					
CAMSHAFT & GEARWHEEL ASSEMBLY Comprising					
1	ASSEMBLY Comprising - ST1	201-81040	1	-	-
2	ASSEMBLY Comprising - ST2	202-81040	-	1	-
3	CAMSHAFT - ST1		1	-	-
4	CAMSHAFT - ST2		-	1	-
5	GEARWHEEL		1	1	-
6	DOWEL PIN	201-11160	1	1	-
7	KEY	027-00785	1	1	-
8	CATCH PIN	201-54470	1	1	-
CLOSE COUPLED FANSHROUD					
	SEE BUILD 2	Items 1-10	-	1	1
FLYWHEEL & STARTER RING					
	SEE BUILD 2	Assembly 570-13150	-	-	1
	SEE BUILD 3	Assembly 570-12490	-	1	-
PARTS FOR LONG RUNNING ENGINES					
-	CRANKCASE	366-06577	-	-	1
-	REDUCING PLUG-Fit under Door Face 3/4" BSP tapped 1/2" BSP	366-04160	-	-	1
-	TAPER PLUG - 1/2" BSP - fits into 366-04160	027-00140	-	-	1
-	TAPER PLUG - 1 1/4"BS P - Manifold side	027-04520	-	-	1
END COVER SPEED ADJUSTMENT					
	SEE BUILD 3 (ST3)	Items 17-21	-	-	1
GOVERNOR WEIGHTS & SPRINGS					
	GOVERNOR WEIGHTS & SPRINGS - ST1 } GOVERNOR WEIGHTS & SPRINGS - ST2 } GOVERNOR WEIGHTS & SPRINGS - ST3 }	See table on Page 74	15GZZ 17GZY 2GRZ		

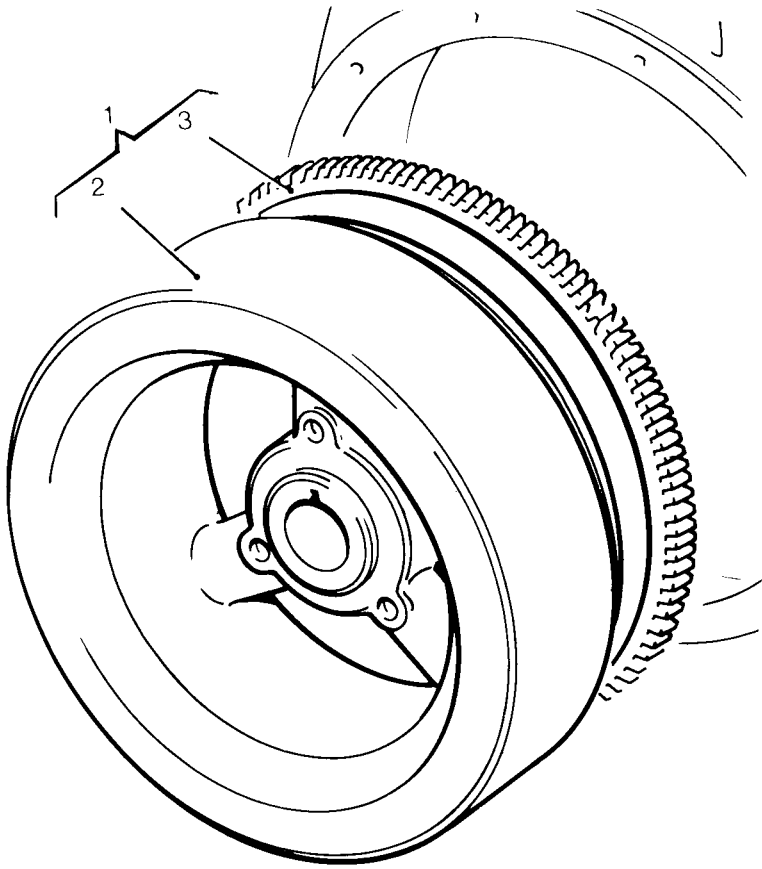


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VARIATIONS FROM BUILD ONE—BUILD 21 ©

ST1 BUILD 22

Illus No.	Description	Part No.	ST
BUILD 22			
FLYWHEEL & STARTER RING			
1	FLYWHEEL & STARTER RING ASSEMBLY Comprising	570-12380	1
2	FLYWHEEL	201-80870	1
3	STARTER RING	201-12870	1
CLOSE COUPLED FANSHROUD			
	SEE BUILD 2 & 3 - ST1	Items 1-12	1
END COVER SPEED ADJUSTMENT			
	SEE BUILD 3 (ST3)	Items 17-21	1
GOVERNOR PARTS			
	SEE BUILD 4	Item 20	1
GOVERNOR WEIGHTS & SPRINGS			
	GOVERNOR WEIGHTS & SPRINGS - See table on page 742GRZ		

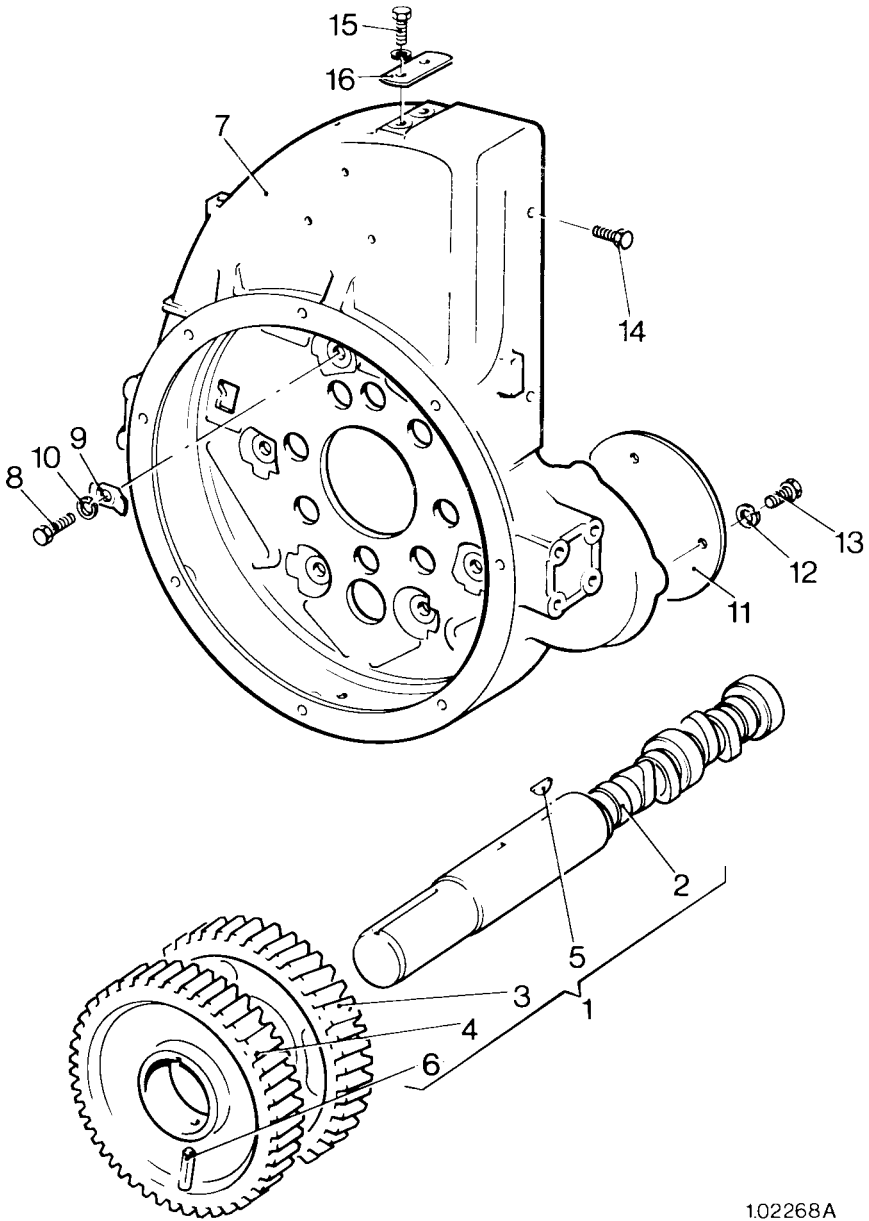


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VARIATIONS FROM BUILD ONE—BUILD 22 ©

ST2 & 3 BUILD 22

Illus No.	Description	Part No.	ST	
			2	3
BUILD 22				
CAMSHAFT & GEARWHEEL - Hydraulic Pump Drive				
1	CAMSHAFT & GEARWHEEL ASSEMBLY Comprising.....	202-81080	1	-
2	CAMSHAFT		1	-
3	GEARWHEEL		1	-
4	GEARWHEEL		1	-
5	KEY	027-00785	2	-
6	DOWEL PIN	201-11160	2	-
CLOSE COUPLED FANSHROUD - Marine				
7	FANSHROUD	202-26510	-	1
8	SETSCREW - 3/8" UNF x 1"	270-00073	-	6
9	TAB WASHER	201-26540	-	6
10	SPRING WASHER	202-24060	-	6
11	BLANKING PLATE - Electric Start Hole	201-13160	-	1
12	SPRING WASHER	027-00393	-	3
13	BOLT - 3/8" UNC 1/2"	270-00457	-	3
14	BOLT - 0.19" UNF x 3/8"	270-00172	-	3
15	BOLT - 3/8" UNC x 7/8"	270-00286	-	2
16	STRAP	202-26640	-	1
END COVER				
	SEE BUILD 4	Items 7-11	1	-
FLYWHEEL, FAN & STARTER RING				
	SEE BUILD 3 - ST2	Assembly 570-12490	1	-
	SEE BUILD 3 - ST3	Assembly 570-13150	-	1
CLOSE COUPLED FANSHROUD				
	SEE BUILD 2 & 3 - ST2 & 3	Items 1-10	1	-
GOVERNOR WEIGHTS & SPRINGS				
	- ST2 & 3 - See table on Page 74	17GZY		



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VARIATIONS FROM BUILD ONE—BUILD 22 ©

ST1, 2 & 3 BUILDS 23

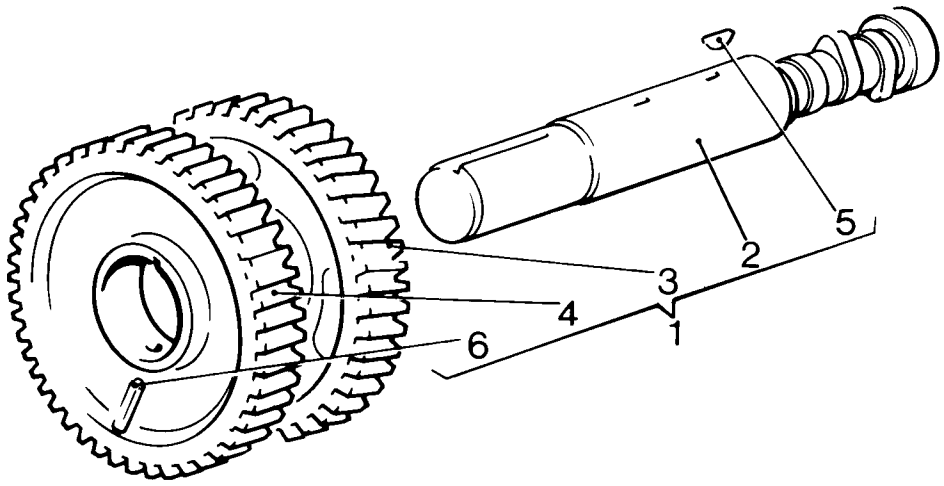
Illus No.	Description	Part No.	ST		
			1	2	3
BUILD 23					
CRANKSHAFT - Triple Survey					
CRANKSHAFT ASSEMBLY - ST1	} Comprising	570-13191	1	-	-
CRANKSHAFT ASSEMBLY - ST3		570-12301	-	-	1
Identical to Build 01					
CRANKSHAFT - ST1	} but surveyed by Lloyds		1	-	-
CRANKSHAFT - ST3		Register of Shipping, Bureau		-	-	1
BALANCE WEIGHT	} Veritas & Norsk Veritas		-	-	4
SCREW - Balance Weight 3/8" UNF x 11/8" ...		270-00185	-	-	4
EXPANSION PLUG		351-40190	1	-	3
CYLINDER BARREL - Survey					
CYLINDER BARREL		201-80062	1	-	3
CLOSE COUPLED FANSHROUD					
SEE BUILD 2 & 3 - ST1		Items 1-12	1	-	-
CLOSE COUPLED FANSHROUD - MARINE					
SEE BUILD 22 - ST3		Items 7-16	-	1	1
FLYWHEEL & STARTER RING					
SEE BUILD 3 - ST1		Assembly 570-12340	1	-	-
SEE BUILD 3 - ST2		Assembly 570-12490	-	1	-
SEE BUILD 2 - ST3		Assembly 570-13150	-	-	1
CRANKCASE					
CRANKCASE		366-06577	-	-	1
REDUCING PLUG - Under Door Face		366-04160	-	-	1
TAPER PLUG - Fits 366-04160		027-00140	-	-	1
TAPER PLUG - 1" Manifold Side		027-00142	-	-	1
GOVERNOR WEIGHTS & SPRINGS					
GOVERNOR WEIGHTS & SPRINGS - ST1	} See table	..... 15GZZ			
GOVERNOR WEIGHTS & SPRINGS - ST2 & 3			on Page 74 ... 17GZY		

ST1, 2 & 3 BUILDS 24

Illus No.	Description	Part No.	ST		
			1	2	3
BUILD 24					
CLOSE COUPLED FANSHROUD					
	SEE BUILD 2 & 3 - ST1	Items 1-12	1	-	-
	SEE BUILD - ST3	Items 1-10	-	-	1
	SEE BUILD 22 (Marine)	Items 7-14	-	1	-
FLYWHEEL & STARTER RING					
	SEE BUILD 10	Assembly 570-13520	1	-	-
	SEE BUILD 3 - ST2	Assembly 570-12490	-	1	-
	SEE BUILD 2 & 3 - ST3	Assembly 570-13150	-	-	1
CRANKSHAFTS & BARRELS - Survey					
	SEE BUILD 23		1	-	1
END COVER SPEED ADJUSTMENT					
	SEE BUILD 3 (ST3)	Items 17-21	1	-	1
GOVERNOR PARTS					
	SEE BUILD 4	Item 20	1	-	-
GOVERNOR WEIGHTS & SPRINGS					
	GOVERNOR WEIGHTS & SPRINGS - ST1	} See table 11GRZ on 17GZY Page 74 11GRZ			
	GOVERNOR WEIGHTS & SPRINGS - ST2				
	GOVERNOR WEIGHTS & SPRINGS - ST3				

ST1, BUILD 25

Illus No.	Description	Part No.	ST
	BUILD 25		1
	CAMSHAFT - ACW - Hydraulic Pump Gear Drive		
1	CAMSHAFT & GEARWHEEL ASSEMBLY Comprising	201-81100	1
2	CAMSHAFT		1
3	GEARWHEEL		1
4	GEARWHEEL		1
5	KEY	027-00785	2
6	DOWEL PIN	201-11160	2
	END COVER		
	SEE BUILD 4	Items 7-11	1
	CLOSE COUPLED FANSHROUD - ACW		
	SEE BUILD 12	Items 1-9	1
	COWLING - ACW		
	SEE BUILD 11	Items 11-12	1
	FAN - ACW		
	SEE BUILD 11	201-80840	1
	CRANKSHAFT OIL RETAINING RING		
	SEE BUILD 7	201-80830	1
	SEMI HEAVY FLYWHEEL		
	SEE BUILD 5	201-81012	1

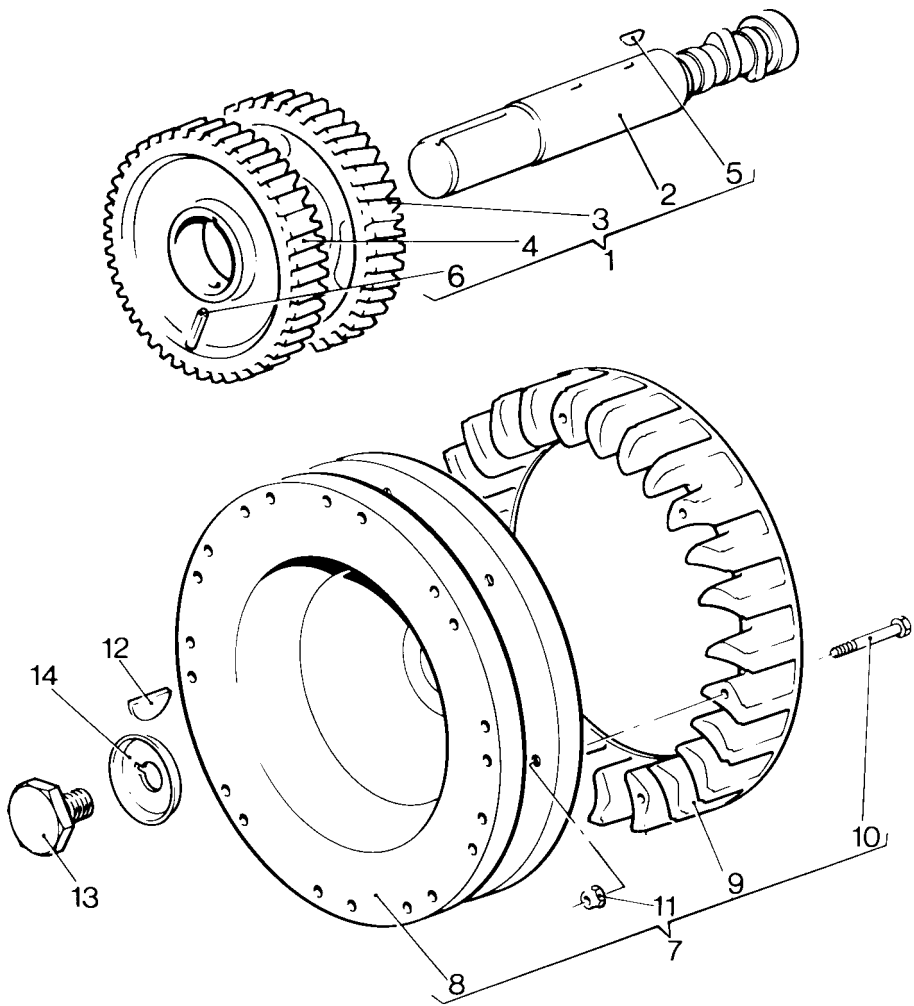


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VARIATIONS FROM BUILD ONE – BUILD 25 ©

ST2 & 3 BUILD 25

Illus No.	Description	Part No.	ST	
			2	3
BUILD 25 (Cont.)				
FLYWHEEL & FAN ASSEMBLY				
7	FLYWHEEL & FAN ASSEMBLY Comprising	737-12330	1	-
8	FLYWHEEL	737-11151	1	-
9	FAN	202-12610	1	-
10	BOLT - 5/16" UNF x 31/2"	270-00730	6	-
11	NUT - Self Locking 5/16" U N F	270-00154	6	-
-	FLYWHEEL & FAN ASSEMBLY Comprising	737-12340	-	1
8	FLYWHEEL	737-11151	-	1
-	FAN & GEAR RING ASSEMBLY Comprising	737-11220	-	1
-	FAN	737-11210	-	1
-	GEAR RING	202-12870	-	1
10	BOLT - 5/16" UNF x 31/2"	270-00730	-	6
11	NUT - Self Locking 5/16" UNF	270-00154	-	6
12	KEY - Flywheel	201-80550	1	1
13	RETAINING SCREW - Flywheel	201-80470	1	1
14	LOCK WASHER - Flywheel	201-80460	1	1

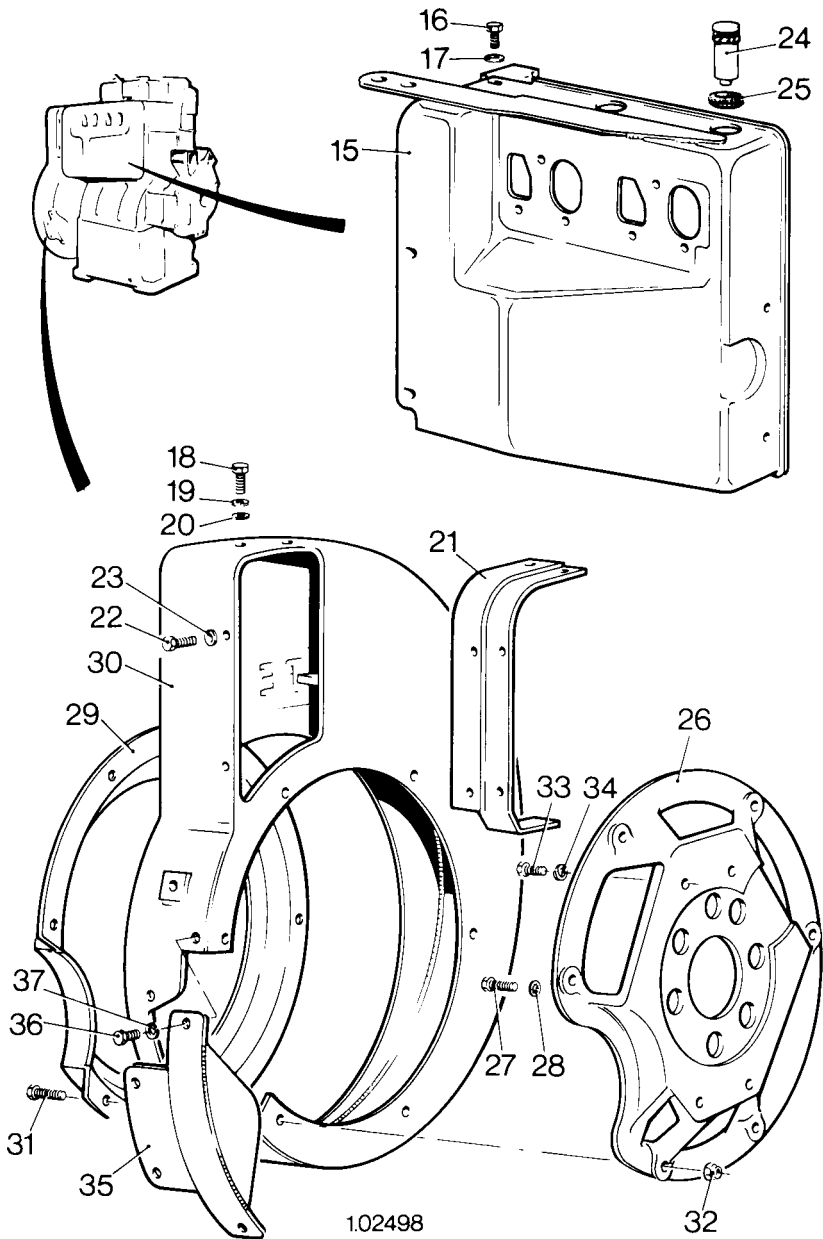


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VARIATIONS FROM BUILD ONE — BUILD 25 ©

ST2 & 3 BUILD 25

Illus No.	Description	Part No.	ST	
			2	3
BUILD 25 (Cont.)				
ENGINE COWLING & FANSHROUD				
15	ENGINE COWLING - ST2	737-11560	1	-
-	ENGINE COWLING - ST3	737-11130	-	1
16	SETSCREW - 1/4" UNF x 1/2"	270-00054	3	3
17	WASHER	027-00618	3	3
18	SETSCREW - Strap 3/8" UNF x 5/8"	270-00161	1	1
19	SPRING WASHER	027-00393	1	1
20	PLAIN WASHER	027-00184	1	1
21	ADAPTOR - Cowling	737-10540	1	1
22	SETSCREW - Cowling 1/4" UNF x 1/2"	270-00054	3	3
23	WASHER	027-00618	3	3
24	OIL RESERVOIR & PLUNGER	201-26480	2	3
25	GROMMET - Oil Reservoir	201-12951	2	3
26	ADAPTOR - Fan Shroud	737-11081	1	1
27	SETSCREW - 5/16" UNF x 11/8"	270-00025	4	4
28	SPRING WASHER	027-03929	4	4
29	BLANKING PLATE ASSEMBLY	737-10611	1	1
30	FAN SHROUD	737-11460	1	1
31	SETSCREW - 5/16" UNF x 11/8"	270-00025	6	6
32	NUT - Self Locking - 5/16" UNF	270-00154	6	6
33	SETSCREW - Adaptor to Crankcase - 3/8" UNF x 7/8"	270-00072	4	4
34	SPRING WASHER	027-00393	4	4
BLANKING PLATE - Starter Motor				
35	STARTER MOTOR BLANKING PLATE ASSEMBLY	737-12200	1	1
36	SETSCREW - 1/4" UNF x 3/8"	270-00189	4	4
37	SPRING WASHER	027-00413	4	4

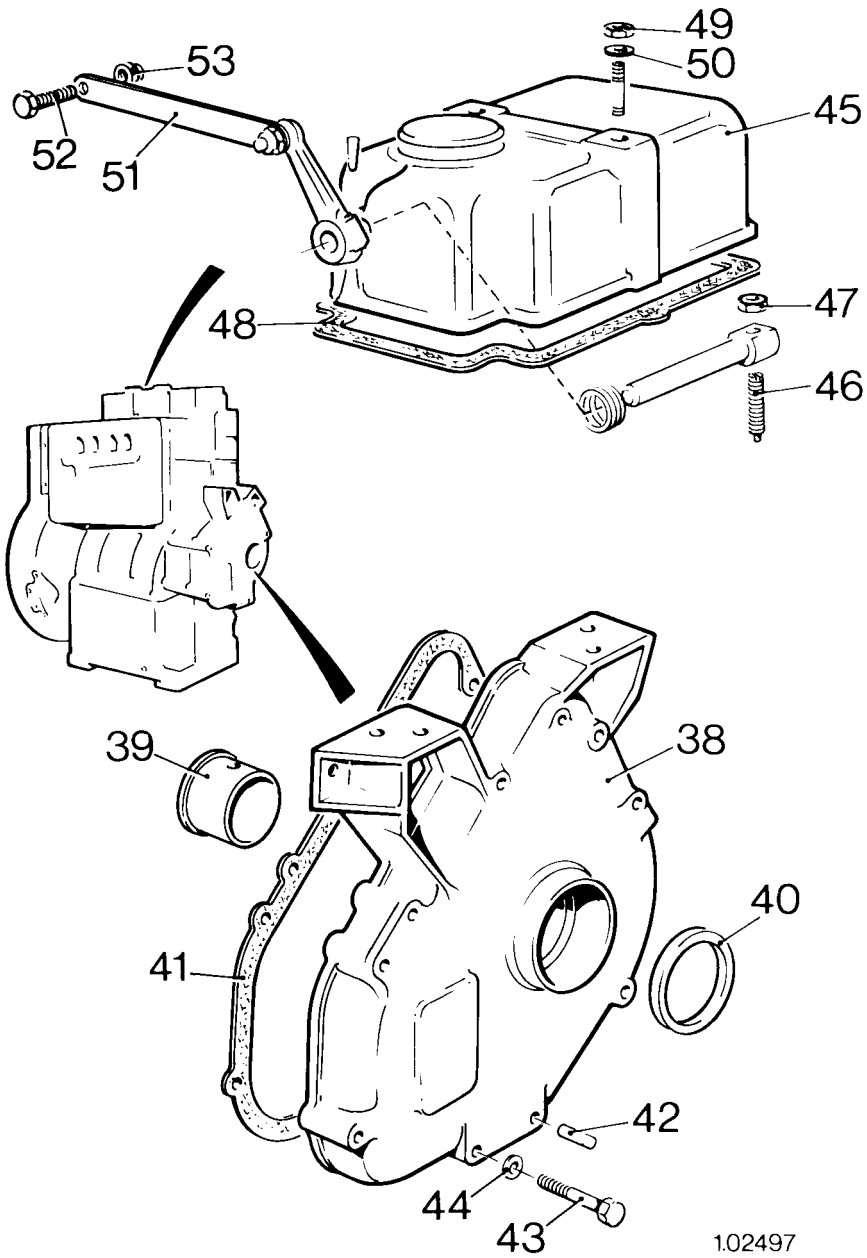


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VARIATIONS FROM BUILD ONE—BUILD 25 ©

ST2 & 3 BUILD 25

Illus No.	Description	Part No.	ST	
			2	3
BUILD 25 (Cont.)				
END COVER				
38	END COVER	737-11120	1	1
39	BUSH - End Cover	201-10171	1	1
40	OIL SEAL	201-13190	1	1
41	JOINT - End Cover	201-11211	1	1
42	DOWEL	027-01430	2	2
43	BOLT - End Cover 5/16" UNF x 21/4"	270-00066	7	7
44	WASHER	616-01608	7	7
CYLINDER HEAD COVER				
45	CYLINDER HEAD COVER ASSEMBLY	570-11643	2	3
46	SCREW - Decompressor	201-10960	2	3
47	NUT - Decompressor Screw - 1/4" UNF	270-00002	2	3
48	JOINT - Cylinder Head Cover	201-80180	2	3
49	NUT - Cylinder Head Cover - 1/4" UNF	270-00002	4	6
50	WASHER	027-00618	4	6
51	COUPLING ROD	202-17330	1	2
52	FIXING SCREW	064-06772/024	2	3
53	NUT - Self Locking	064-06649/003	2	3

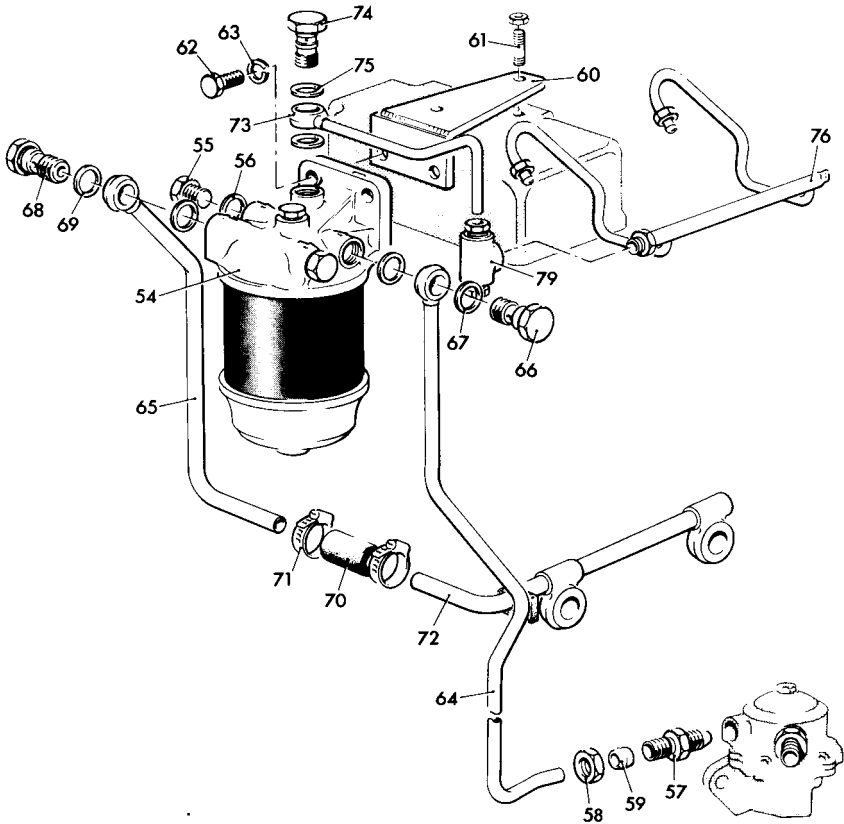


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VARIATIONS FROM BUILD ONE – BUILD 25 ©

ST2 & 3 BUILD 25

Illus No.	Description	Part No.	ST	
			2	3
BUILD 25 (Cont.)				
CAV FUEL FILTER				
54	FUEL FILTER	354-28360	1	-
55	PLUG	354-28530	2	-
56	JOINT WASHER	013-22350	2	-
57	UNION	027-04492	2	-
58	NUT - Union	351-21630	2	-
59	OLIVE - Union	351-21640	2	-
60	FILTER BRACKET ASSEMBLY	737-11670	1	-
61	STUD - Cylinder Head Cover 1/4" UNF x 3/4"	270-00155	2	-
62	SETSCREW - Filter to Bracket 5/16" UNF x 3/4"	270-00060	2	-
63	SPRING WASHER	027-00413	2	-
64	PIPE - Lift Pump to Filter	203-53931	1	-
65	PIPE - Filter to Connection	203-53920	1	-
66	PLUG - Swivel Union	354-28380	1	-
67	JOINT WASHER	013-22350	2	-
68	PLUG - Swivel Union	354-28630	1	-
69	JOINT WASHER	013-22350	2	-
70	HOSE CONNECTION	204-53760	1	-
71	HOSE CLIP	520-05390	2	-
72	PIPE - Connection to Pumps	737-11640	1	-
73	PIPE - Leak Off	203-53940	1	-
74	NON RETURN VALVE	572-10611	1	-
75	JOINT WASHER	354-26310	2	-
FUEL LEAK OFF PIPES				
76	PIPE - Fuel Leak Off - ST2	202-17131	1	-
-	PIPE - Fuel Leak Off - ST3	203-82960	-	1
79	TEE PIECE - Fuel Leak Off	201-17211	1	1
-	COPPER WASHER	600-00106	1	-



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VARIATIONS FROM BUILD ONE - BUILD 25 ©

ST2 & 3 BUILD 25

Illus No.	Description	Part No.	2	3
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BUILD 25 (Cont.)

FUEL LIFT PUMP - See Accessories Section for Illustration

TAPPET - Fuel Lift Pump		201-17290	1	1
FUEL LIFT PUMP Includes		351-12150	1	1
JOINT		351-12190	1	1
SPRING WASHER		027-00413	2	2
STUD - Lift Pump to Door 5/16UNF / UNC x 11/8"		270-00320	2	2
NUT		201-80670	2	2
TAPPED PLUG - Swivel Union	} Standard fitting	201-17280	1	1
PLUG - Swivel Union		Build 01 ST3	201-17270	1	1
JOINT WASHER		291-26090	2	2
UNION NUT - Fuel Lift Pump		351-21630	2	2
OLIVE - Union		351-21640	2	2
UNION		027-04492	2	2
BUSH - Tappet		201-17300	1	1
COMPLETE REPAIR KIT		662-10520	1	1

GOVERNOR WEIGHTS & SPRINGS

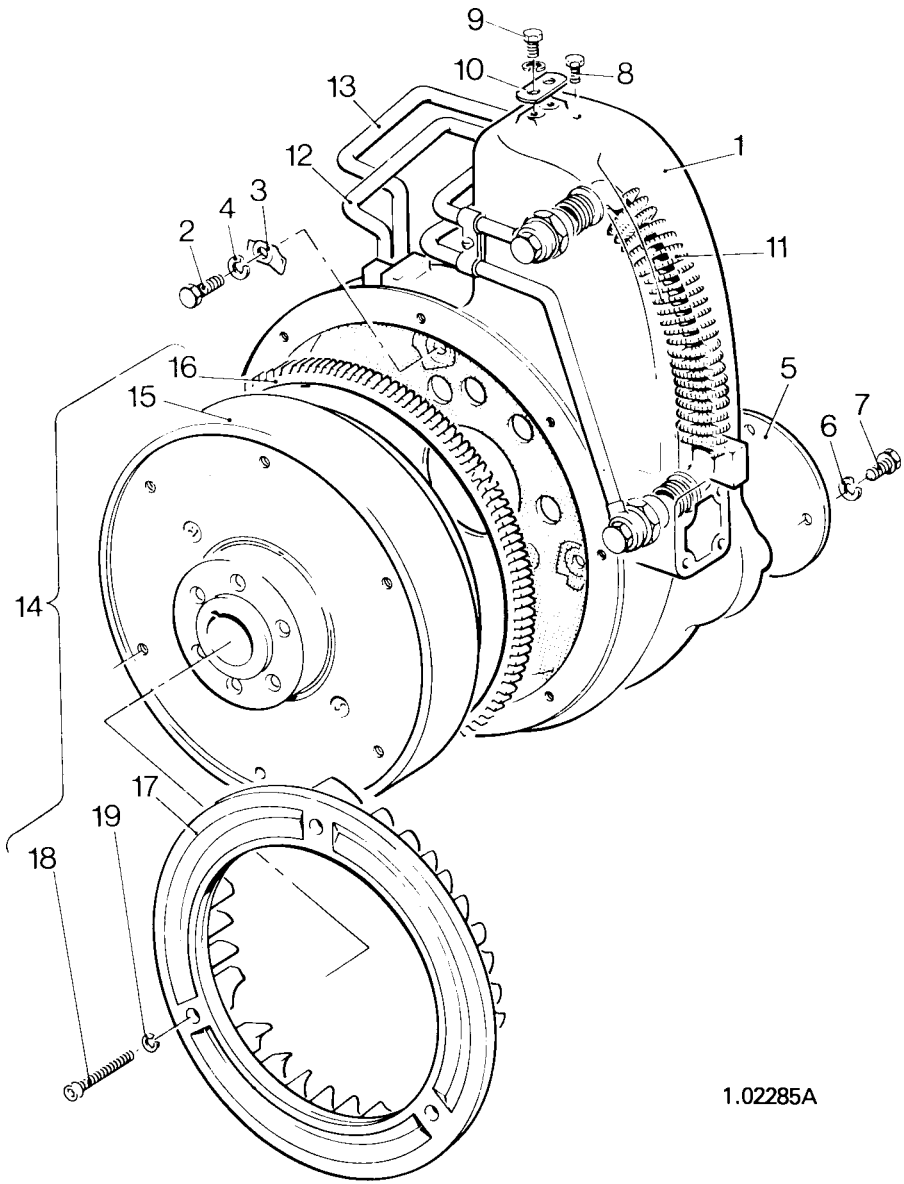
- ST2 & 3 - See table on page 74 17GZY

ST1 BUILD 26

Illus No.	Description	Part No.	ST 1
BUILD 26			
SEMI HEAVY FLYWHEEL			
SEE BUILD 5		201-81012	1
FANSHROUD - ACW			
SEE BUILD 11	Items 1-4		1
CAMSHAFT - ACW			
SEE BUILD 11	Assembly	201-80780	1
COWLING - ACW			
SEE BUILD 11	Items 11-12		1
FAN - ACW			
SEE BUILD 11		201-80840	1
CRANKSHAFT OIL RETAINING RING - ACW			
SEE BUILD 7		201-80830	1
GOVERNOR WEIGHTS & SPRINGS			
GOVERNOR WEIGHTS & SPRINGS - See table on Page 74 15GZZ			

ST3 BUILD 26

Illus No.	Description	Part No.	ST
BUILD 26			
FANSHROUD FOR OIL COOLER-ACW			
1	FAN SHROUD	203-81831	1
2	SETSCREW - Fan Shroud to Crankcase 3/8" UNF x 1"	270-00073	6
3	TAB WASHER	201-26540	6
4	SPRING WASHER	202-24060	6
5	BLANKING PLATE - Electric Start Hole	201-13160	1
6	SPRING WASHER - 1 for Item 21	027-00393	4
7	BOLT - Blanking Plate 3/8" UNC x 1/2"	270-00457	3
8	BOLT - Cowling 0.19" UNF x 3/8"	270-00172	3
9	BOLT - 3/8" UNC x 7/8"	270-00286	2
10	STRAP	202-26640	1
BACK PLATE - Oil Filter Cooler			
	SEE BUILD 20	Items 22-23	1
OIL COOLER & PIPES - ACW			
11	OIL COOLER ASSEMBLY	203-81780	1
12	PIPE - Filter to Cooler	203-81771	1
13	PIPE - Cooler to Filter	203-81801	1
OIL COOLER & PIPE			
	SEE BUILD 20	Items 34-41	1
FLYWHEEL			
14	FLYWHEEL ASSEMBLY - Comprising	570-12470	1
15	FLYWHEEL	202-80390	1
16	STARTER RING	202-12871	1
17	FAN	202-70100	1
18	CAPSCREW - Socket 5/16" UNF x 2"	270-00617	3
19	SPRING WASHER	027-00413	3
CRANKSHAFT OIL RETAINING RING - ACW			
	SEE BUILD 7	201-80830	1
CAMSHAFT - ACW			
	SEE BUILD 7	Assembly 203-51082	1
COWLING - ACW			
	SEE BUILD 7	Items 22-25	1
GOVERNOR WEIGHTS & SPRINGS			
GOVERNOR WEIGHTS & SPRINGS - SEE TABLE ON PAGE 74 .. 15GZY			

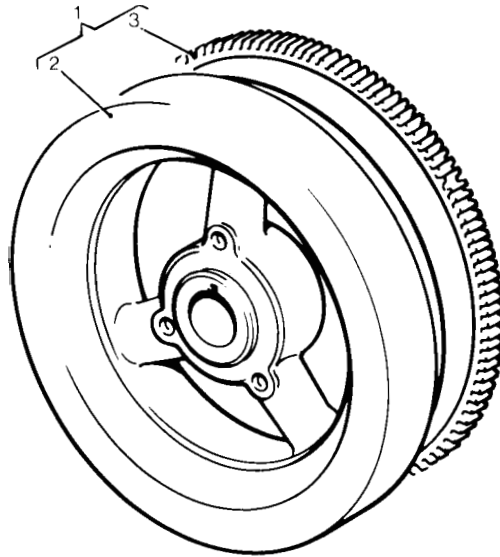


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VARIATIONS FROM BUILD ONE – BUILD 26 ©

ST1, 2 & 3 BUILD 27

Illus No.	Description	Part No.	ST		
			1	2	3
BUILD 27					
CAMSHAFT - ACW					
	SEE BUILD 11	Assembly 201-80780	1	-	-
	SEE BUILD 7	Assembly 203-51080	-	-	1
COWLING - ACW					
	SEE BUILD 11	Items 11-12	1	-	-
	SEE BUILD 7	Items 22-25	-	-	1
CRANKSHAFT OIL RETAINING RING - ACW					
	SEE BUILD 7	201-80830	1	-	1
CLOSE COUPLED FANSHROUD - ACW					
	SEE BUILD 12	Items 1-9	1	-	-
	SEE BUILD 7	Items 1-9	-	-	1
FLYWHEEL & STARTER RING - ACW					
1	FLYWHEEL ASSEMBLY Comprising	570-12410	1	-	-
2	FLYWHEEL	201-80900	1	-	-
3	STARTER RING	201-12871	1	-	-
FAN - ACW					
	SEE BUILD 11	201-80840	1	-	-
CLOSE COUPLED FANSHROUD					
	SEE BUILD 2 & 3 - ST2	Items 1-10	-	1	-
HEAVY FLYWHEEL & RING					
	SEE BUILD 6	Assembly 570-12650	-	1	-
PARTS FOR LONG RUNNING ENGINES					
	CRANKCASE	366-06576	-	1	-
	REDUCING PLUG	366-04160	-	1	-
	TAPER PLUG - 1/2"	027-00140	-	1	-
	TAPER PLUG - 1"	027-00142	-	1	-



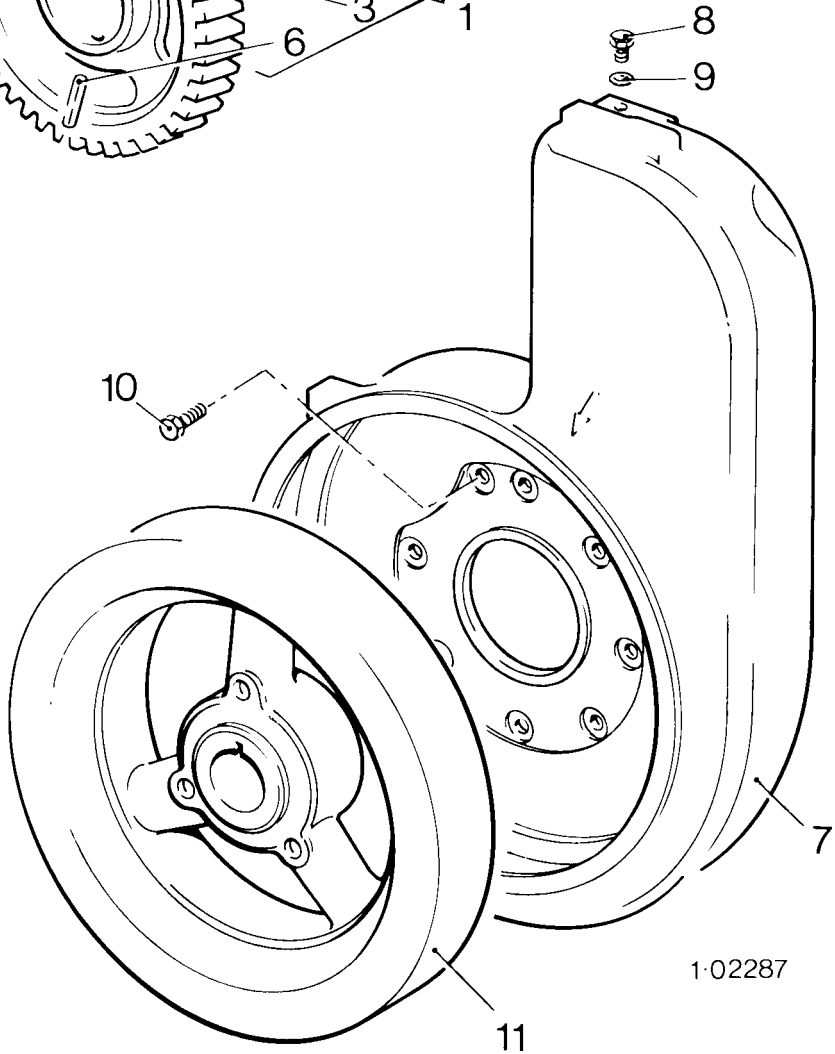
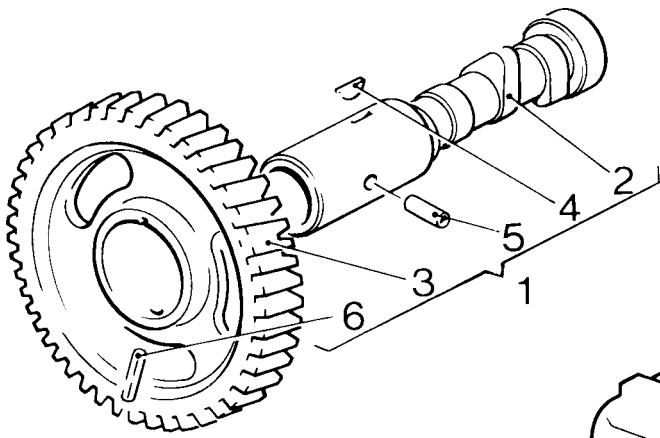
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VARIATIONS FROM BUILD ONE – BUILD 27 ©

Illus No.	Description	Part No.	ST 3
BUILD 27 (Cont.)			
FLYWHEEL & FAN-ACW			
SEE BUILD 7	Items 10- 1 5		1
AUTO TYPE FUEL CONTROL			
SEE BUILD 4	Items 29-44		1
CYLINDER HEAD COVER			
SEE BUILD 4	Items 21-28		1
END COVER SPEED ADJUSTMENT			
SEE BUILD 3 (ST3)	Items 17-21		1
GOVERNOR WEIGHTS & SPRINGS			
GOVERNOR WEIGHTS & SPRINGS - ST1	} See table 15GZZ on Page 74 .....2GRZ		
GOVERNOR WEIGHTS & SPRINGS - ST2 & 3			

ST1 BUILD 28

Illus No.	Description	Part No.	ST
BUILD 28			
COWLING - ACW			
	SEE BUILD 11	Items 11-12	1
FAN - ACW			
	SEE BUILD 11	201-80840	1
CRANKSHAFT OIL RETAINING RING - ACW			
	SEE BUILD 7	201-80830	1
INTERNAL START CAMSHAFT - ACW			
1	CAMSHAFT ASSEMBLY Comprising	201-81060	1
2	CAMSHAFT		1
3	GEARWHEEL		1
4	KEY	027-00785	1
5	CATCH PIN	201-54470	1
6	DOWEL PIN	201-11160	1
FANSHROUD - ACW			
7	FAN SHROUD - Alloy not close coupled	201-80820	1
8	SETSCREW - 5/16" UNF x 3/8"	270-00172	5
9	PLAIN WASHER	027-01698	5
10	SETSCREW - Fan Shroud and Main Bearing Housing to Crankcase 5/16" UNF x 1"	270-00061	8
FLYWHEEL			
11	FLYWHEEL	201-80901	1
GOVERNOR WEIGHTS & SPRINGS			
	GOVERNOR WEIGHTS & SPRINGS - See table on Page 74	15GZZ	



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ST2 & 3 BUILD 28

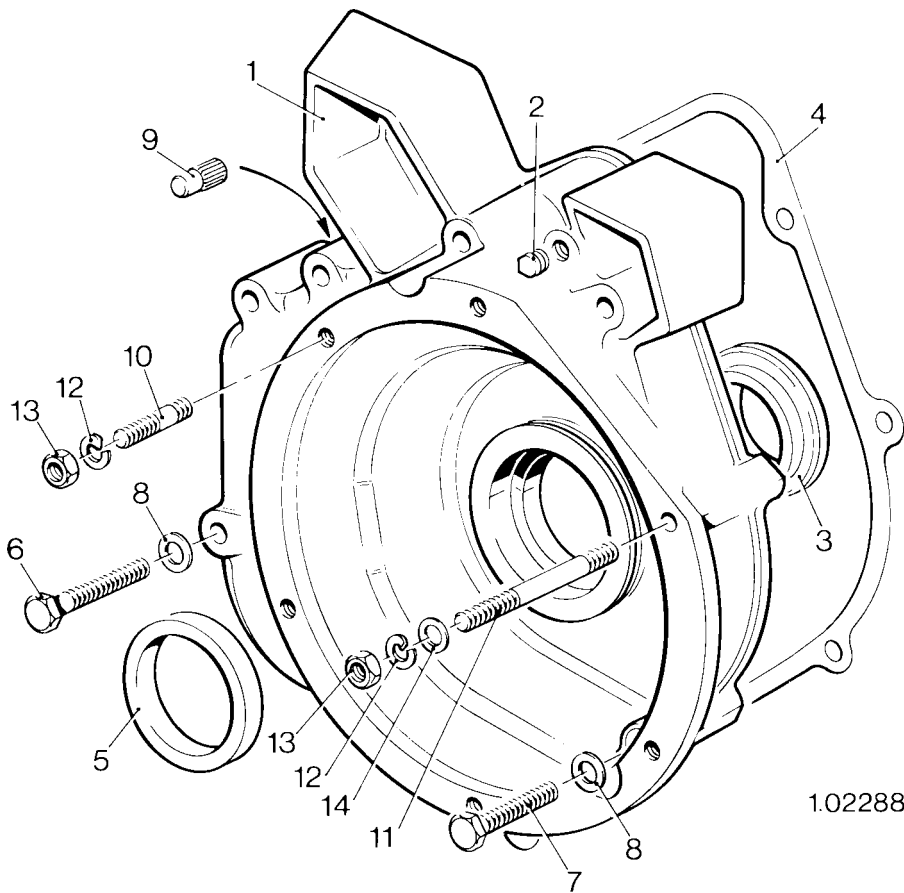
Illus No.	Description	Part No.	ST	
			2	3
BUILD 28				
CRANKCASE				
	SEE BUILD 27 - ST2	366-06576	1	-
	SEE BUILD 23 - ST3	366-06577	-	1
CRANKSHAFT				
	CRANKSHAFT	Assembly 570-12291	1	-
CYLINDER BARREL				
	CYLINDER BARREL	201-80062	2	-
CLOSE COUPLED FANSHROUD - Marine				
	SEE BUILD 22	Items 7-16	1	-
	SEE BUILD 2 & 3 - ST2 & 3	Items 1-7	-	1
FLYWHEEL, FAN & STARTER RING				
	SEE BUILD 3 - ST2 & 3	Assembly 570-12490	1	-
	SEE BUILD 2 & 3 - ST2 & 3	Assembly 370-13150	-	1
GOVERNOR WEIGHTS & SPRINGS				
	GOVERNOR WEIGHTS & SPRINGS - ST2	} See table 15GZZ on Page 74 2GDZ		
	GOVERNOR WEIGHTS & SPRINGS - ST3			

ST2 & 3 BUILD 29

Illus No.	Description	Part No.	ST	
			2	3
BUILD 29				
CRANKSHAFT				
	CRANKSHAFT	Assembly 570-12291	1	-
CYLINDER BARREL				
	CYLINDER BARREL.....	201-80062	2	-
CLOSE COUPLED FANSHROUD				
	SEE BUILD 2	Items 1-10	1	-
	SEE BUILD 22 (Marine)	Items 7-16	-	1
HEAVY FLYWHEEL & GEAR RING				
	SEE BUILD 6	Assembly 570-12650	1	-
	SEE BUILD 3 - ST3.....	Assembly 570-13150	-	1
END COVER SPEED ADJUSTMENT				
	SEE BUILD 3 (ST3)	Items 17-21	1	-
GOVERNOR PARTS				
	SEE BUILD 4	Item 20	1	-
GOVERNOR WEIGHTS & SPRINGS				
	GOVERNOR WEIGHTS & SPRINGS - ST2	} See table on 11GRZ Page 74 17GZY		
	GOVERNOR WEIGHTS & SPRINGS - ST3			

ST1 BUILD 29

Illus No.	Description	Part No.	ST
	BUILD 29		1
	GEAR CASE COVER WITH COUPLING FACE		
1	END COVER	201-22881	1
2	PLUG - End Cover 1/8" BSP	027-01993	1
3	BUSH - End Cover	201-22910	1
4	JOINT - End Cover	201-11211	1
5	OIL SEAL	201-13190	1
6	BOLT - 5/16" UNF x 21/4"	270-00066	5
7	SETSCREW - 5/16" UNF x 2"	270-00065	1
8	WASHER	616-01608	6
9	DOWEL	027-01430	2
10	STUD - Adaptor Face 5/16" UNF / UNC x 13/8"	270-00284	5
11	STUD - Crankcase 5/16" UNF x 31/2"	270-00237	1
12	SPRING WASHER	027-00413	6
13	NUT - 5/16" UNF	270-00003	6
14	PLAIN WASHER	027-00082	1
	CAMSHAFT - ACW		
	SEE BUILD 11	Assembly 201-80870	1
	COWLING - ACW		
	SEE BUILD 11	Items 11-12	1
	FAN - ACW		
	SEE BUILD 11	201-80840	1
	CRANKSHAFT OIL RETAINING RING - ACW		
	SEE BUILD 7	201-80830	1
	CLOSE COUPLED FANSHROUD - ACW		
	SEE BUILD 12	Items 1-9	1
	GOVERNOR WEIGHTS & SPRINGS		
	GOVERNOR WEIGHTS & SPRINGS - See table on Page 74	15GZZ	



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VARIATIONS FROM BUILD ONE – BUILD 29 ©

ST1 & 2 BUILD 30

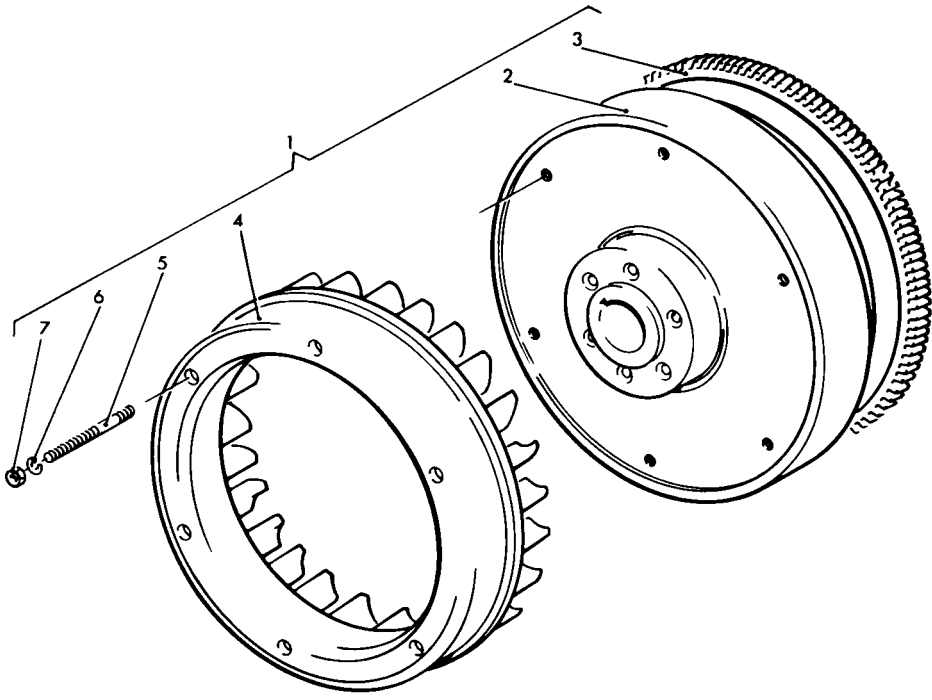
Illus No.	Description	Part No.	ST	
			1	2
ST1 BUILD 30 - CW				
CAMSHAFT - CW FOR HYDRAULIC PUMP GEAR DRIVE				
SEE BUILD 4	Assembly	201-81080	1	-
END COVER				
SEE BUILD 4	.....	Items 7-11	1	-
CLOSE COUPLED FANSHROUD				
SEE BUILD 2 & 3 - ST1	.....	Items 1-12	1	-
ELECTRIC START FLYWHEEL				
SEE BUILD 3	Assembly	570-12340	1	-
ST2 BUILD 30 - ACW				
CAMSHAFT - ACW				
SEE BUILD 9	Assembly	202-51082	-	1
COWLING - ACW				
SEE BUILD 9	.....	Items 11-14	-	1
CLOSE COUPLED FANSHROUD - ACW				
SEE BUILD 7	.....	Items 1-9	-	1
CRANKSHAFT OIL RETAINING RING - ACW				
SEE BUILD 7	.....	201-80830	-	1
HIGH SPEED FLYWHEEL - ACW				
SEE BUILD 26	Assembly	570-12470	-	1
GOVERNOR WEIGHTS & SPRINGS				
GOVERNOR WEIGHTS & SPRINGS - ST1	} See table	on Page 74	15GZZ	
GOVERNOR WEIGHTS & SPRINGS - ST2			15GZY	

ST1 BUILD 31

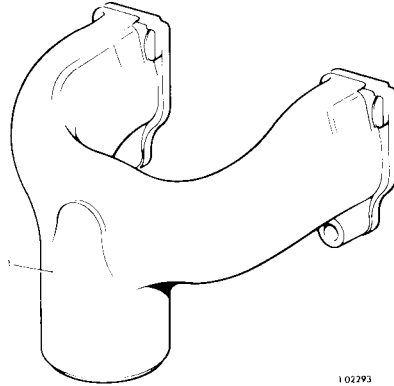
Illus No.	Description	Part No.	ST 1
BUILD 31			
FLYWHEEL & STARTER RING - ACW			
	SEE BUILD 15 Assembly	570-13530	1
FANSHROUD - ACW			
	SEE BUILD 12	Items 1-9	1
CAMSHAFT ASSEMBLY - ACW			
	SEE BUILD 11 Assembly	201-80780	1
COWLING - ACW			
	SEE BUILD 11	201-80800	1
FAN - ACW			
	FAN	201-80841	1
CRANKSHAFT OIL RETAINING RING - ACW			
	SEE BUILD 7	201-80830	1
GOVERNOR WEIGHTS & SPRINGS			
	GOVERNOR WEIGHTS & SPRINGS - See Table Page 74	11GRZ	

ST2 BUILD 31

Illus No.	Description	Part No.	ST 2
BUILD 31			
CAMSHAFT - ACW			
	SEE BUILD 9 Assembly.....	202-51082	1
COWLING - ACW			
	SEE BUILD 9	Items 11-14	1
FANSHROUD - ACW			
	SEE BUILD 7	Items 1-9	1
CRANKSHAFT OIL RETAINING RING - ACW			
	SEE BUILD 7	201-80830	1
AUTO TYPE FUEL CONTROL			
	SEE BUILD 4	Items 29-44	1
CYLINDER HEAD COVER			
	SEE BUILD 5	Items 1-7	2
HEAVY FLYWHEEL			
1	FLYWHEEL ASSEMBLY Comprising	570-12660	1
2	FLYWHEEL	202-80890	1
3	STARTER RING	202-12871	1
4	FAN	202-51610	1
5	STUD - 5/16" UNF x 31/2"	270-00605	6
6	SPRING WASHER.....	027-00413	6
7	NUT - 5/16" UNF	270-00003	6
END COVER SPEED ADJUSTMENT			
	SEE BUILD 3 (ST3)	Items 17-21	1
GOVERNOR PARTS			
	SEE BUILD 4	Item 20	1
GOVERNOR WEIGHTS & SPRINGS			
	GOVERNOR WEIGHTS & SPRINGS - See Table Page 74	2GRZ	

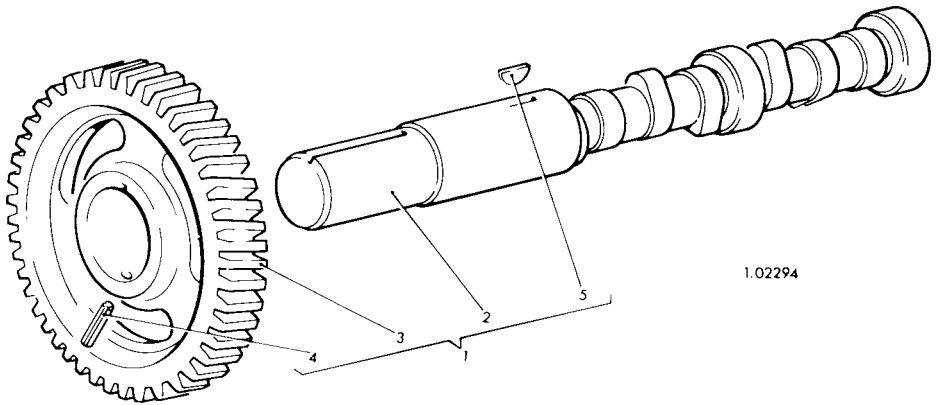


VARIATIONS FROM BUILD ONE—BUILD 31 ©



VARIATIONS FROM BUILD ONE – BUILD 32 ©

Illus No.	Description	Part No.	ST 2
CRANKSHAFT OIL RETAINING RING-ACW			
	SEE BUILD 7	201-80830	1
FLYWHEEL & FAN-ACW			
	SEE BUILD 9 Assembly	570-12500	1
EXHAUST MANIFOLD			
1	EXHAUST MANIFOLD	366-03938	1
CAMSHAFT - ACW			
	SEE BUILD 9 Assembly	202-51082	1
COWLING-ACW			
	SEE BUILD 9	Items 11-14	1
CLOSE COUPLED FAN SHROUD - ACW			
	SEE BUILD 7	items 1-9	1
GOVERNOR WEIGHTS & SPRINGS			
	GOVERNOR WEIGHTS & SPRINGS - See Table Page 74	17GZY	



VARIATIONS FROM BUILD ONE – BUILD 33 ©

Illus No.	Description	Part No.	ST
	CAMSHAFT		2
1	CAMSHAFT ASSEMBLY Comprising	202-81530	1
2	CAMSHAFT		1
3	GEARWHEEL		1
4	LOCATING PIN	201-11160	1
5	KEY	027-00785	1
	COWLING		
	SEE BUILD 9	Items 11-14	1
	CLOSE COUPLED FANSHROUD - ACW		
	SEE BUILD 7	Items 1-9	1
	CRANKSHAFT OIL RETAINING RING - ACW		
	SEE BUILD 7	201-80830	1
	FLYWHEEL - ACW		
	SEE BUILD 9 Assembly	570-12500	1
	GOVERNOR WEIGHTS & SPRINGS		
	GOVERNOR WEIGHTS & SPRINGS - See Table Page 74	17GZY	

ST2 BUILD 34

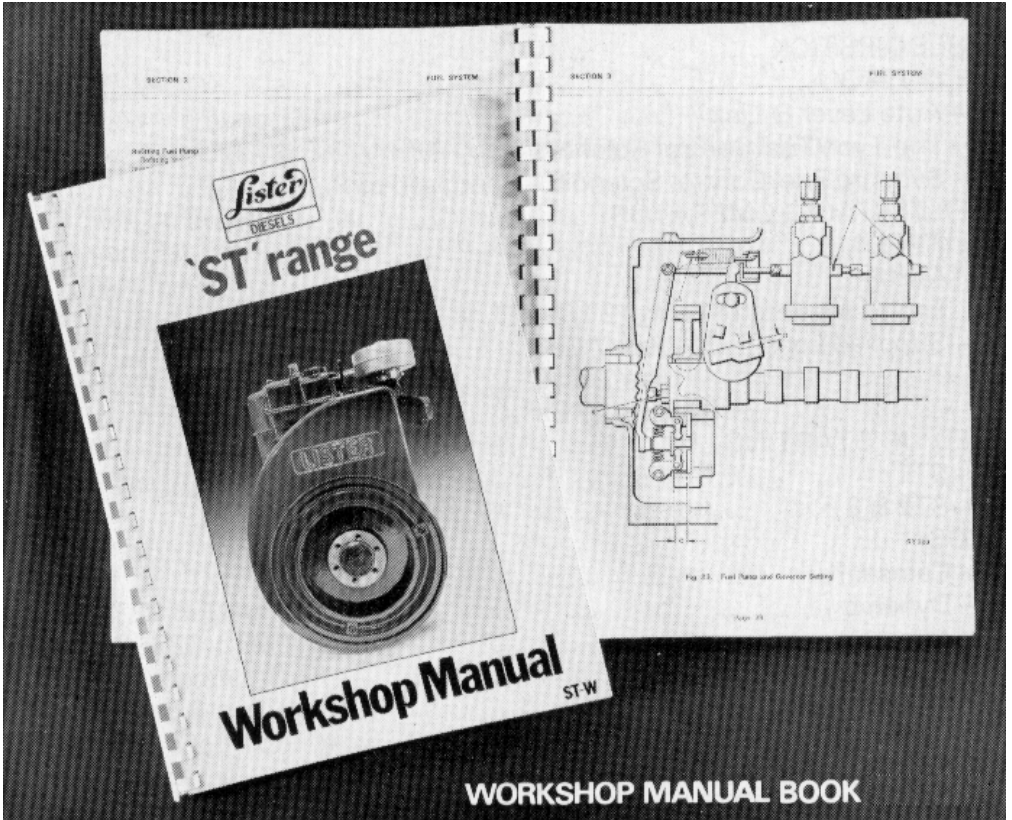
Illus No.	Description	Part No.	ST 2
BUILD 34			
CAMSHAFT - ACW			
	SEE BUILD 9 Assembly	202-51082	1
COWLING - ACW			
	SEE BUILD 9	Items 11-14	1
CLOSE COUPLED FANSHROUD - ACW			
	SEE BUILD 7	Items 1-9	1
CRANKSHAFT OIL RETAINING RING - ACW			
	SEE BUILD 7	201-80830	1
FLYWHEEL			
	SEE BUILD 31 Assembly	570-12660	1
GOVERNOR WEIGHTS & SPRINGS			
	GOVERNOR WEIGHTS & SPRINGS - See Table Page 74	17GZY	

ST2 BUILD 35

Illus No.	Description	Part No.	ST
	BUILD 35		2
	ANTI CLOCKWISE ROTATION		
	CAMSHAFT - ACW		
	SEE BUILD 9 Items 6-10		1
	COWLING - ACW		
	SEE BUILD 9 Items 11-14		1
	CLOSE COUPLED FANSHROUD - ACW		
	SEE BUILD 7 Items 1-9		1
	CRANKSHAFT OIL RETAINING RING - ACW		
	SEE BUILD 7 201-80830		1
	FLYWHEEL, FAN & GEAR RING - ACW		
	SEE BUILD 10 Items 1-6		1
	SURVEY CRANKSHAFT & BARRELS - ACW		
	SEE BUILD 1 Assembly 570-12291		1
	CYLINDER BARREL 201-80062		2
	GOVERNOR WEIGHTS & SPRINGS		
	GOVERNOR WEIGHTS & SPRINGS - See table on Page 74 17GZY		

ASSOCIATED PUBLICATION

The Workshop Manual



Available from
your Lister-Petter distributor

ACCESSORIES

NOTE

This Section deals with the accessories that can be fitted to ST engines. Complete Accessory assemblies supplied for customers to fit to engines are identified by letter codes, however, it is possible that the same letter code may apply to different accessories for the ST1, 2 or 3 engines. It is, therefore, imperative to quote the engine designation (ST1, 2 or 3) when ordering by letter code. This does not preclude the need to quote the engine number with all orders.

EXAMPLE

Code EJ ST1 is the Starter Motor Assembly for a clockwise rotation ST1 engine with 12V Lucas starting.

Code EJ ST2 is the complete 12V Electric Starting Assembly for a clockwise rotation ST2 engine requiring an 11AC alternator.

PLEASE ORDER COMPLETE ACCESSORY ASSEMBLIES BY LETTER CODES

ACCESORIOS

NOTA

Esta Sección trata de los accesorios que pueden colocarse a los motores ST. Los conjuntos completos de accesorios suministrados para que el cliente los instale están identificados por letras de código. Sin embargo, es posible que un código compuesto de las mismas letras sea aplicable a distintos accesorios para los motores ST1, ST2 o ST3. Por lo tanto, es imprescindible citar la designación del motor (ST1, ST2 o ST3) al pedir por letras de código. Esto no excluye la necesidad de citar el Número de Registro del motor en todo pedido.

EJEMPLO

El Código EJ ST1 corresponde al Conjunto del Motor de Arranque para un motor ST1 de giro destrorso, con arranque Lucas de 12V.

El Código EJ ST2 representa un Conjunto de Arranque Eléctrico completo, de 12V, para un motor ST2 de giro destrorso, que necesita un alternador 11AC.

SIRVASE PEDIR CONJUNTOS DE ACCESORIOS COMPLETOS POR SUS LETRAS DE CODIGO

ACCESSOIRES

NOTE

Cette Section traite des accessoires qui peuvent être montés sur les moteurs ST. Les ensembles accessoires complets fournis pour montage sur moteurs par nos clients sont identifiés par des codes de lettres. Toutefois, il est possible que le même code de lettres puisse s'appliquer à des accessoires différents pour les moteurs ST1, 2 ou 3. Donc, il est absolument essentiel de citer la désignation du moteur (ST1, 2 ou 3) sur toute commande établie par code de lettres. Ceci n'exclut pas le besoin d'indiquer le numéro matricule de moteur sur toutes commandes.

EXEMPLE

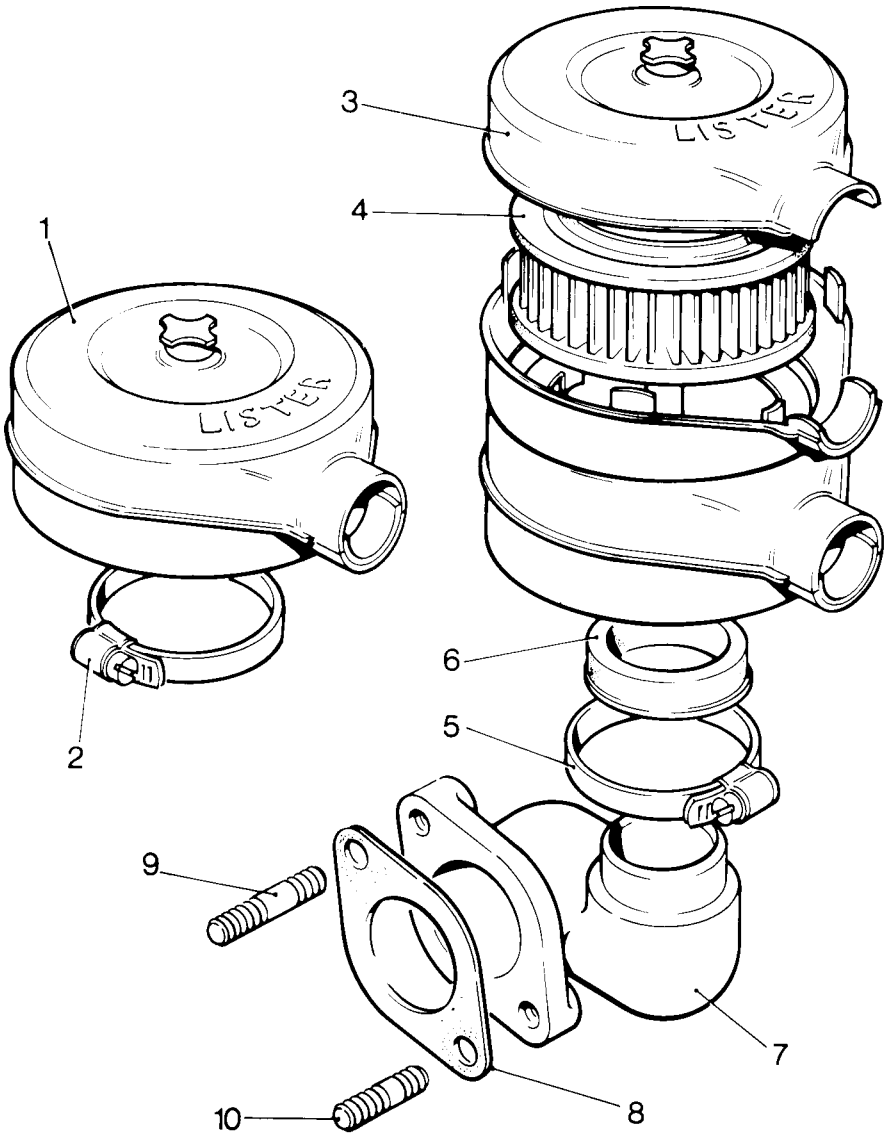
Le Code EJ ST1 s'applique à l'ensemble du démarreur pour le moteur ST1 à rotation en sens horaire et muni du système de démarrage type Lucas sous 12V.

Le Code EJ ST2 indique l'ensemble complet pour le démarrage électrique sous 12V pour moteur ST2 à rotation en sens horaire et faisant appel à un alternateur 11AC.

**PRIERE DE BIEN VOULOIR COMMANDER LES ENSEMBLES
ACCESSOIRES COMPLETS PAR CODES DE LETTRES**

ST1 & 2 CODE AA, ST3 CODE AA & AB

Illus No.	Description	Part No.	ST		
			1	2	3
LISTER DRY TYPE FILTER ASSEMBLY					
	LISTER DRY TYPE FILTER ASSEMBLY - ST1, 2 & 3	Code AA	1	1	1
	- ST3 with engine mounted fuel tank.....	Code AB	-	-	1
	AIR CLEANER ST1 & 2 Including.....	366-06211	1	1	-
4	ELEMENT	366-06227	1	1	-
2	CLIP	027-04234	1	1	-
-	RUBBER BUSH	201-55790	1	1	-
3	AIR CLEANER - Including	366-06818	-	-	1
4	ELEMENT	366-06227	-	-	2
5	CLIP	027-04234	-	-	1
6	RUBBER BUSH	201-55790	-	-	1
7	MANIFOLD ADAPTOR	Required only 203-83180 when engine 203-81690 mounted fuel 270-00721 tank fitted 270-00249	-	-	1
8	JOINT - Manifold Adaptor		-	-	1
9	STUD - 3/8" UNF / UNC x 21/2"		-	-	1
10	STUD - 3/8" UNF / UNC x 13/41"		-	-	1
(Code AB/ST3)					

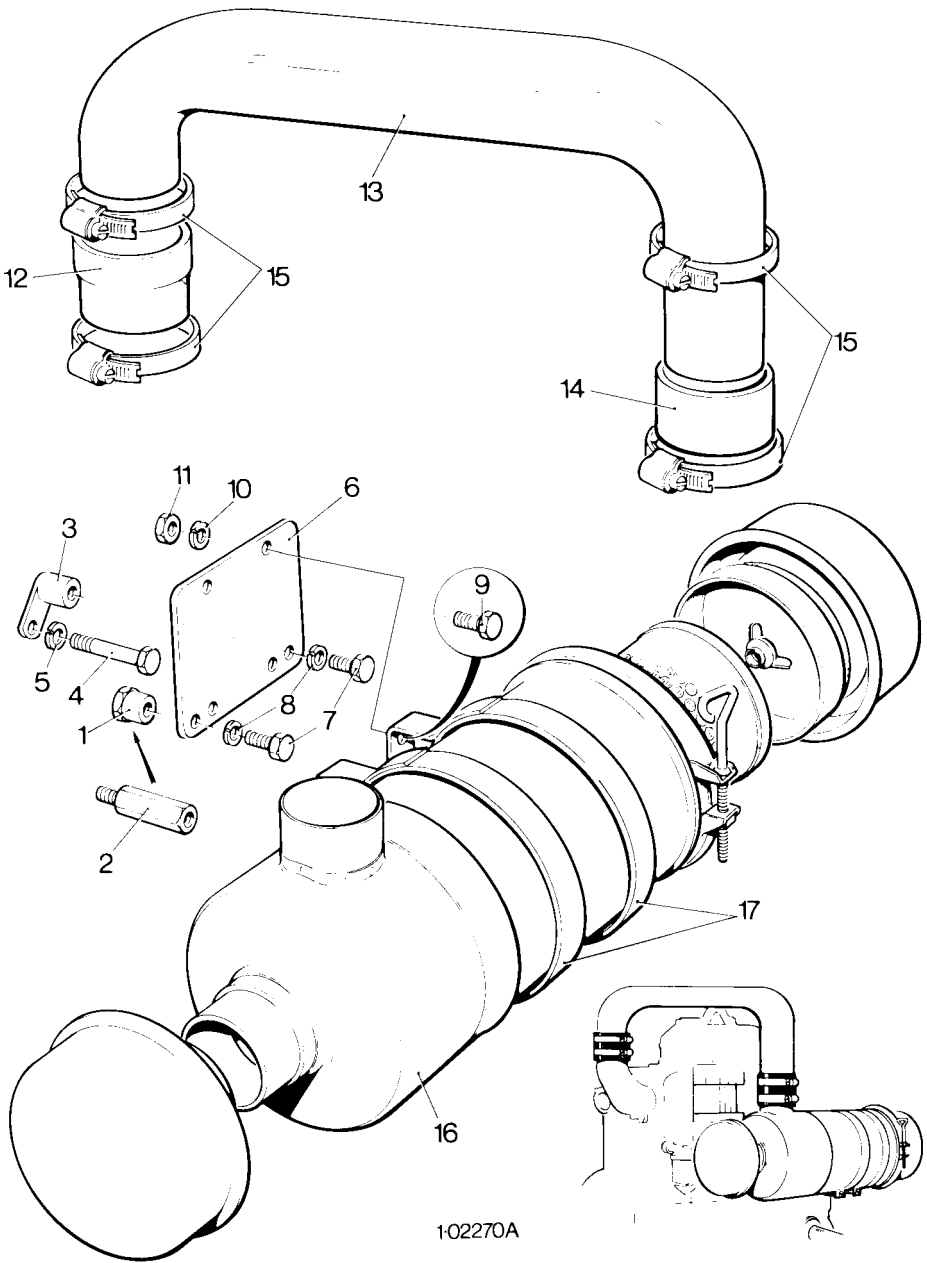


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DRY AIR CLEANER ©

ST1, CODE AB

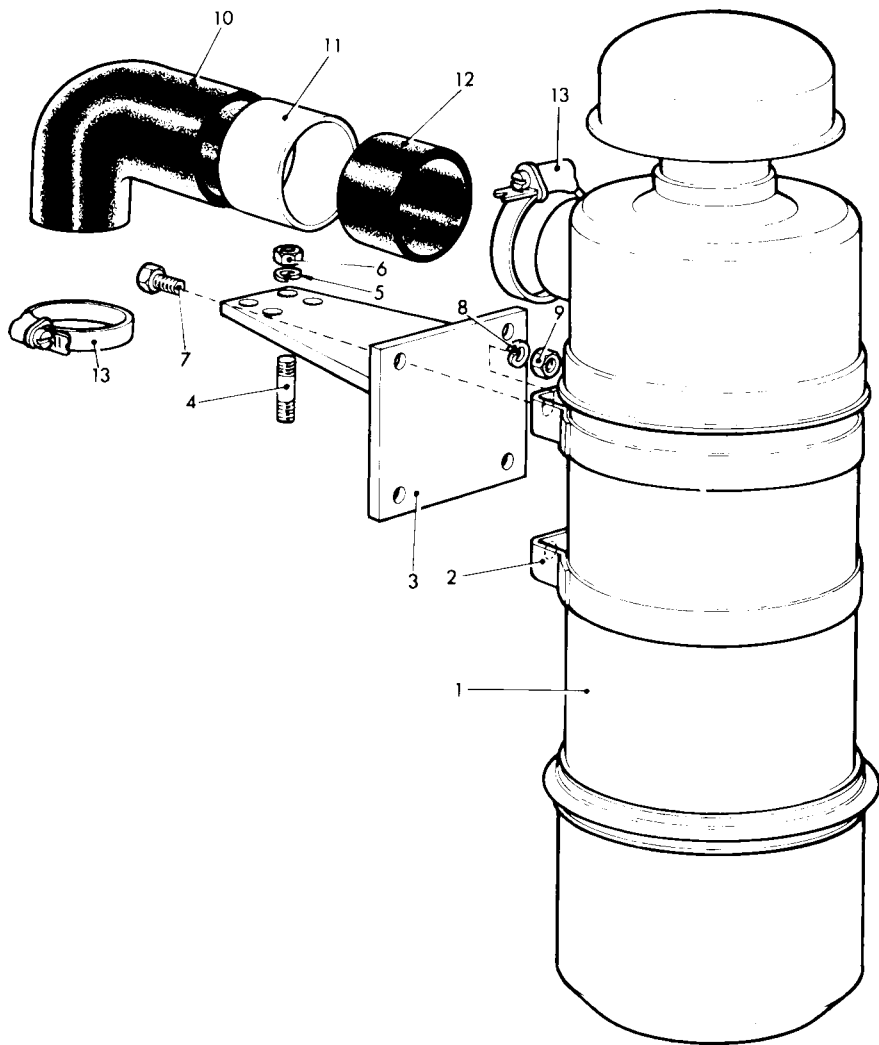
Illus No.	Description	Part No.	ST 1
5 1/4" CYCLOPAC AIR CLEANER			
-	AIR CLEANER & FITTINGS	Code AB	
1	PILLAR NUT - 15 ACR Alternator not fitted	366-06719	1
2	DISTANCE PIECE - 15 ACR Alternator fitted	366-06720	1
3	SUPPORT BRACKET ASSEMBLY	366-06718	1
4	BOLT - 5/16" UNF x 2 1/2"	270-00067	1
5	SPRING WASHER	027-00413	1
6	SUPPORT PLATE	366-06715	1
7	BOLT - 5/16" UNF x 3/4"	270-00060	2
8	SPRING WASHER	027-00413	2
9	BOLT - 5/16" UNF x 3/4"	270-00060	4
10	SPRING WASHER	027-00413	4
11	NUT	270-00003	4
12	HOSE ADAPTOR SLEEVE	366-06346	1
13	CONNECTING TUBE	366-05874	1
14	HOSE	027-05530	1
15	CLIP	027-04234	4
-	5 1/4" DIA. CYCLOPAC AIR CLEANER	382-04368	1
16	CLEANER ASSEMBLY Includes	382-06144	1
-	ELEMENT	027-05419	1
17	MOUNTING BAND	382-04373	2



5 1/4" CYCLOPAC AIR CLEANER - ST1 ©

ST2, CODE AB

Illus No.	Description	Part No.	ST
	6 1/2" CYCLOPAC AIR CLEANER		
-	AIR CLEANER COMPLETE	Code AB	1
1	AIR CLEANER ASSEMBLY - Including	382-04369	1
-	ELEMENT	027-05420	1
2	MOUNTING BAND	382-04377	2
3	MOUNTING BRACKET	366-05869	1
4	STUD - 3/8" UNF / UNC x 13/8"	270-00453	2
5	SPRING WASHER	027-00393	2
6	NUT - 3/8" UNF	270-00004	2
7	SETSCREW - 5/16" UNF x 5/8"	270-00059	4
8	SPRING WASHER	027-00413	4
9	NUT - 5/16" UNF	270-00003	4
10	HOSE - Air Inlet	366-04142	1
11	BUSH	382-01809	1
12	HOSE	366-05870	1
13	CLIP	027-04234	3
-	CLIP	027-04233	1

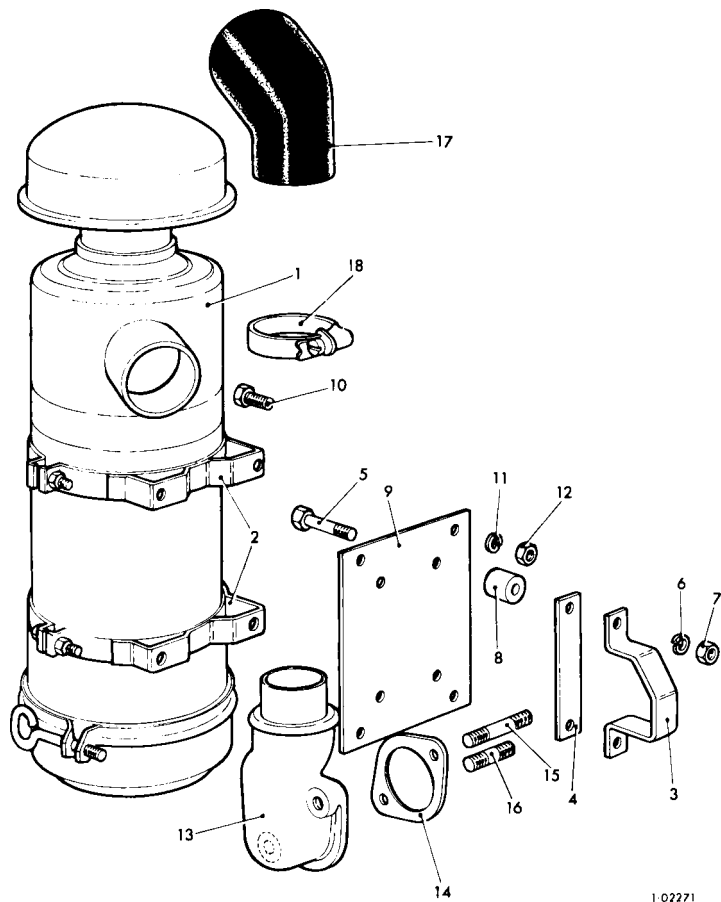


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6 1/2" CYCLOPAC AIR CLEANER—ST2 ©

ST3, CODE AC

Illus No.	Description	Part No.	ST
	6 1/2" CYCLOPAC AIR CLEANER		3
-	AIR CLEANER COMPLETE	Code AC	1
1	AIR CLEANER ASSEMBLY - Including	382-04369	1
-	ELEMENT	027-05420	1
2	MOUNTING BAND	382-04377	2
3	BRACKET	366-05863	2
4	BRACKET	366-05864	2
5	BOLT - 5/16" UNF x 1 3/4"	270-00064	4
6	SPRING WASHER	027-00413	4
7	NUT - 5/16" UNF	270-00003	4
8	DISTANCE PIECE	382-02282	4
9	MOUNTING PLATE	366-05865	1
10	SETSCREW - 5/16" UNF x 1/2"	270-00058	4
11	SPRING WASHER	027-00413	4
12	NUT - 5/16" UNF	270-00003	4
13	AIR INLET MANIFOLD ADAPTOR ASSEMBLY Comprising	366-05946	1
-	MANIFOLD ADAPTOR	203-81670	1
-	EXTENSION TUBE	203-20200	1
14	JOINT - Manifold Adaptor	203-81690	1
15	STUD - 3/8" UNF / UNC x 2 1/2"	270-00721	1
16	STUD - 3/8" UNF / UNC x 1 3/4"	270-00249	1
17	HOSE - Air Inlet	366-04142	1
18	CLIP	027-04234	1
-	CLIP	027-04233	1

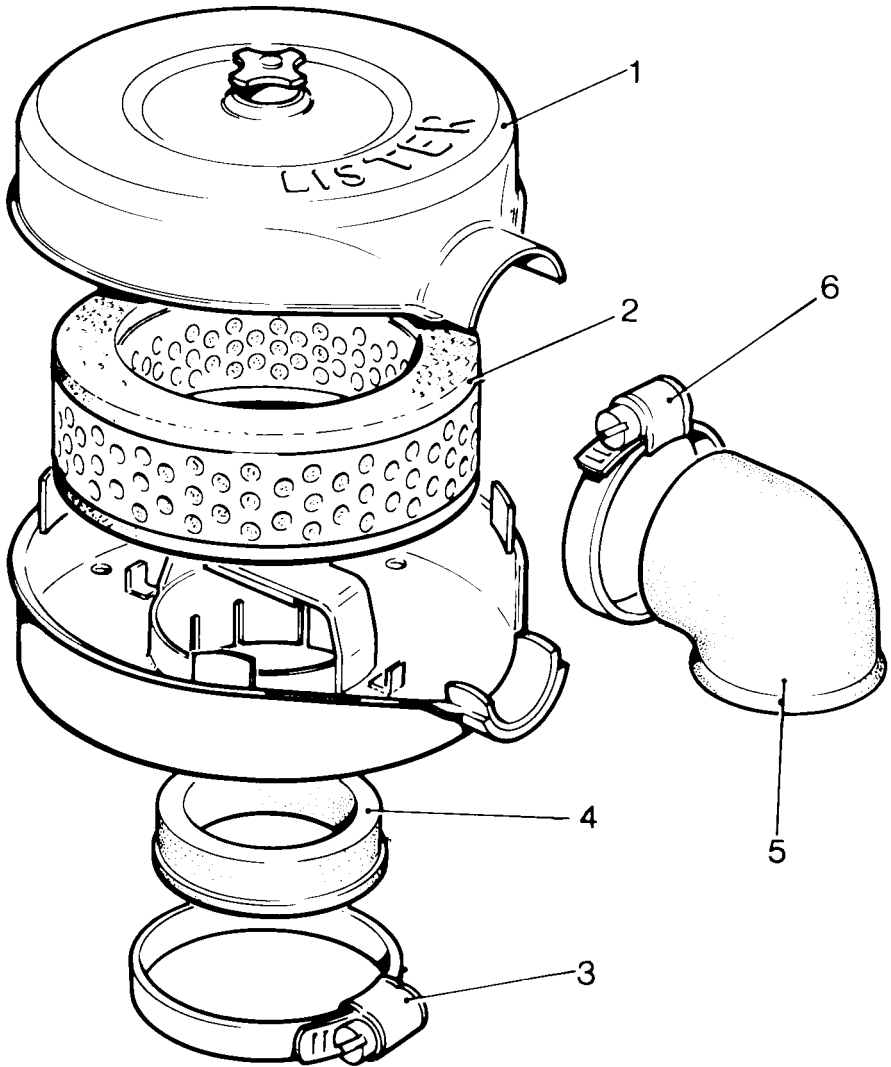


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6 1/2" CYCLOPAC AIR CLEANER - ST3 ©

ST1 CODE AC, & AD, ST2 CODE AD, ST3 CODE AF

Illus No.	Description	Part No.	ST		
			1	2	3
LISTER FOAM ELEMENT AIR CLEANER					
	LISTER FOAM ELEMENT AIR CLEANER ASSEMBLY - ST1	Code AD	1	-	-
1	AIR CLEANER - Including	366-06760	1	-	-
2	ELEMENT	366-06741	1	-	-
3	CLIP	027-04234	1	-	-
4	RUBBER BUSH	201-55790	1	-	-
-	CLEANING INSTRUCTION TRANSFER	366-06844	1	-	-
RUBBER AIR INTAKE ELBOW					
	RUBBER AIR INTAKE ELBOW ASSEMBLY - ST1 }	Code AC	1	-	-
	RUBBER AIR INTAKE ELBOW ASSEMBLY - ST2 } Comprises	Code AD	1	-	-
	RUBBER AIR INTAKE ELBOW ASSEMBLY - ST3 }	Code AF	1	-	-
5	ELBOW	366-06743	1	1	2
6	CLIP	027-04231	1	1	2



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LISTER FOAM ELEMENT AIR CLEANER & INLET BEND ©

ST2 CODE AC, ST3 CODE AD & AE

Illus No.	Description	Part No.	ST	
			2	3

All parts as illustrated on ST2 code AB or ST3

code AC 6 1/2" Cyclopac Air Cleaner.

CYCLOPAC AIR CLEANER (Supplied Loose)

AIR CLEANER COMPLETE - ST2	Code AC	1	-
AIR CLEANER COMPLETE - ST3	Code AD	-	1
AIR CLEANER ASSEMBLY Including	382-04369	1	1
ELEMENT	027-05420	1	1
MOUNTING BAND	382-04377	2	2
HOSE - Air Inlet	366-04142	1	1
CLIP	027-04234	4	2
HOSE	366-05870	1	-
AIR INLET MANIFOLD ASSEMBLY Comprising	366-05946	-	1
MANIFOLD ADAPTOR	203-81670	-	1
EXTENSION TUBE	203-20200	-	1
JOINT - Manifold Adaptor	203-81690	-	1
STUD - 3/8" UNF / UNC x 21/2"	270-00721	-	1
STUD - 3/8" UNF / UNC x 13/4"	270-00249	-	1

AIR INLET MANIFOLD ADAPTOR - To Suit

Cyclopac Air Cleaner

AIR INLET MANIFOLD ADAPTOR ASSEMBLY - ST3	Code AE	-	1
AIR INLET MANIFOLD ADAPTOR Comprising	366-05946	-	1
MANIFOLD ADAPTOR	203-81670	-	1
EXTENSION TUBE	203-20200	-	1
JOINT - Manifold Adaptor	203-81690	-	1
STUD - 3/8" UNF / UNC x 21/2"	270-00721	-	1
STUD - 3/8" UNF / UNC x 13/4"	270-00249	-	1

ST1 CODE QB, ST2 & 3 CODE QA

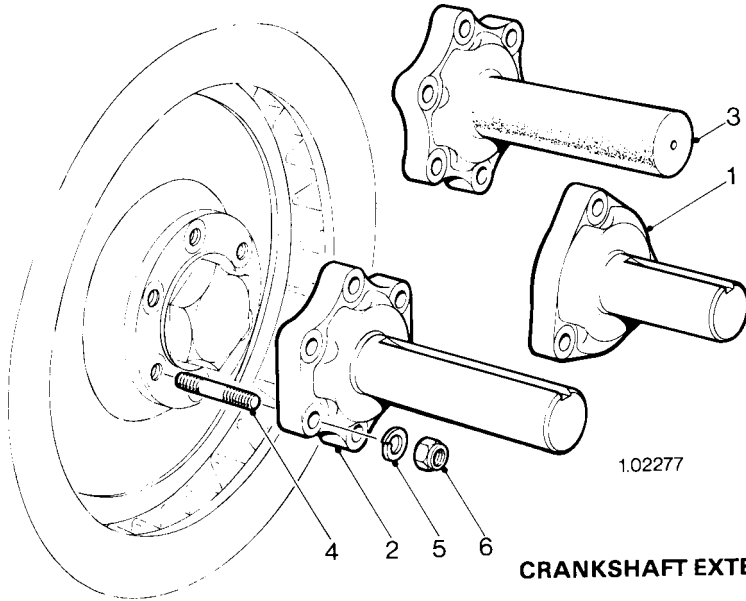
Illus No.	Description	Part No.	ST		
			1	2	3
HOLDING DOWN BOLTS					
	HOLDING DOWN BOLT ASSEMBLY - ST1	Code QB	1	-	-
	HOLDING DOWN BOLT ASSEMBLY - ST2 & 3	Code QA	-	1	1
	FOUNDATION BOLTS - 1/2" BSW x 5 1/4"	027-00584	4	4	4
	NUTS - 1/2" BSW	027-00022	4	4	4
	SPRING WASHER	027-00394	4	4	4

ST1, 2 & 3 CODE SK

SPANNERS

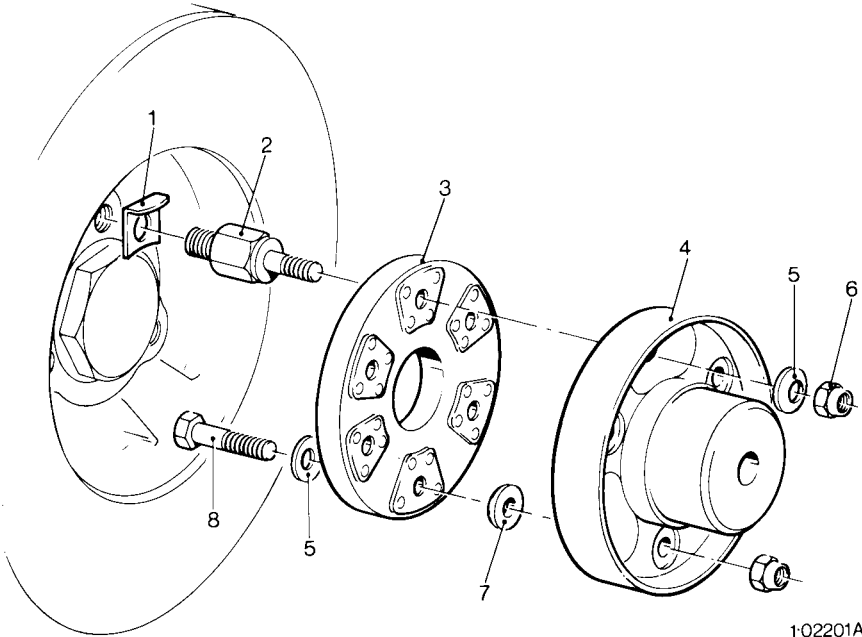
	SPANNER ASSEMBLY	Code SK	1	1	1
SPANNERS - supplied with engine					
	DOUBLE ENDED SPANNER 7/16" x 1/2" AF	027-03838	1	1	1
	DOUBLE ENDED SPANNER 9/16" BSF x 11/16" AF	027-04076	1	1	1
	DOUBLE ENDED SPANNER 3/8" x 7/16" Whit.	027-00399	1	1	1
	DOUBLE ENDED SPANNER 9/16" x 5/8" AF	027-03839	1	1	1
	SPECIAL FLAT SPANNER	027-04075	1	1	1

ST1,2 & 3 CODES BA, BB, BC



CRANKSHAFT EXTENSIONS ©

Illus No.	Description	Part No.	ST		
			1	2	3
CRANKSHAFT EXTENSIONS					
-	SHAFT EXTENSION ASSEMBLY - Short	Code BA	1	1	1
-	SHAFT EXTENSION ASSEMBLY - Long	Code BB	1	1	1
-	SHAFT EXTENSION ASSEMBLY - Unmachined	Code BC	1	1	1
CRANKSHAFT EXTENSION					
1	CRANKSHAFT EXTENSION - Short	201-80510	1	1	1
2	CRANKSHAFT EXTENSION - Long	201-80850	1	1	1
3	CRANKSHAFT EXTENSION - Unmachined	366-05722	1	1	1
4	STUD - 7/16" UNF x 21/4" Only 3 studs required	270-00471	3	6	6
5	SPRING WASHER for ST2 & 3 with	027-00984	3	6	6
6	NUT - Self Locking 7/16" UNF short extension	270-00311	3	6	6



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FLEXIBLE HALF COUPLING – Flywheel End ©

Illus No.	Description	Part No.	ST
	FLEXIBLE HALF COUPLING - Flywheel End		1
-	FLEXIBLE HALF COUPLING ASSEMBLY	Code BD	1
1	TAB WASHER	201-80950	3
2	COUPLING STUD	202-12800	3
3	FLEXIBLE DISC	030-00307	1
4	HALF COUPLING (11/16" (17.5mm) Pilot Bore)	201-23420	1
5	SPRING DISC WASHER	202-24060	6
6	NUT - Self Locking 3/8" UNF	270-00159	6
7	SPACING WASHER	201-13180	3
8	COUPLING BOLT	201-23430	3

ST2 & 3 CODE BD STI, 2 & 3 CODE BE, BF, BG, BH, BJ & BK

Illus No.	Description	Part No.	ST	
			2	3
FLEXIBLE COUPLING - Flywheel End				
-	FLEXIBLE HALF COUPLING ASSEMBLY	Code BD	1	1
1	COUPLING PLATE	202-80960	1	1
2	STUD - Coupling Plate 7/16" UNF x 15/8"	270-00392	3	3
3	NUT - Coupling Plate 7/16" UNF Self Locking	270-00311	3	3
4	SPRING DISC WASHER	639-10350	3	3
5	FLEXIBLE COUPLING DISC	203-82180	1	1
6	STUD - Flexible Coupling	203-12801	3	3
7	TAB WASHER	202-13170	3	3
8	NUT - Flexible Coupling 3/8" UNF Self Locking	270-00159	6	6
9	HALF COUPLING - Pilot Bored 11/16" (17.5mm) dia.	201-23420	1	1
10	DISTANCE PIECE	201-13180	3	3
11	BOLT	203-23430	3	3
12	SPRING DISC WASHER	202-24060	6	6

ST

1 2 3

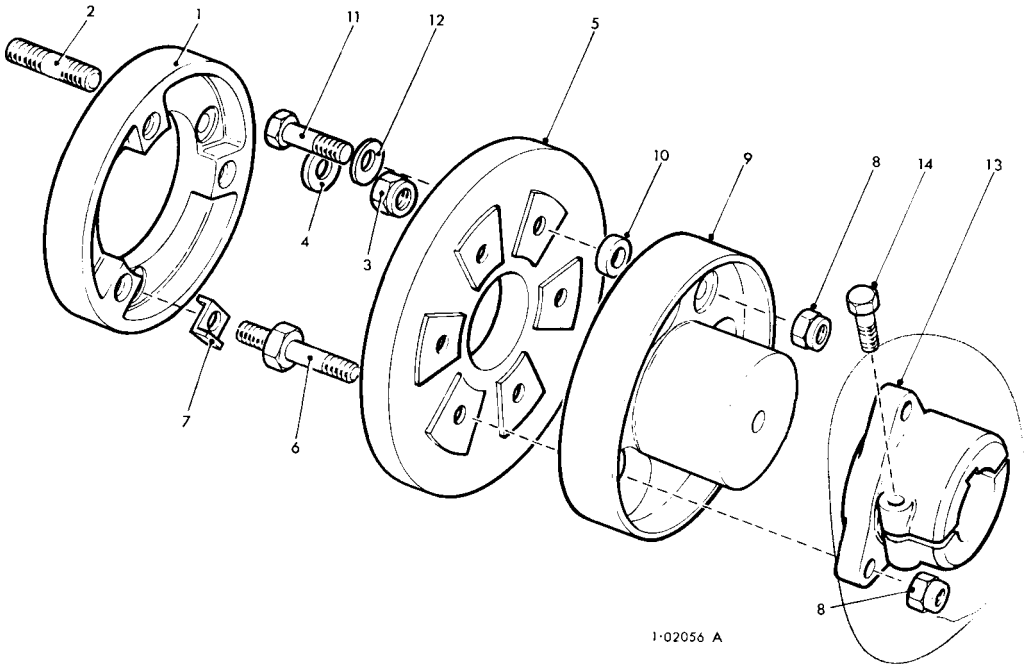
SPLIT BOSS COUPLING

Includes all items listed in CODE BD ST1, 2 & 3 cyl. but having a Split Boss Coupling as an alternative to the Half Coupling.



Code BE 1 1 1
 Code BF 1 1 1
 Code BG 1 1 1
 Code BH 1 1 1
 Code BJ 1 1 1
 Code BK 1 1 1

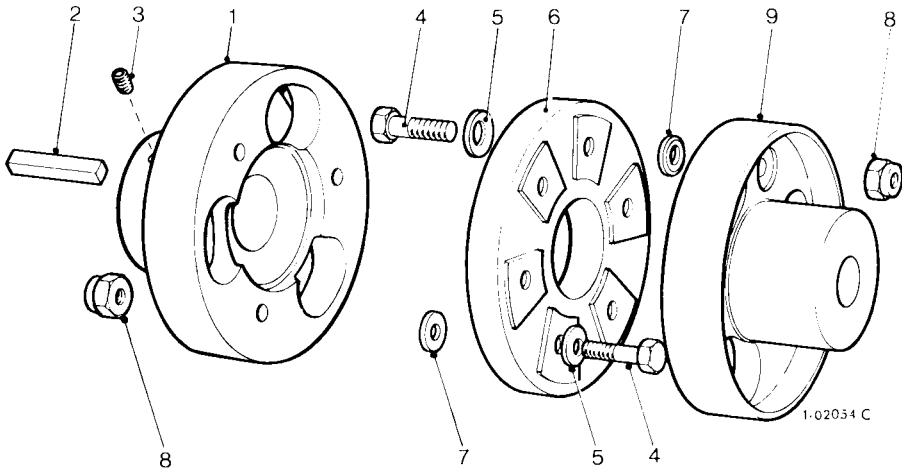
13	SPLIT BOSS COUPLING - CODE BE 11/16" (17.5mm)	201-12795	1	1	1
	SPLIT BOSS COUPLING - CODE BF 1" (25.4mm)	201-12792	1	1	1
	SPLIT BOSS COUPLING - CODE BG 11/4" (31.7mm)	201-12791	1	1	1
	SPLIT BOSS COUPLING - CODE BH 13/8" (35mm)	201-12793	1	1	1
	SPLIT BOSS COUPLING - CODE BJ 11/2" (38.1mm)	366-02137	1	1	1
	SPLIT BOSS COUPLING - CODE BK (32mm)	366-05823	1	1	1
14	CLAMPING BOLT - 5/16" UNF x 11/8"	270-00025	2	2	2



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FLEXIBLE COUPLING FLYWHEEL END ©

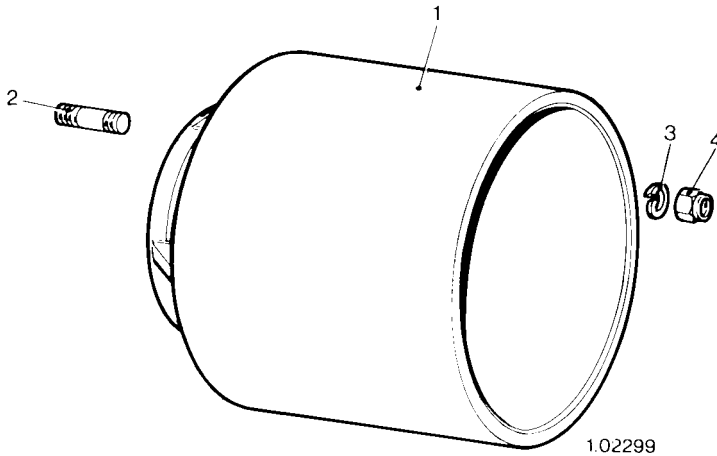
ST1, 2 & 3 CODE BL



FLEXIBLE WHOLE COUPLING ©

Illus No.	Description	Part No.	ST		
			1	2	3
FLEXIBLE WHOLE COUPLING					
-	FLEXIBLE WHOLE COUPLING ASSEMBLY	Code BL	1	1	1
1	FLEXIBLE HALF COUPLING 1 1/2" (38.1mm)	366-02796	1	1	1
2	KEY	027-00353	1	1	1
3	GRUB SCREW	027-01902	1	1	1
4	COUPLING BOLT	201-23430	6	6	6
5	SPRING DISC WASHER	202-24060	6	6	6
6	FLEXIBLE DISC - ST1	030-00307	1	-	-
-	FLEXIBLE DISC - ST2 & 3	203-82180	-	1	1
7	SPACING WASHER	201-13180	6	6	6
8	NUT - 3/8" UNF Self Locking	270-00159	6	6	6
-	FLEXIBLE HALF COUPLING 1 1/16" (17.5mm) Pilot Bore	201-23420	1	1	1

ST1 CODE BN, ST2 CODE BM, BN & BP, ST3 CODE BP

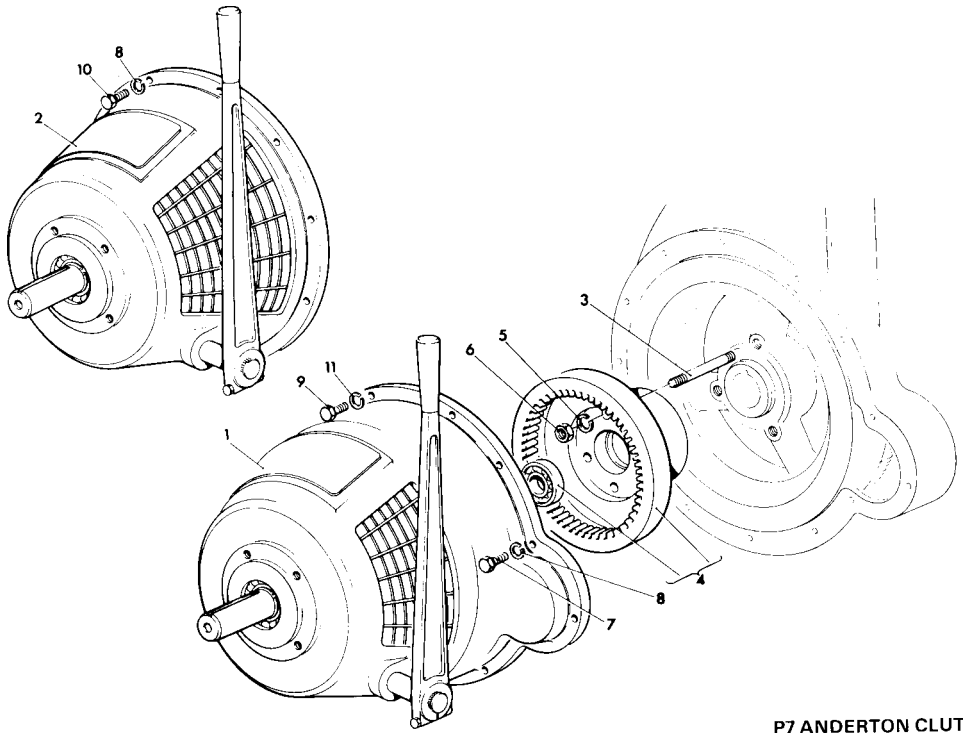


BOLT ON PULLEY TO FLYWHEEL ☺

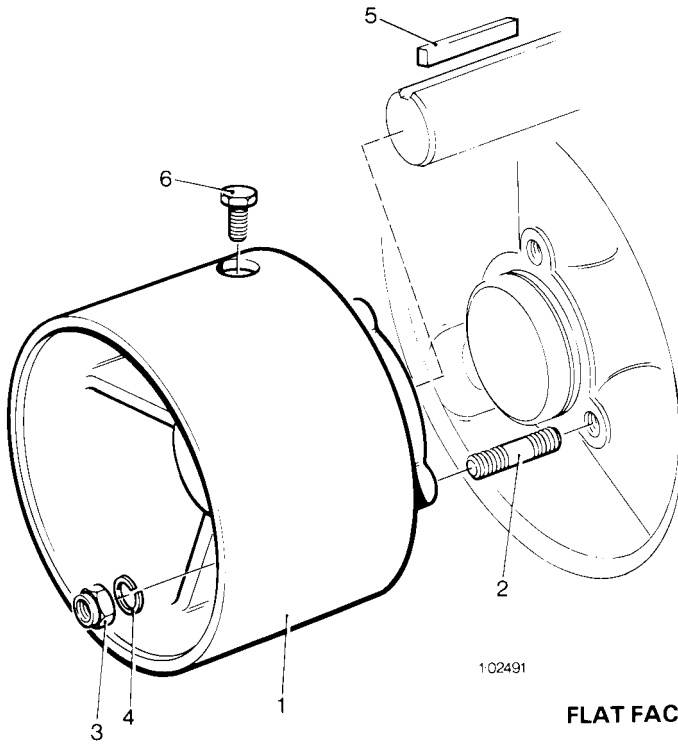
Illus No.	Description	Part No.	ST		
			1	2	3
BOLT ON PULLEY					
	BOLT ON PULLEY ASSEMBLY - ST2	Code BM	-	1	-
	BOLT ON PULLEY ASSEMBLY - ST1 & 2	Code BN	1	1	-
	BOLT ON PULLEY ASSEMBLY - ST2 & 3	Code BP	-	1	1
1	PULLEY - CODE BN ST1 } 8" (203mm) dia. x				
	PULLEY - CODE - BM ST2 } 6 1/2" (165mm) face	201-81170	1	1	-
-	PULLEY - CODE - BN 9" (229mm) dia. x 6 1/2"(165mm) face	201-81180	-	1	-
-	PULLEY - CODE - BP 10" (254mm) dia. x 6 1/2"(165mm) face	201-81190	-	1	1
2	STUD - 7/16" UNF x 11/2"	270-00298	3	6	6
3	SPRING WASHER	027-00984	3	6	6
4	NUT - 7/16" UNF Self Locking	270-00311	3	6	6

ST1 CODE BP, ST2 & 3 CODE BQ

Illus No.	Description	Part No.	ST		
			1	2	3
P7 ANDERTON CLUTCH					
	CLUTCH ASSEMBLY - ST1	Code BP	1	-	-
	CLUTCH ASSEMBLY - ST2 & 3	Code BQ	-	1	1
1	P7 ANDERTON CLUTCH - ST1	201-82680	1	-	-
2	P7 ANDERTON CLUTCH - ST2 & 3	202-82680	-	1	1
3	STUD	270-00735	3	6	6
4	DRIVING MEMBER	201-82670	1	1	1
5	SPRING WASHER	027-00984	3	6	6
6	NUT - 7/16" UNF	270-00005	3	6	6
7	SETSCREW - 3/8" UNF x 11/4"	270-00074	2	-	-
8	SPRING WASHER	027-00393	2	8	8
9	BOLT - 5/16" UNF x 11/8"	270-00025	10	-	-
10	BOLT - 3/8" UNC x 11/8"	270-00485	-	8	8
11	SPRING WASHER	027-00413	10	-	-
-	RELEASE SPRING	660-13900	3	3	3
-	TOGGLE PIN	660-13910	3	3	3
-	CIRCLIP	660-13920	18	18	18
-	SPRING WASHER	660-13930	1	1	1
-	FRICTION DISC	660-13940	1	1	1
-	TOGGLE LINK	660-13950	6	6	6
-	TOGGLE LEVER	660-13960	3	3	3
-	LINK PIN	660-13970	6	6	6
-	ADJUSTING SCREW	660-13980	1	1	1
-	MAIN SHAFT	660-13990	1	1	1
-	BEARING	660-14000	1	1	1
-	BEARING	660-14010	1	1	1



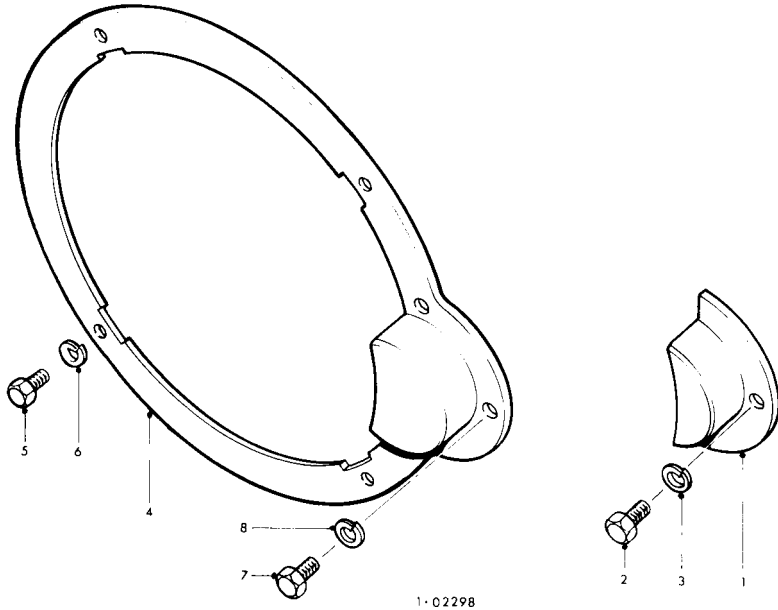
P7 ANDERTON CLUTCH ©



FLAT FACE PULLEY ©

Illus No.	Description	Part No.	ST
	FLAT FACE PULLEY - Bolt on Flywheel / Key on Shaft		1
-	FLAT FACE PULLEY ASSEMBLY	Code BT	1
1	PULLEY	366-06832	1
2	STUD - 7/16" UNF x 2"	270-00356	3
3	NUT - Self Locking - 7/16" UNF	270-00311	3
4	SPRING WASHER	027-00984	3
5	KEY	027-00353	1
6	SETSCREW - M8x 1.25-6g x 20mm	272-00039	1

ST1 CODE CB & CC

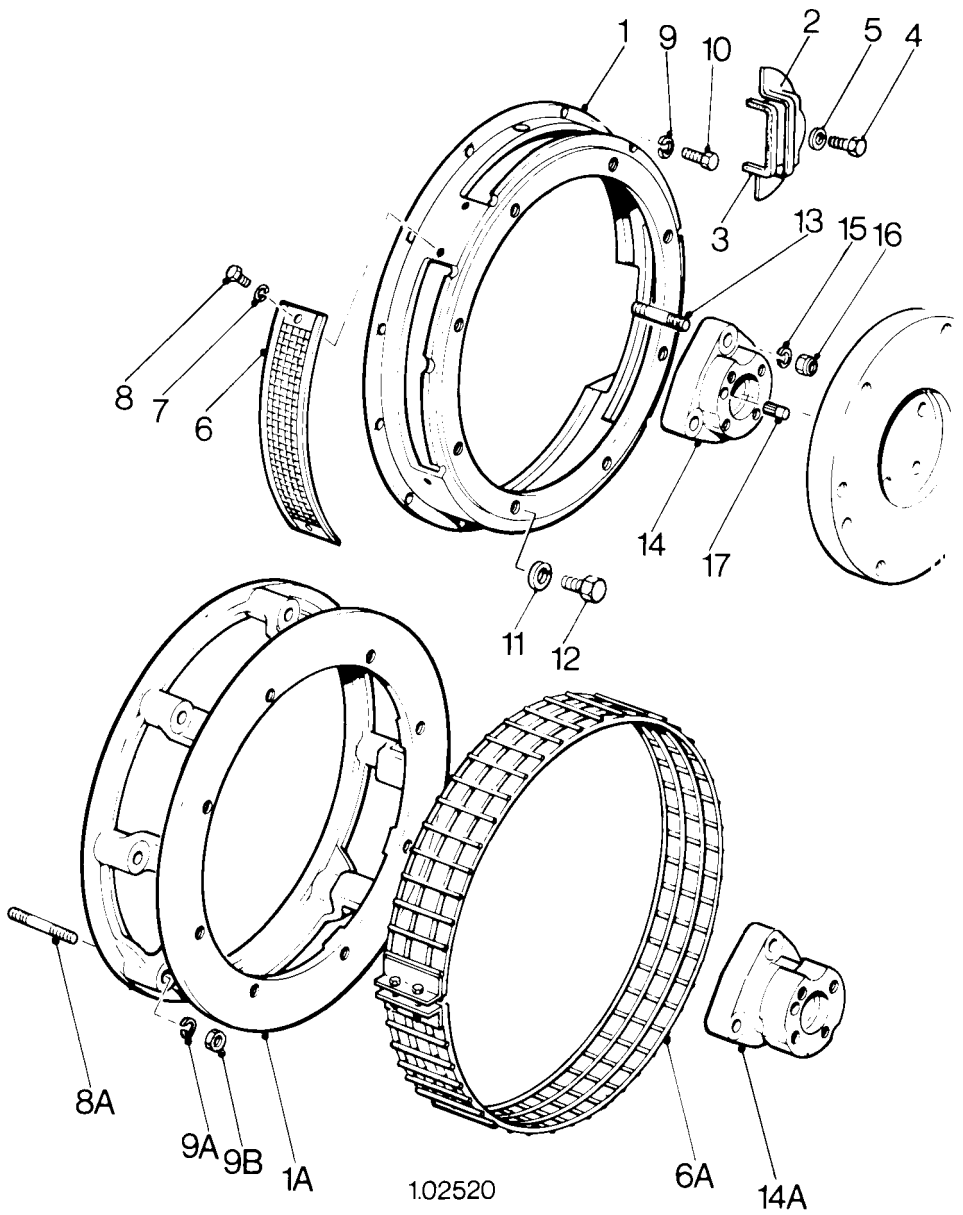


COVER PLATE & SEALING PLATE ©

Item No.	Description	Part No.	ST
COVER PLATE & SEALING PLATE			
	COVER PLATE ASSEMBLY	Code CC	1
	SEALING PLATE ASSEMBLY	Code CB	1
1	COVER PLATE	366-01325	1
2	SETSCREW - 3/8" UNF x 5/8" } ACW Rotation only	270-00161	1
3	SPRING WASHER	027-00393	1
4	SEALING PLATE	201-18520	1
5	SETSCREW - 5/16" UNF x 5/8"	270-00059	4
6	SPRING WASHER	027-00413	4
7	SETSCREW - 3/8" UNF x 5/8" } ACW Rotation only	270-00161	3
8	SPRING WASHER	027-00393	3

ST1 CODE BQ, BR & CA, ST2 CODES BS, BU, BY & CB,
ST3 CODE BS & CB

Illus No.	Description	Part No.	ST		
			1	2	3
GEARBOX & CLUTCH, SAE5 ADAPTOR & DRIVING MEMBER ASSEMBLIES					
-	GEARBOX & CLUTCH ASSEMBLY				
	GEARBOX & CLUTCH ASSEMBLY - ST1	Code BR	1	-	-
	GEARBOX & CLUTCH ASSEMBLY - ST2	Code BU	-	1	-
	GEARBOX & CLUTCH ASSEMBLY - ST2	Code BY	-	1	-
-	SAE 5 ADAPTOR ASSEMBLY ST1	Code CA	1	-	-
-	SAE 5 ADAPTOR ASSEMBLY ST2 & 3	Code CB	-	1	1
-	DRIVING MEMBER ASSEMBLY ST1	Code BQ	1	-	-
	DRIVING MEMBER ASSEMBLY ST2 & 3	Code BS	-	1	1
1	ADAPTOR - SAE No. 5 - ST1	201-14931	1	-	-
1A	ADAPTOR - SAE No. 5 - ST2 & 3	203-17050	-	1	1
2	SEALING COVER ASSEMBLY	570-15910	1	-	-
3	FELT	201-82940	1	-	-
4	SETSCREW - 3/8" UNF x 1 "	270-00073	3	-	-
5	SPRING WASHER	027-00393	3	-	-
6	GUARD - Adaptor - ST1	201-14070	3	-	-
6A	GUARD - Adaptor - ST2 & 3	366-06761	-	1	1
7	SPRING WASHER	027-00451	6	-	-
8	BOLT - Adaptor 1/4" UNF x 1/2"	270-00054	6	-	-
8A	STUD - Adaptor to Fanshroud 3/8" UNF / UNC x 3"	270-00323	-	8	8
9	SPRING WASHER - ST1	027-00413	10	-	-
9A	SPRING WASHER - ST2 & 3	027-00393	-	8	8
9B	NUT - 3/8" UNF	270-00004	-	8	8
10	BOLT - 5/16" UNF x 1"	270-00061	10	-	-
11	SPRING WASHER	027-00393	3	-	-
12	SETSCREW - 3/8" UNF X 1"	270-00073	3	-	-
13	STUD - 7/16" UNF x 21/2"	270-00402	3	3	3
14	DRIVING MEMBER - ST1	202-81230	1	-	-
14A	DRIVING MEMBER - ST2 & 3	203-81230	-	1	1
15	SPRING WASHER	027-00984	3	3	3
16	NUT - Self Locking 7/16" UNF	270-00311	3	3	3
17	DOWEL	351-13660	1	1	-

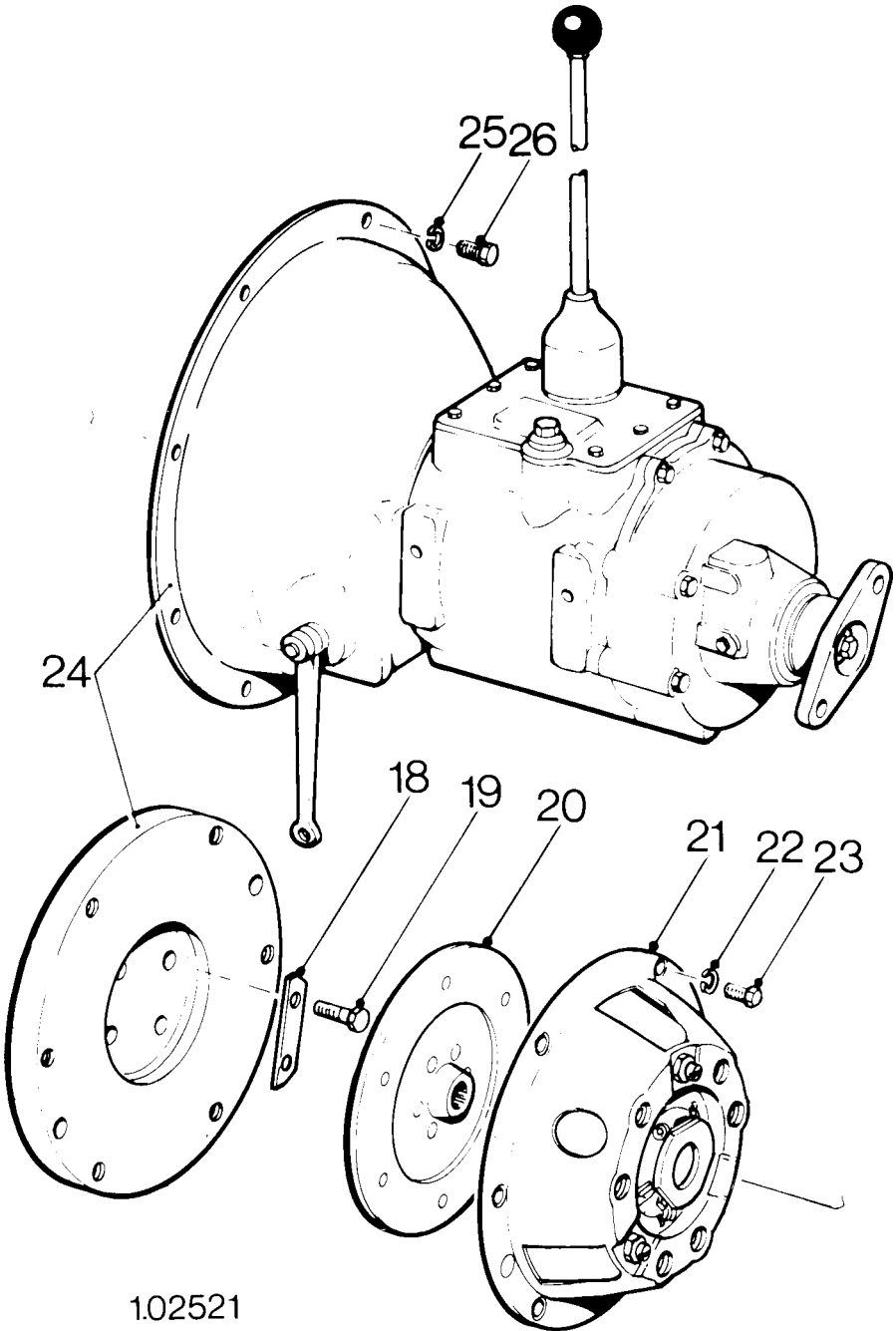


1.02520

SAE5 ADAPTOR, DRIVE MEMBER & NEWAGE GEARBOX ©

ST1 CODE BQ, BR & CA, ST2 CODES BS, BU, BY & CB,
 ST3 CODE BS & CB

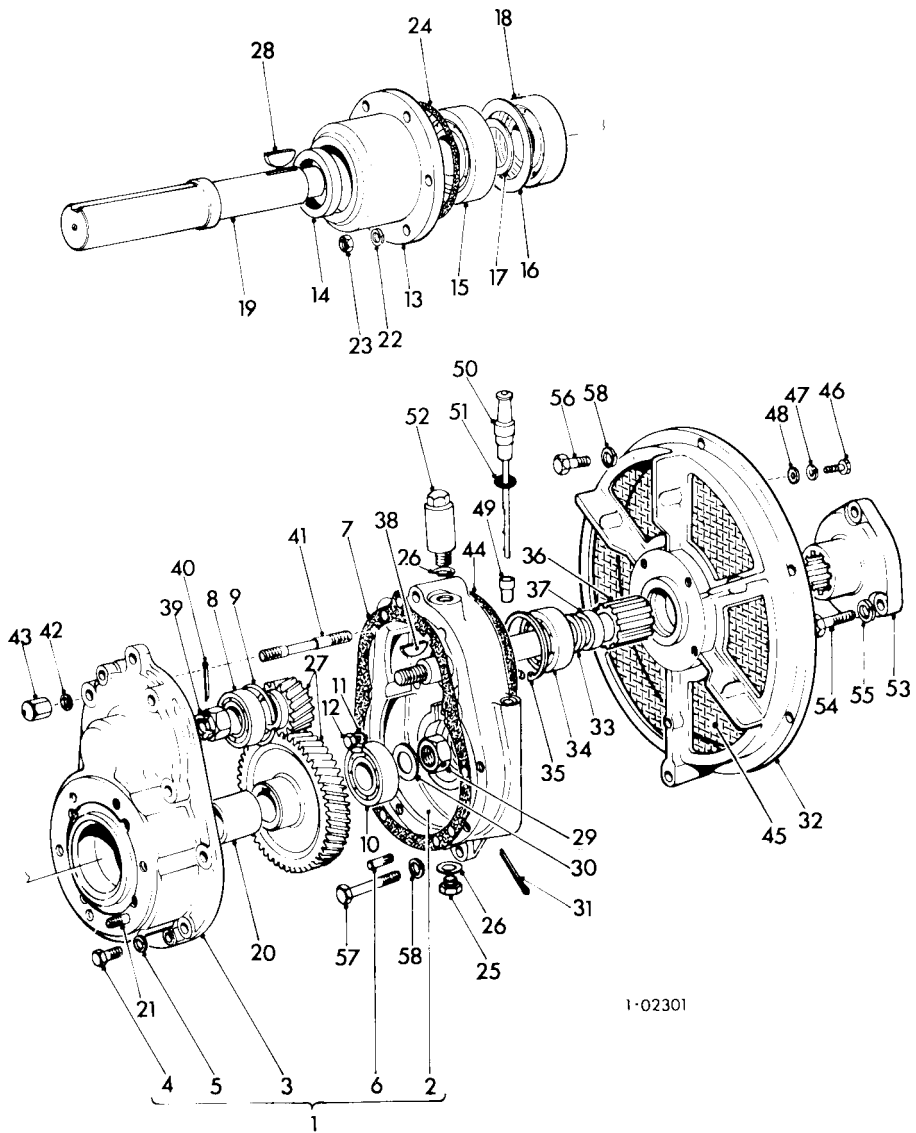
Illus No.	Description	Part No.	ST		
			1	2	3
GEARBOX & CLUTCH, SAE 5 ADAPTOR & DRIVING MEMBER ASSEMBLIES (Cont.)					
18	LOCKING PLATE	366-02346	2	2	-
19	SETSCREW - 5/16" UNF x 11/8"	270-00025	4	4	-
20	FRICTION PLATE ASSEMBLY	661-10720	1	1	-
21	CLUTCH ASSEMBLY - 8" Dia	366-04132	1	1	-
22	SPRING WASHER	027-00413	10	6	-
23	BOLT - 5/16" UNF x 3/4"	270-00060	6	6	-
24	GEAR BOX ASSEMBLY - with Reduction Gear				
	- ST1 & 2 PR Motors 40 M43	366-05726	1	1	-
	- ST2 40 M42	366-05838	-	1	-
25	SPRING WASHER	027-00393	8	8	-
26	SETSCREW - 3/8" UNF x 1 "	270-00073	8	-	-
	BOLT - 3/8" UNC x 1 "	270-00288	-	8	-



1.02521

ST2 & 3 CODE BR

Illus No.	Description	Part No.	ST	
			2	3
3:1 REDUCTION GEAR				
-	3:1 REDUCTION GEAR ASSEMBLY	Code BR	1	1
-	3:1 REDUCTION ASSEMBLY Complete	570-14710	1	1
1	GEAR CASE ASSEMBLY Comprising	570-10530	1	1
2	GEAR CASE	201-22200	1	1
3	END COVER	201-22210	1	1
4	SETSCREW-Gearbox Cover 5/16" UNF x 7/8"	270-00024	4	4
5	COPPER WASHER	616-01608	4	4
6	DOWEL	027-03677	2	2
7	JOINT - Gear Case End Cover	201-22370	1	1
8	ROLLER BEARING	201-17630	1	1
9	RETAINING RING - Bearing	201-14840	1	1
10	ROLLER BEARING	201-22400	1	1
11	RETAINING CLIP - Bearing	201-21060	1	1
12	SETSCREW - Clip 5/16" UNF x 3/8"	270-00172	1	1
13	BEARING HOUSING	201-22220	1	1
14	OIL SEAL - Housing	201-22420	1	1
15	ROLLER BEARING	201-22410	1	1
16	WASHER - Outer Spacer	201-22440	1	1
17	WASHER - Inner Spacer	201-22430	1	1
18	BALL BEARING	031-00936	1	1
19	SECONDARY SHAFT	201-22291	1	1
20	SPACER - Gear to Bearer	201-22380	1	1
21	STUD - 5/16" UNF x 11/2"	270-00083	6	6
22	SPRING WASHER	027-00413	6	6
23	NUT - 5/16" UNF	270-00003	6	6
24	OIL SEALING RING	292-10640	1	1
25	OIL DRAIN PLUG	011-13693	1	1
26	JOINT - Drain Plug & Breather	004-00197	2	2
27	PINION & GEARWHEEL ASSEMBLY - 3:1	570-11410	1	1
28	KEY - Shaft	027-02004	1	1
29	RETAINING NUT - Bearing	201-26400	1	1

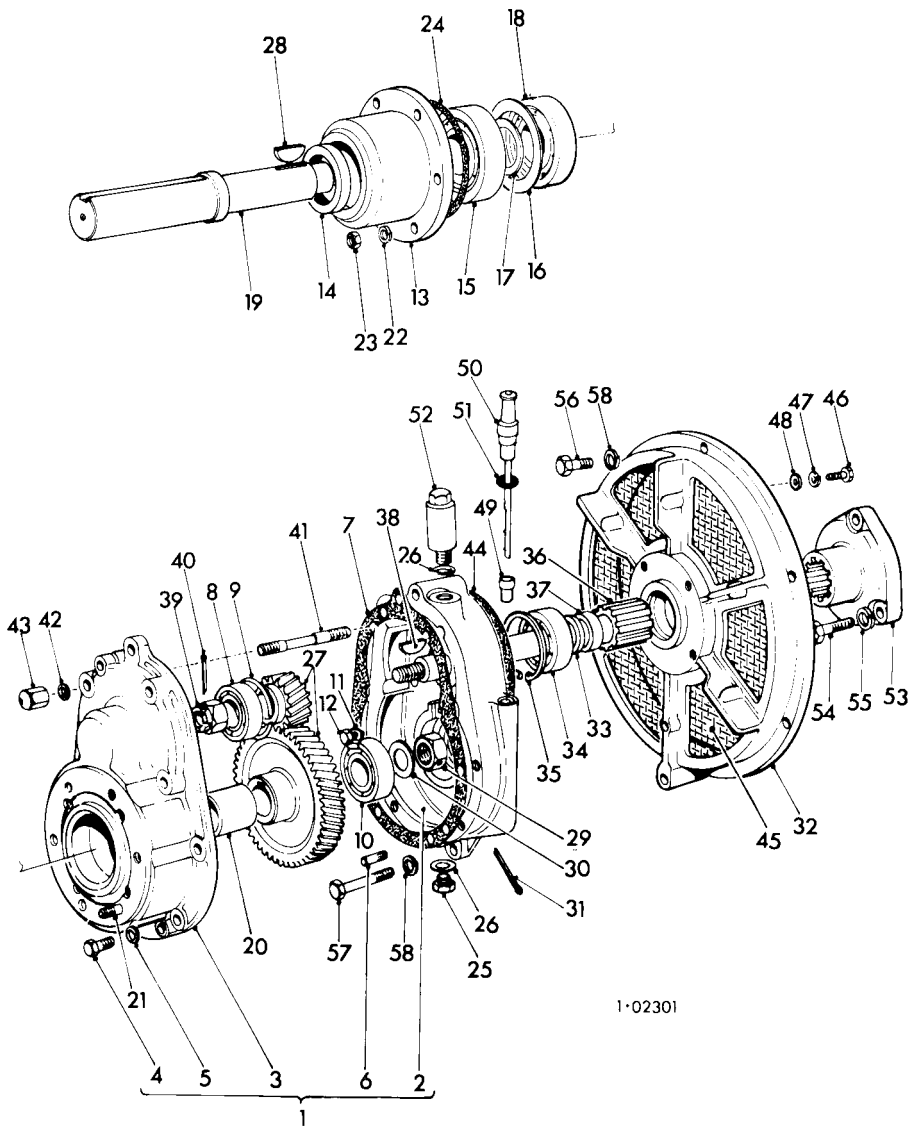


1-02301

3:1 REDUCTION GEAR ©

ST2 & 3 CODE BR

Illus No.	Description	Part No.	ST	
			2	3
3:1 REDUCTION GEAR ASSEMBLY (Cont.)				
30	SHIM - Bearing	201-26410	as reqd.	
31	SPLIT PIN	027-02253	1	1
32	ADAPTOR	202-16100	1	1
33	OIL SEAL	202-16240	1	1
34	ROLLER BEARING	031-10134	1	1
35	CIRCLIP - Bearing	202-16250	1	1
36	DRIVING SHAFT	201-22620	1	1
37	SPACER - Bearing	202-16130	2	2
38	KEY - Pinion	027-01228	1	1
39	SLOTTED NUT	204-24930	1	1
40	SPLIT PIN	027-00121	1	1
41	STUD - Gearbox to Adaptor	201-17590	4	4
42	COPPER WASHER	616-01608	4	4
43	NUT - Domed 5/16" UNF Brass	270-00046	4	4
44	JOINT - Reduction Gear to Adaptor	201-17710	1	1
45	ADAPTOR GUARD	202-16060	1	1
46	BOLT - Adaptor Guard 1/4" UNC x 5/8"	270-00285	6	6
47	SPRING WASHER	027-00451	6	6
48	PLAIN WASHER	027-00618	6	6
49	DIPSTICK ADAPTOR	027-04344	1	1
50	DIPSTICK ASSEMBLY 3:1 Including	570-10200	1	1
51	'O' RING	201-13120	1	1
52	OIL BREATHER ASSEMBLY	570-10780	1	1
53	CRANKSHAFT EXTENSION	201-80920	1	1
54	BOLT-Crankshaft Extension 7/16"UNF x 1 1/2"	270-00317	3	3
55	SPRING WASHER	027-00984	3	3
56	BOLT - Adaptor to Fanshroud 3/8" UNC x 7/8"	270-00286	7	7
57	BOLT - Adaptor & Gearbox to Fanshroud 3/8" UNC x 3"	270-00373	1	1
58	SPRING WASHER	027-00393	8	8

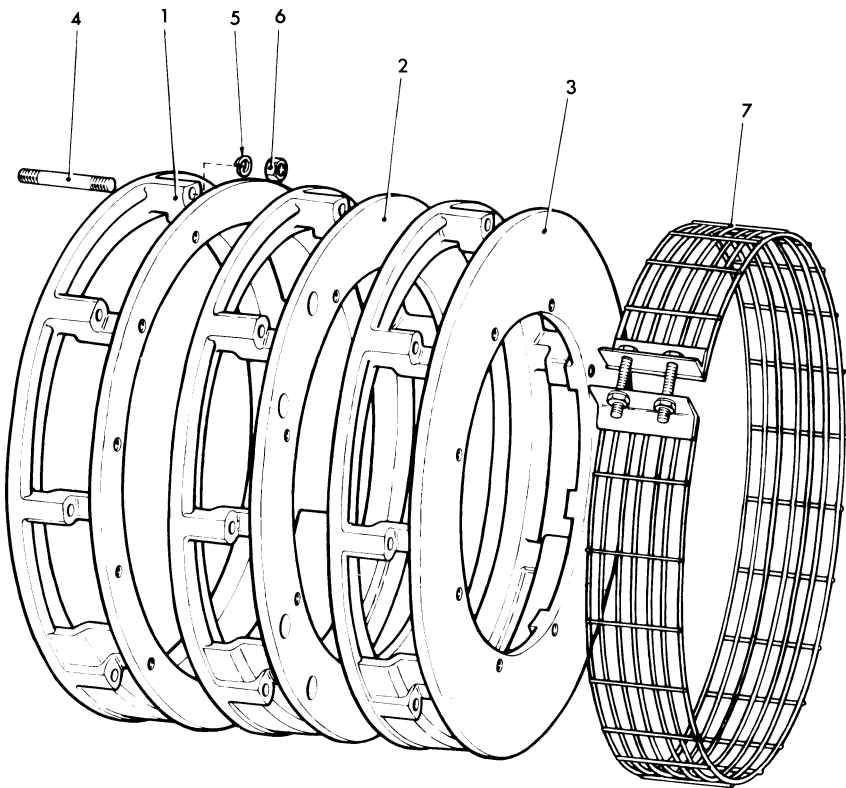


1-02301

3:1 REDUCTION GEAR ©

ST2 CODE CA, CC & CD, ST3 CODE CA & CC

Ilus No.	Description	Part No.	ST			
			2	3		
S.A.E. ADAPTORS (For standard S.A.E.5 See Index)						
-	ADAPTOR ASSEMBLY - ST2 & 3 S.A.E.4	Code CA	1	1		
-	ADAPTOR ASSEMBLY - ST2 S.A.E.5 Special for Benford	Code CC	1	-		
-	ADAPTOR ASSEMBLY - ST2	Code CD	1	-		
-	ADAPTOR ASSEMBLY - ST3 S.A.E.6	Code CC	-	1		
1	S.A.E. ADAPTOR - No.4	202-18350	1	1		
2	S.A.E. ADAPTOR - No.5 Special Benford	366-02272	1	-		
3	S.A.E. ADAPTOR - No.6	203-14980	1	1		
4	STUD - 3/8" UNC / UNF x 3"	270-00323	8	8		
5	SPRING WASHER	027-00393	8	8		
6	NUT - 3/8" UNF	270-00004	8	8		
7	GUARD ASSEMBLY	366-06761	1	1		
-	SETSCREW	} For securing	270-00641	2	2	
-	SPRING WASHER		Guard	027-00717	2	2
-	NUT		(item 7)	270-00001	2	2

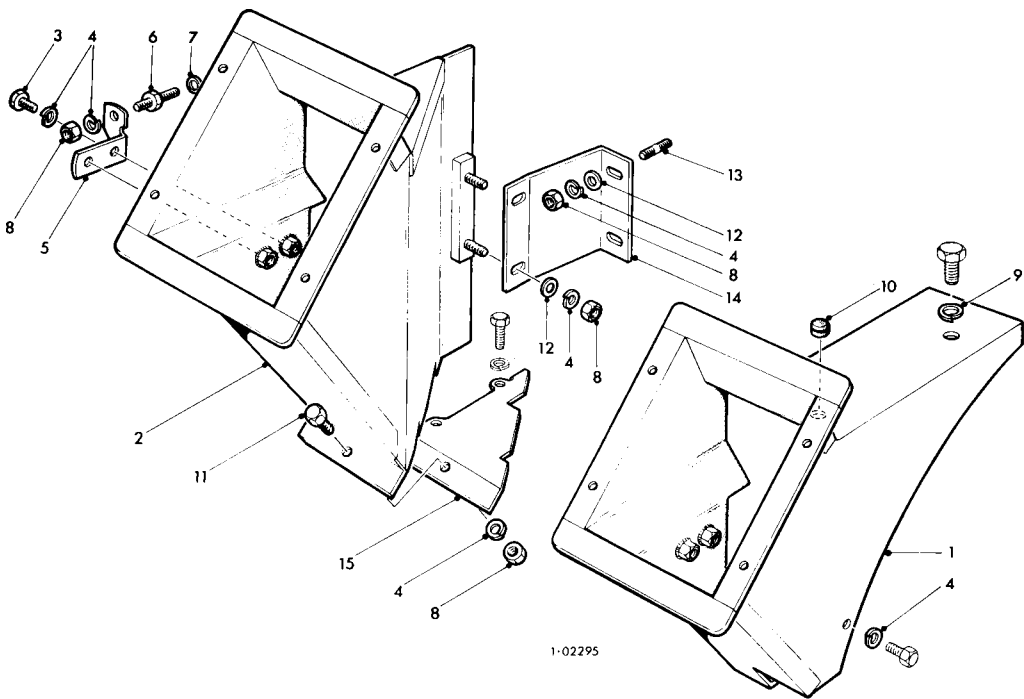


1-02292 A

S.A.E. ADAPTORS ©

ST1 CODE DA & DB

Illus No.	Description	Part No.	ST
	AIR DUCT ADAPTOR - ST1		
	AIR DUCT ASSEMBLY - CW	Code DA	1
	AIR DUCT ASSEMBLY - ACW	Code DB	1
1	AIR DUCT ASSEMBLY - CW	366-06288	1
2	AIR DUCT ASSEMBLY - ACW	366-06310	1
3	SETSCREW - 1/4"UNF x 5/8"	270-00023	2
4	SPRING WASHER - 8 for ACW	027-00451	4
5	SUPPORT BRACKET	366-06289	1
6	STUD - F.P.H. DOOR	366-06276	1
7	COPPER WASHER	291-26090	1
8	NUT - 1/4" UNF - 6 for ACW	270-00002	1
9	SPRING WASHER - CW	027-00413	1
10	GROMMET - CW	201-13960	1
11	SETSCREW-1/4" UNF x 1/2" - ACW	270-00054	1
12	PLAIN WASHER - ACW	027-00618	4
13	STUD - 1/4"UNF / UNC x 3/4" - ACW	270-00377	2
14	BRACKET - ACW	366-06326	1
15	BOTTOM PLATE - ACW	366-06325	1

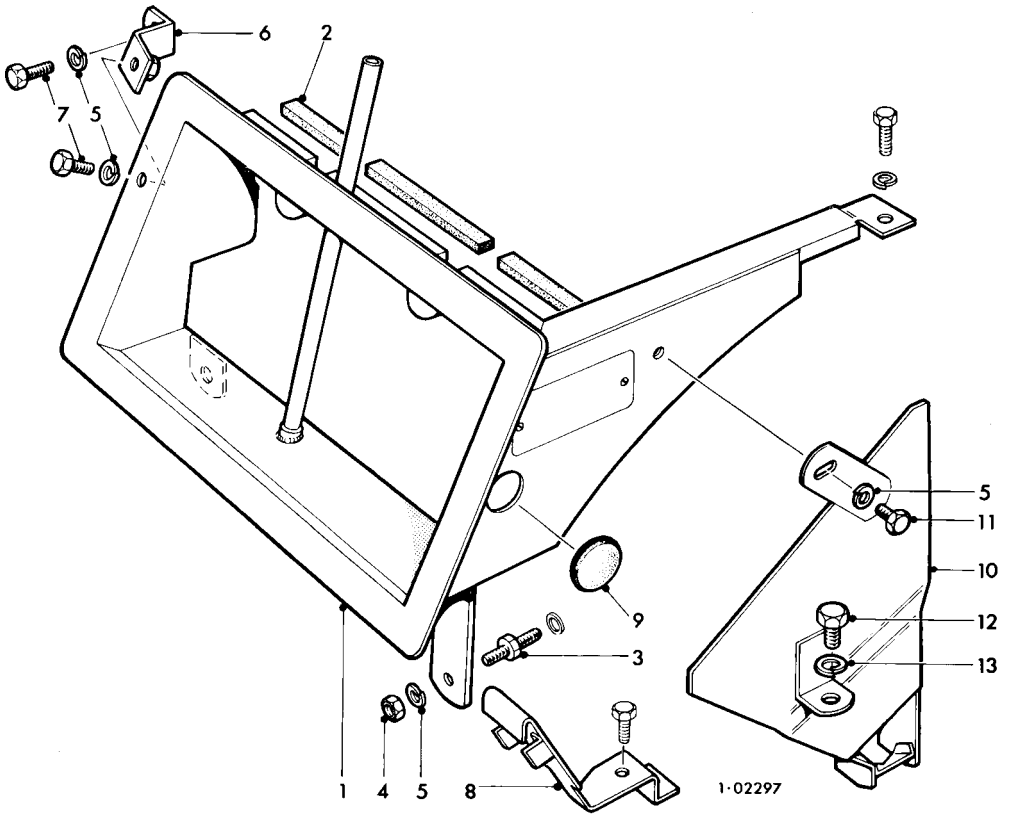


1-02295

AIR DUCT ADAPTOR ©

ST2 & 3 CODE DA & DB

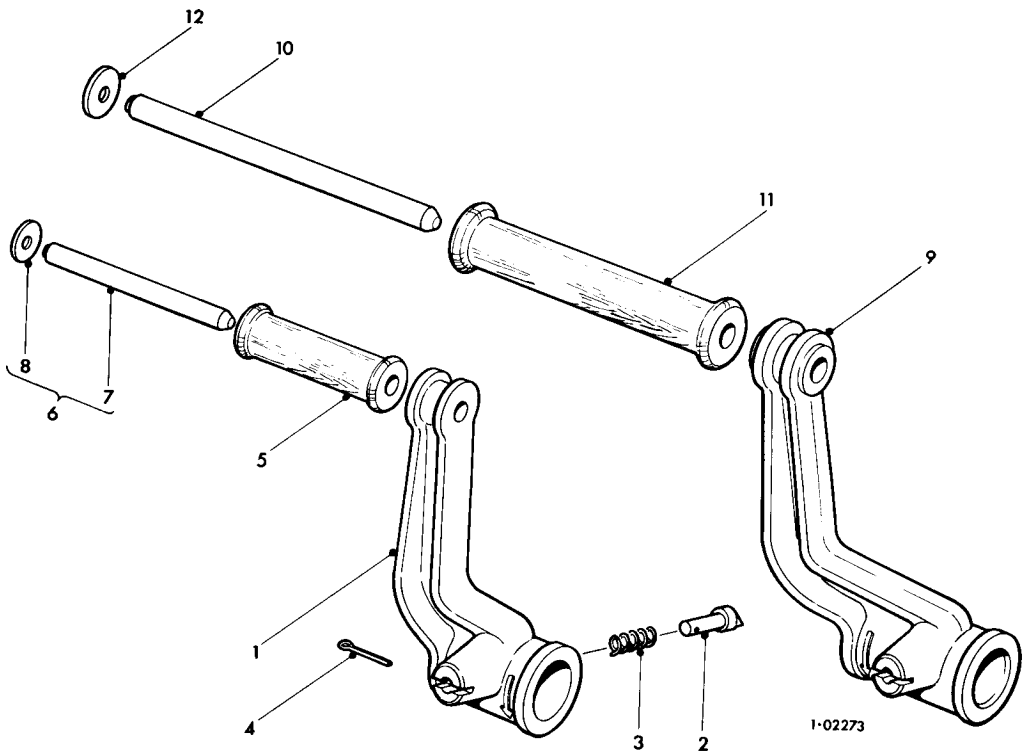
Illus No.	Description	Part No.	ST	
			2	3
AIR DUCT ADAPTOR - ST2 & 3				
	AIR DUCT ADAPTOR - CW	Code DA	1	1
	AIR DUCT ADAPTOR - ACW	Code DB	1	1
-	AIR OUTLET DUCT Complete - ST2	366-06360	1	-
1	AIR OUTLET DUCT Complete - ST3	366-06459	-	1
2	JOINTING FELT - ST2	366-03029	1	-
	JOINTING FELT - ST3	366-06468	-	1
3	HEXAGON STUD	366-06276	2	2
4	NUT - 1/4" UNF	270-00002	2	2
5	SPRING WASHER	027-00451	6	6
-	BRACKET - Fuel Pump Housing Door to Air Duct	366-00910	1	-
6	BRACKET - Fuel Filter Bracket to Air Duct	366-06666	-	1
-	PACKING WASHER	027-00618		as reqd
7	SETSCREW - 1/4" UNF x 5/8" Bracket to Duct	270-00023	1	2
8	AIR DEFLECTOR PLATE - CW	366-06373	1	1
-	SETSCREW - 1/4" UNF x 7/8" Bracket to Fuel Pump Housing Door	270-00114	1	-
9	BLANKING GROMMET - No temperature gauge or switch	201-50950	1	1
-	GROMMET - With temperature gauge or switch	354-31620	1	1
	SETSCREW - 1/4" UNF x 1/2" CW	270-00054	1	-
-	COPPER WASHER - CW	616-01414	1	-
10	CONVERSION PLATE ASSEMBLY - ACW	366-06403	1	1
11	SETSCREW -1/4" UNF x 1/2" Conversion Plate to Air Duct-ACW	270-00054	1	1
12	BOLT - 5/16" UNC x 5/8" Conversion Plate to Fanshroud-ACW	270-00404	1	1
13	SPRING WASHER - ACW	027-00413	1	1



AIR DUCT ADAPTORS—ST2 & 3 ©

ST1 & 2 CODE EA, EB, EC, & ED, ST3 CODE EC & ED

Illus No.	Description	Part No.	ST		
			1	2	3
STARTING HANDLE					
STARTING HANDLE ASSEMBLY					
	SHORT-Comprising - CW	Code EA	1	1	-
	SHORT-Comprising - ACW	Code EB	1	1	-
1	CRANK - CW	201-12500	1	1	-
	CRANK - ACW	201-13310	1	1	-
2	CLUTCH PIN	002-00125	1	1	-
3	SPRING - Clutch Pin	002-00126	1	1	-
4	SPLIT PIN	027-00120	1	1	-
5	WOOD GRIP	003-00364	1	1	-
6	QUILL IRON & WASHER ASSEMBLY Comprising	570-13200	1	1	-
7	QUILL IRON	201-12520	1	1	-
8	WASHER	027-00085	1	1	-
STARTING HANDLE ASSEMBLY					
	LONG - Comprising - CW	code EC	1	1	1
	LONG - Comprising - ACW	code ED	1	1	1
9	CRANK - CW	291-25624	1	1	1
	CRANK - ACW	291-25625	1	1	1
2	CLUTCH PIN	002-00125	1	1	1
3	SPRING - Clutch Pin	002-00126	1	1	1
4	SPLIT PIN	027-00120	1	1	1
10	GRIP PIN	291-40900	1	1	1
11	WOOD GRIP	028-00078	1	1	1
12	GRIP WASHER	027-00083	1	1	1

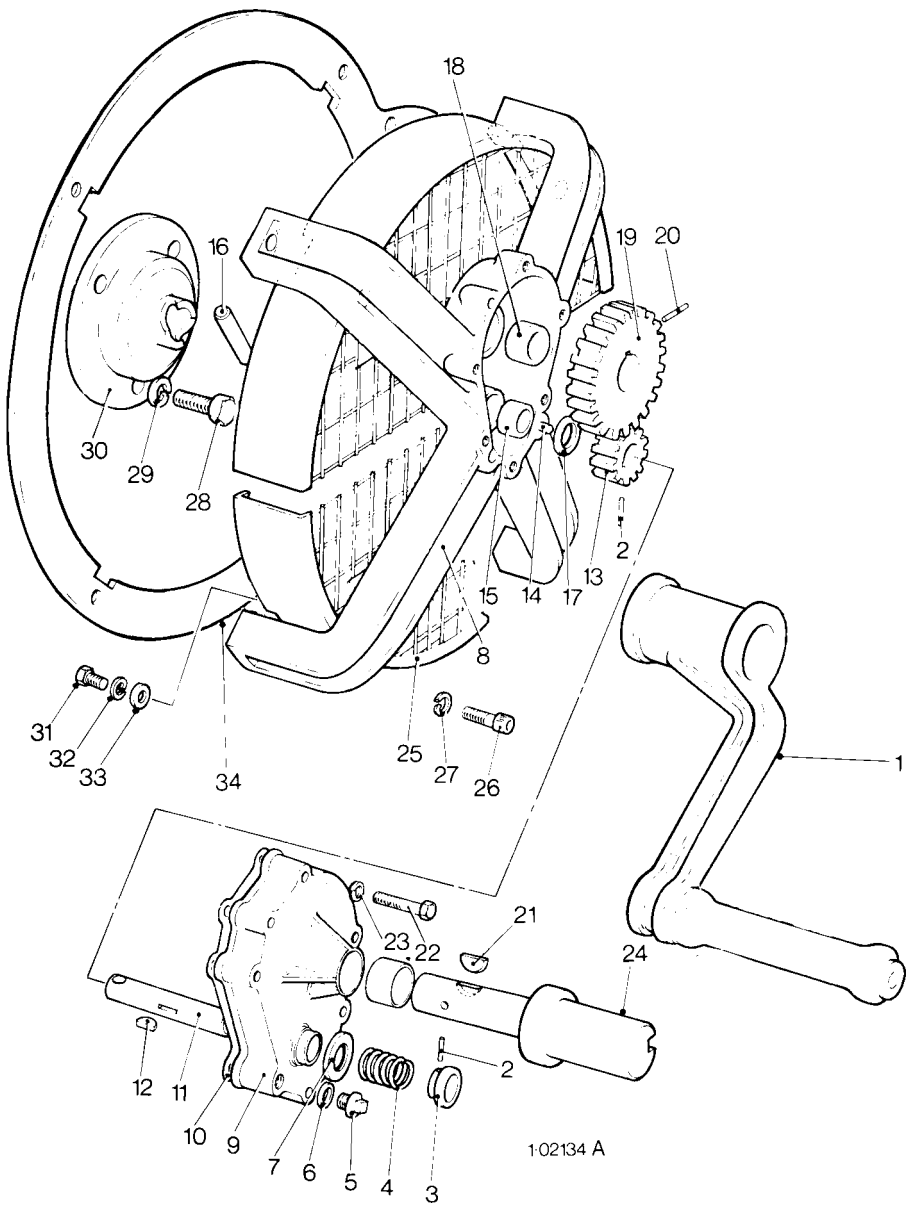


1-02273

STARTING HANDLE ©

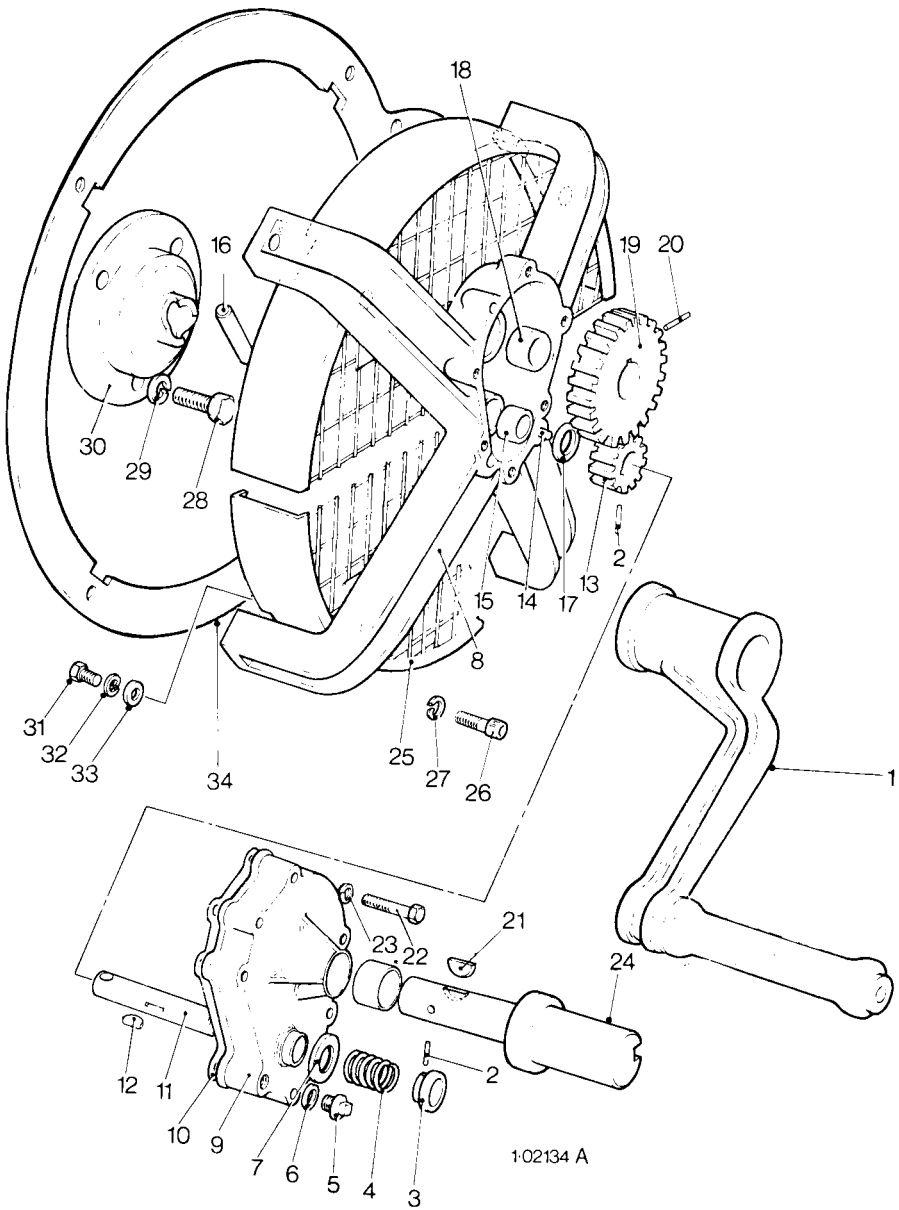
ST1 CODE EE & EF

Illus No.	Description	Part No.	ST
			1
GEARED UP STARTING - ST1			
-	GEARED UP STARTING ASSEMBLY CW	Code EE	1
-	ACW	Code EF	1
1	STARTING HANDLE - CW } The handle has the	201-13320	1
	STARTING HANDLE - ACW } opposite rotation to	201-12510	1
-	GEARED UP STARTING ASSEMBLY Comprising	570-14250	1
2	PIN - Engagement Shaft	027-00630	2
3	KNOB - Engagement Shaft	202-16280	1
4	SPRING - Engagement Shaft Release	202-16270	1
5	PLUG - Gear Box Oil Filler	008-02006	1
6	JOINT - Gear Box Oil Filler	004-00197	1
7	RELEASE WASHER Engagement Shaft	202-16300	1
8	GEAR BOX } Not supplied separately	201-18530	1
9	COVER }	202-16050	1
10	JOINT - Gear Box	202-16350	1
11	ENGAGEMENT SHAFT	202-16361	1
12	KEY - Engagement Shaft	027-00566	1
13	GEAR - Engagement Shaft	202-16330	1
14	DOWEL - Gear Box	027-03677	2
15	BUSH - Engagement Shaft	202-16310	2
16	PIN - Shaft Clutch	210-00143	1
17	WASHER - Clutch Pin	202-16290	1
18	BUSH - Shaft Extension	202-16320	2
19	GEAR - Shaft Extension	202-16340	1
20	PIN - Shaft Extension	027-01442	1
21	KEY - Shaft Extension	027-00566	1
22	SETSCREW - Gear Box 1/4" UNC x 1"	270-00262	6
23	SPRING WASHER	027-00451	6
24	SHAFT EXTENSION	366-01007	1



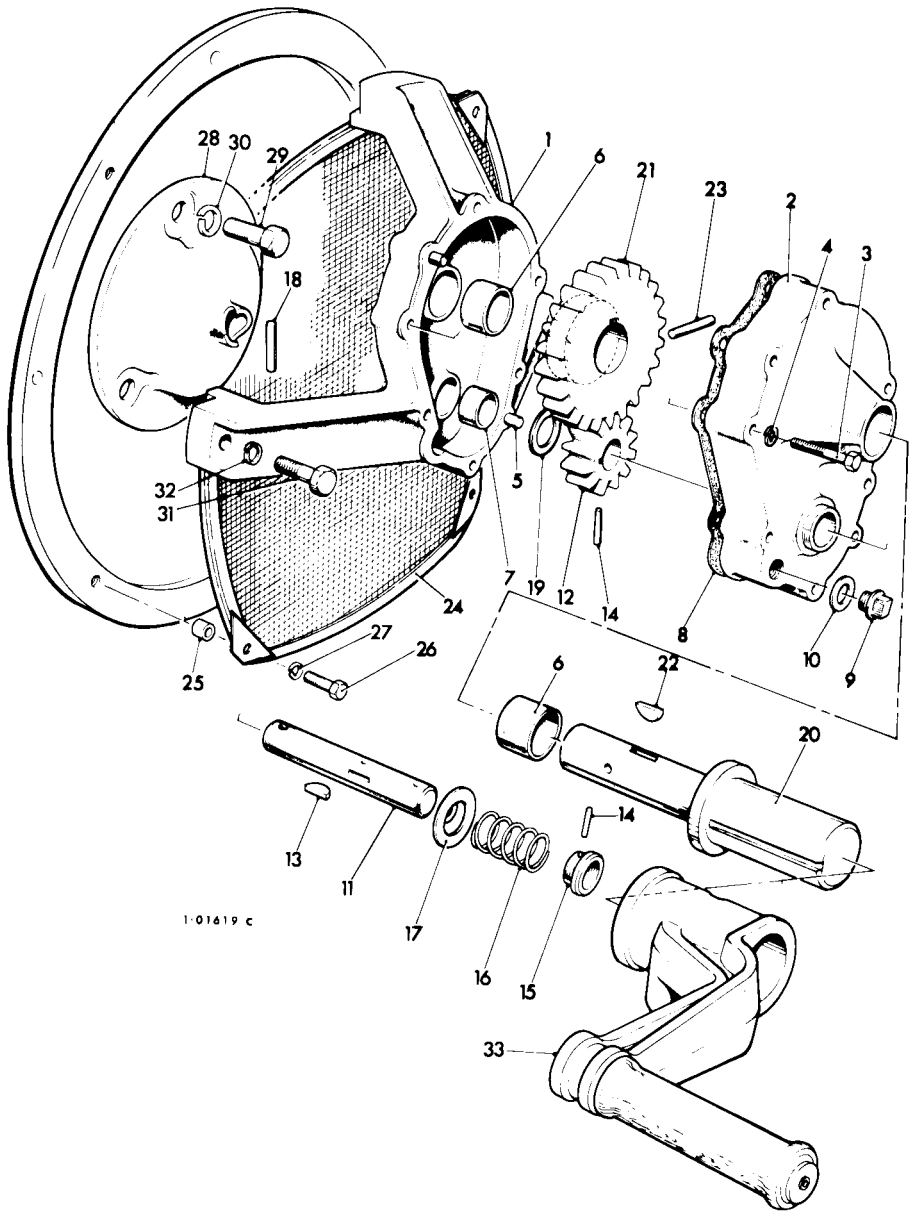
ST1 CODE EE & EF

Illus No	Description	part No.	ST 1
GEARED UP STARTING - ST1 (Cont.)			
25	GUARD - Flywheel	366-04096	1
-	BOTTOM HALF	366-04194	1
-	TOP HALF	366-04193	1
26	SOCKET SETSCREW - Gear Box 5/16" UNF x 1"	270-00048	4
27	SPRING WASHER	027-00413	4
28	BOLT - Starting Dog Plate 7/16" UNF x 1"	270-00335	3
29	SPRING WASHER - Starting Dog Plate	027-00984	3
30	STARTING DOG PLATE - CW	201-80990	1
-	STARTING DOG PLATE - ACW	201-81000	1
31	SETSCREW - 1/4" UNC x 5/8"	270-00285	4
32	SPRING WASHER	027-00451	4
33	WASHER	027-00618	4
34	SEALING PLATE	201-18520	1
-	BOLT - 3/8" UNF x 5/8"	270-00161	3
-	SPRING WASHER	027-00393	3



ST2 & 3 CODE EE & EF

Illus No.	Description	Part No.	ST	
			1	2
GEARED UP STARTING - ST2 & 3				
	GEARED UP STARTING ASSEMBLY - CW	Code EE	1	1
	GEARED UP STARTING ASSEMBLY - ACW	Code EF	1	1
	GEARED UP STARTING ASSEMBLY Comprising	570-15300	1	1
1	GEAR BOX Not supplied separately	202-16091	1	1
2	COVER Not supplied separately	202-16050	1	1
3	SETSCREW - Gearbox 1/4" UNC x 1	270-00262	6	6
4	SPRING WASHER	027-00451	6	6
5	DOWEL - Gearbox	027-03677	2	2
6	BUSH - Shaft Extension	202-16320	2	2
7	BUSH - Engagement Shaft	202-16310	2	2
8	JOINT - Gear box	202-16350	1	1
9	PLUG - Oil Filler	008-02006	1	1
10	JOINT - Oil Filler Plug	004-00197	1	1
11	ENGAGEMENT SHAFT	202-16361	1	1
12	GEAR - Engagement Shaft	202-16330	1	1
13	KEY - Engagement Shaft Gear	027-00566	1	1
14	PIN - Engagement Shaft	027-00630	2	2
15	KNOB - Engagement Shaft	202-16280	1	1
16	RELEASE SPRING - Engagement Shaft	202-16270	1	1
17	WASHER - Release Spring	202-16300	1	1
18	CLUTCH PIN - Engagement Shaft	210-00143	1	1
19	WASHER - Clutch Pin	202-16290	1	1
20	STARTING SHAFT	366-01007	1	1
21	GEAR - Starting Shaft	202-16340	1	1
22	KEY - Starting Shaft	027-00566	1	1
23	PIN - Starting Shaft	027-01442	1	1
24	GUARD - Geared up Start	366-06393	1	1



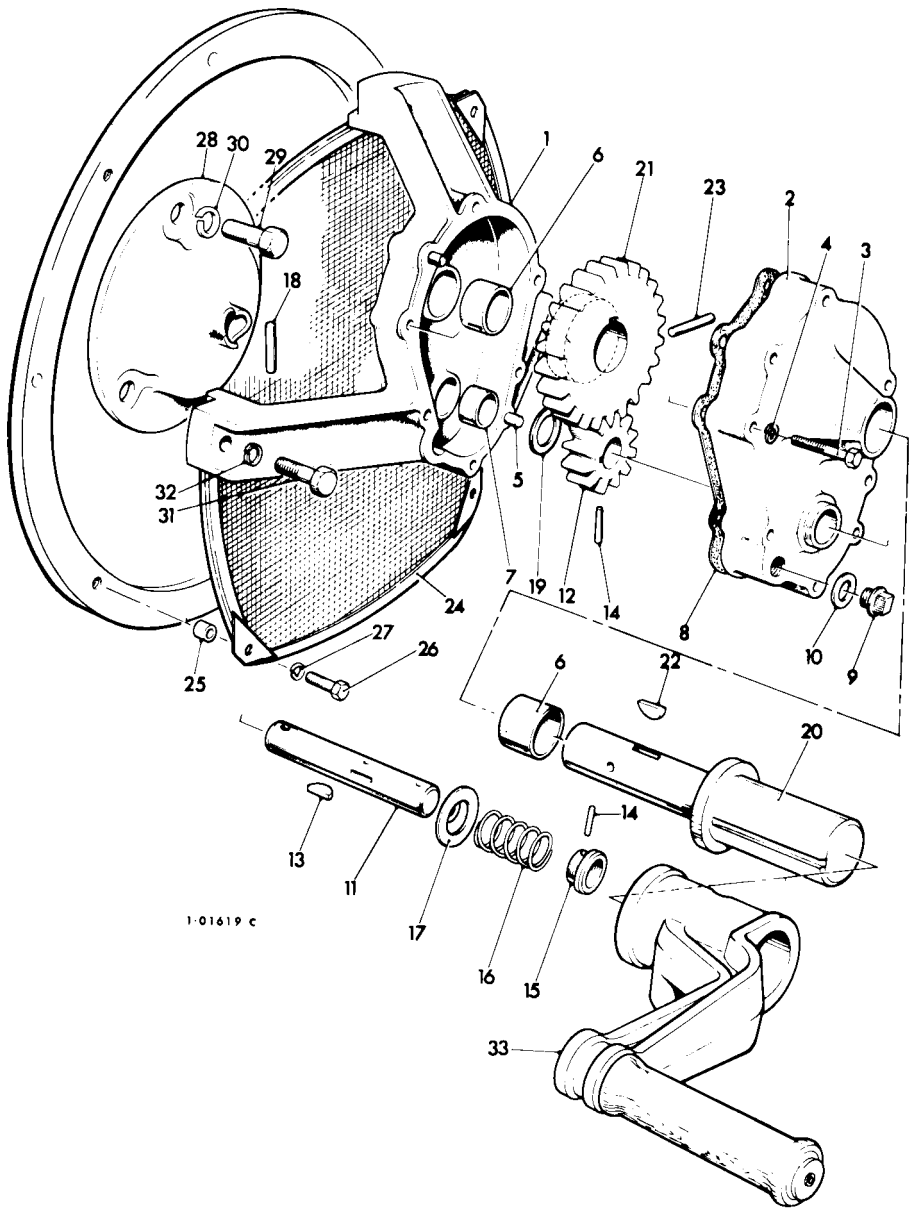
1-01419 C

ST2 & 3 CODE EE & EF

Illus No.	Description	Part No.	ST	
			2	3
GEARED UP STARTING - ST2 & 3 (Cont).				
25	DISTANCE PIECE - Guard	390-01040	4	4
26	SETSCREW - Guard 3/8" UNC x 11/4"	270-00349	4	4
27	SPRING WASHER	027-00393	4	4
28	STARTING DOG PLATE - CW	201-80990	1	1
-	STARTING DOG PLATE - ACW	201-81000	1	1
29	BOLT - Starting Dog Plate 7/16" UNF x 1"	270-00335	3	3
30	SPRING WASHER	027-00984	3	3
31	BOLT - Gearbox 3/8" UNC x 11/8"	270-00485	3	3
32	SPRING WASHER	027-00393	3	3
33	STARTING HANDLE - CW	} The handle has the opposite rotation to the engine	1	1
	STARTING HANDLE - ACW		201-12510	1	1

ST2 CODE EG

Illus No.	Description	Part No.	ST
			2
COUPLED DECOMPRESSOR - ST2			
Illustrated with Cylinder Head			
	COUPLED DECOMPRESSOR ASSEMBLY	Code EG	1
	COUPLING ROD	202-17330	1
	SCREW	064-06772/004	2
	NUT - Self Locking	064-06649/003	2



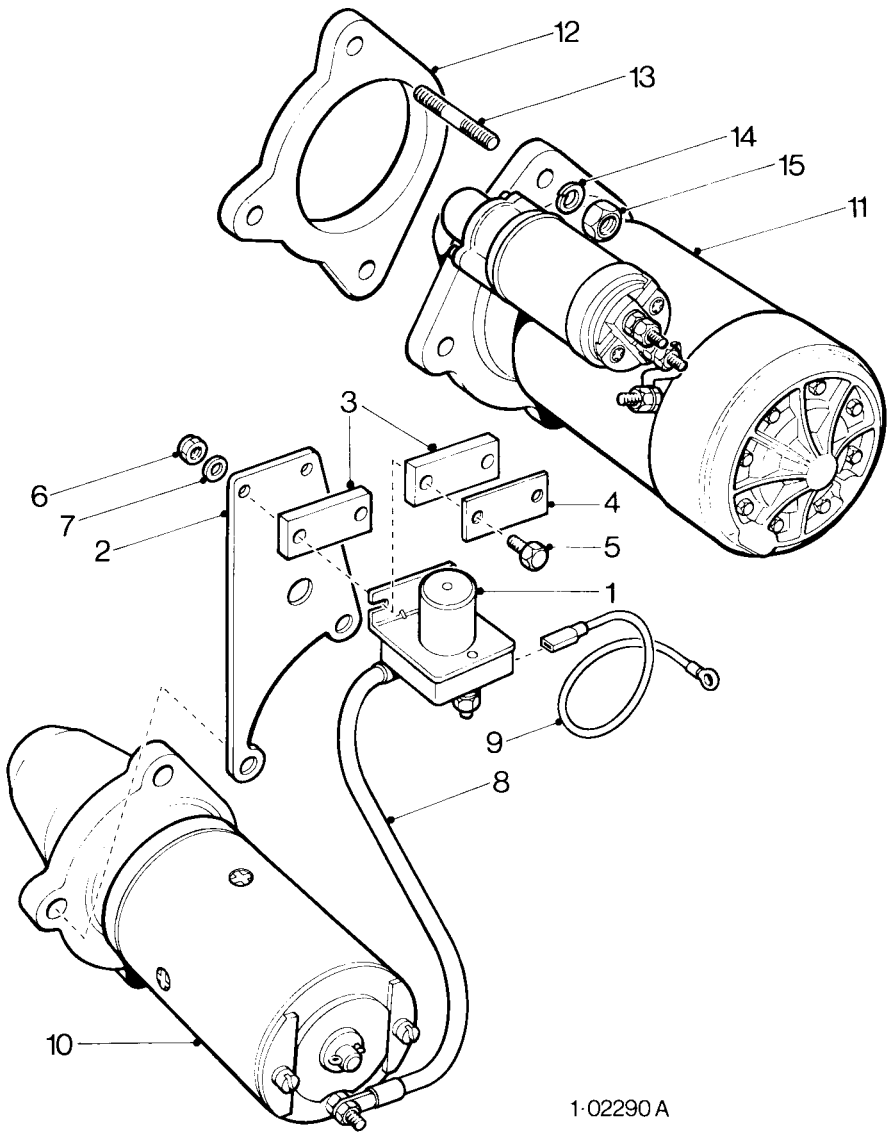
1-01619 c

GEARED UP STARTING - ST2 & 3 ©

ST1 CODE EG, & EH, ST2 & 3 CODE EH, & EI

Quote type of charging (Alternator) when ordering

Illus No.	Description	Part No.	ST		
			1	2	3
12V ELECTRIC STARTING ASSEMBLY - Alternator Charging					
	CW - ST1	Code EG	1	-	-
	CW - ST2 & 3	Code EH	-	1	1
	ACW - ST1	Code EH	1	-	-
	ACW - ST2 & 3	Code EI	-	1	1
SOLENOID					
1	SOLENOID - 12V	351-31480	1	-	-
2	MOUNTING BRACKET	064-29373	1	-	-
3	FELT PAD	064-29376	2	-	-
4	CLAMP PLATE	064-29377	1	-	-
5	SCREW	064-06772/005	2	-	-
6	NUT - Self Locking	064-06649/003	2	-	-
7	WASHER	064-06612/004	2	-	-
8	CABLE ASSEMBLY	366-06456	1	-	-
9	CABLE ASSEMBLY	366-06457	1	-	-
STARTER MOTOR & FITTINGS					
10	STARTER MOTOR - CW	201-13270	1	-	-
-	STARTER MOTOR - ACW	201-13271	1	-	-
-	STUD - 3/8" UNF x 11/2"	270-00089	3	-	-
-	SPRING WASHER	027-00393	3	-	-
-	NUT - 3/8" UNF	270-00004	3	-	-
11	STARTER MOTOR - CW	204-13273	-	1	1
-	STARTER MOTOR - ACW	204-13270	-	1	1
12	DISTANCE PIECE	202-26550	-	1	1
13	STUD - 3/8" UNF / UNC x 21/8"	270-00325	-	3	3
14	SPRING WASHER	027-00393	-	3	3
15	NUT - 3/8" UNF	270-00004	-	3	3

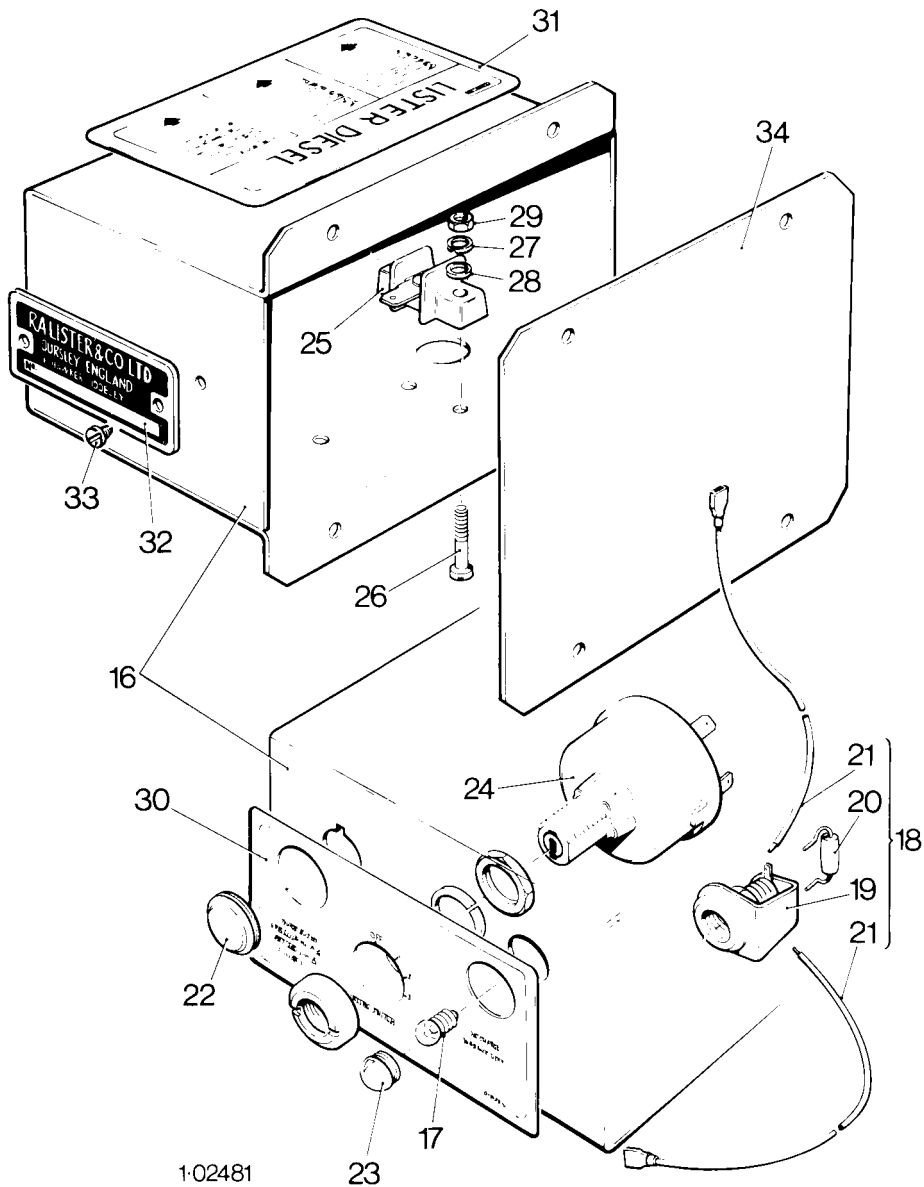


1-02290 A

ELECTRIC STARTING - 12V ©

ST1 CODE EG, & EH, ST2 & 3 CODE EH, & EI

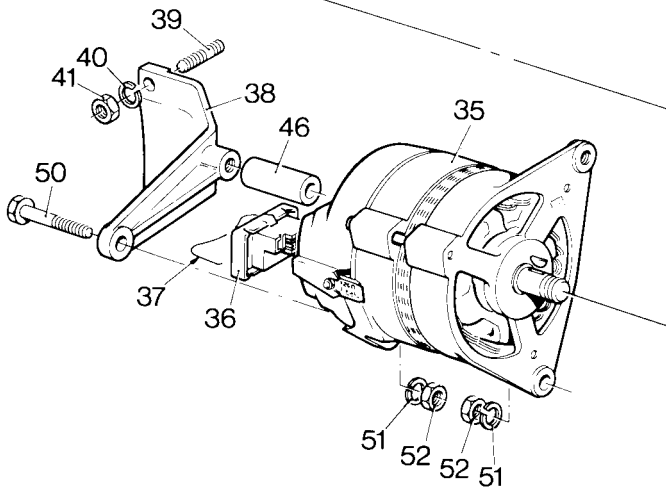
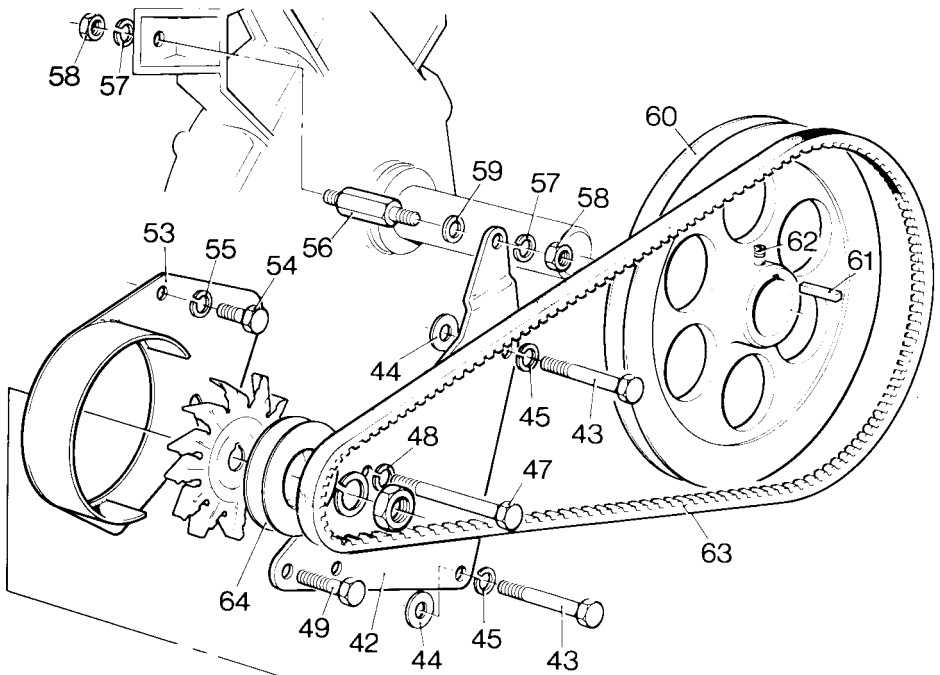
Illus No.	Description	Part No.	ST		
			1	2	3
12V ELECTRIC STARTING - Alternator Charging (Cont.)					
STARTER CONTROL PANEL					
	STARTER CONTROL PANEL ASSEMBLY Comprising	572-54120	1	1	1
16	CONTROL PANEL	607-10016	1	1	1
17	BULB	064-09681/001	1	1	1
18	WARNING LIGHT ASSEMBLY Comprising	382-07287	1	1	1
19	LAMP HOLDER	064-12963	1	1	1
20	RESISTANCE	064-17550/013	1	1	1
21	CABLE ASSEMBLY	366-06437	2	2	2
22	HELVIN BUTTON - Blanking	064-13033/008	1	1	1
23	LENS	064-20787/001	1	1	1
24	KEYSWITCH	366-06379	1	1	1
25	TERMINAL BLOCK	607-10019	1	1	1
26	SCREW	064-06772/012	2	2	2
27	SPRING WASHER	064-02582/001	2	2	2
28	WASHER	064-06612/002	2	2	2
29	NUT	064-06611/002	2	2	2
30	LABEL	027-06269	1	1	1
31	LABEL	027-06270	1	1	1
32	NAME PLATE	064-33107	1	1	1
33	SELF TAPPING SCREW	064-07175/001	2	2	2
-	BLANKING PLUG	382-08080	1	1	1
34	BACK PLATE	607-10017	1	1	1



STARTER CONTROL PANEL ©

ST1 CODE EG, & EH, ST2 & 3 CODE EH, & EI

lus No.	Description	Part No.	ST		
			1	2	3
12V ELECTRIC STARTING - Alternator Charging (Cont.)					
ALTERNATOR & FITTINGS					
35	ALTERNATOR - CW	366-06935	1	1	1
-	ALTERNATOR - ACW	366-06936	1	1	1
36	CONNECTOR ASSEMBLY	366-06556	1	1	1
37	CLIP	366-06679	1	1	1
38	SUPPORT BRACKET	366-04354	1	1	1
39	STUD - 5/16" UNF x 11/4"	270-00081	2	2	2
40	SPRING WASHER	027-00413	2	2	2
41	NUT - 5/16" UNF	270-00003	2	2	2
42	SUPPORT PLATE	366-03676	1	1	1
43	BOLT - 5/16" UNF x 21/2"	270-00067	2	2	2
44	DISTANCE PIECE	354-24890	2	2	2
45	SPRING WASHER	027-00413	2	2	2
46	DISTANCE PIECE	366-06721	1	1	1
47	BOLT - 5/16 "UNF x 3"	270-00106	1	1	1
48	SPRING WASHER	027-00413	1	1	1
49	BOLT - 5/16" UNF x 11/8"	270-00025	1	1	1
50	BOLT - 5/16" UNF x 11/2"	270-00063	1	1	1
51	SPRING WASHER	027-00413	2	2	2
52	NUT - 5/16" UNF	270-00003	2	2	2
53	BACK PLATE ASSEMBLY	366-06691	1	1	1
54	SCREW - M8 x 16mm	272-00038	1	1	1
55	SPRING WASHER	272-00071	1	1	1
56	DISTANCE PIECE	203-23970	1	1	1
57	SPRING WASHER	027-00413	1	1	2
58	NUT - 5/16" UNF	270-00003	1	1	2
59	PLAIN WASHER	027-00082	1	1	1
60	PULLEY - Camshaft	382-06751	1	1	1
61	KEY	366-06876	1	1	1
62	SOCKET SETSCREW - M6 x 1.0-6g x 12mm	272-00323	1	1	1
63	DRIVE BELT - Alternator	382-06750	1	1	1
64	PULLEY - Alternator	366-06714	1	1	1
	CONNECTION DIAGRAM	742-00349			

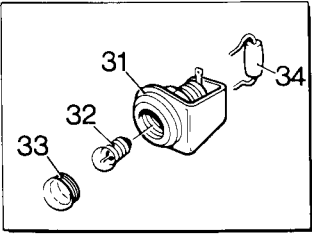
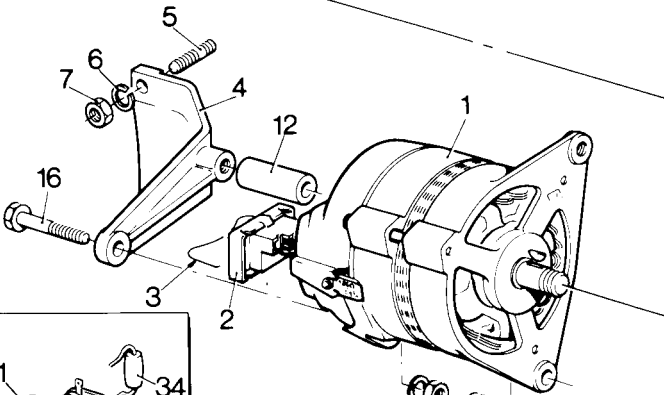
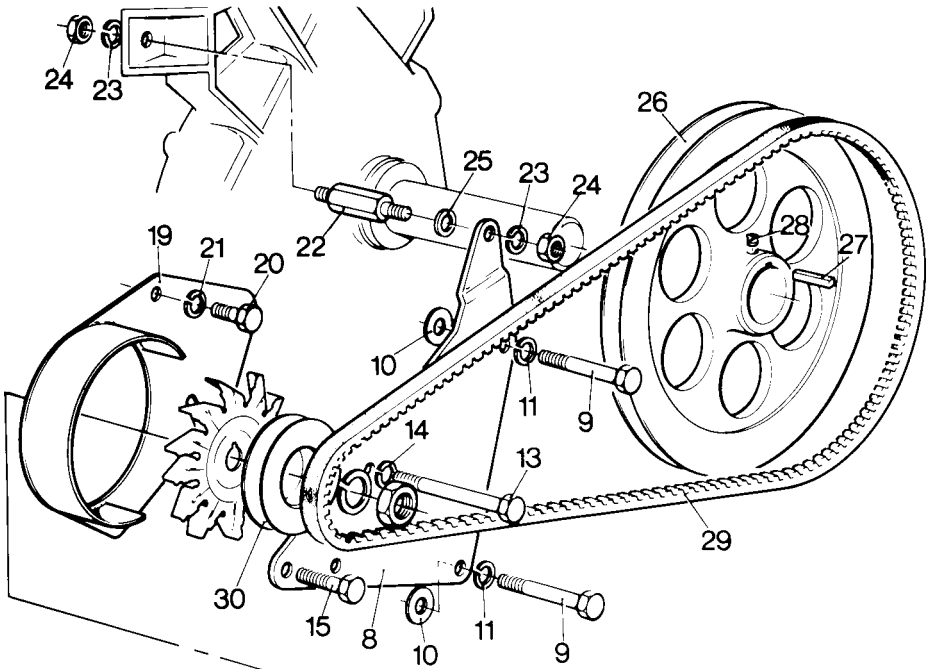


1.02487

ST1 CODE EL & EM, ST2 & 3 CODE EP & EQ

Quote type of charging (Alternator) when ordering

lus No.	Description	Part No.	ST		
			1	2	3
12V ALTERNATOR & DRIVE					
	-CW - ST1	Code EL	1	-	-
	-CW - ST2/3	Code EP	-	1	1
	-ACW - ST1	Code EM	1	-	-
	-ACW - ST2/3	Code EQ	-	1	1
ALTERNATOR & FITTINGS					
1	ALTERNATOR - CW	366-06935	1	1	1
-	ALTERNATOR - ACW	366-06936	1	1	1
2	CONNECTOR ASSEMBLY	366-06556	1	1	1
3	CLIP	366-06679	1	1	1
4	SUPPORT BRACKET	366-04354	1	1	1
5	STUD - 5/16" UNF x 11/4"	270-00081	2	2	2
6	SPRING WASHER	027-00413	2	2	2
7	NUT - 5/16" UNF	270-00003	2	2	2
8	SUPPORT PLATE	366-03676	1	1	1
9	BOLT - 5/16" UNF x 21/2"	270-00067	2	2	2
10	DISTANCE PIECE	354-24890	2	2	2
11	SPRING WASHER	027-00413	2	2	2
12	DISTANCE PIECE	366-06721	1	1	1
13	BOLT - 5/16" UNF x 3"	270-00106	1	1	1
14	SPRING WASHER	027-00413	1	1	1
15	BOLT - 5/16" UNF x 11/8"	270-00025	1	1	1
16	BOLT - 5/16" UNF x 11/2"	270-00063	1	1	1
17	SPRING WASHER	027-00413	2	2	2
18	NUT - 5/16" UNF	270-00003	2	2	2
19	BACK PLATE ASSEMBLY	366-06691	1	1	1

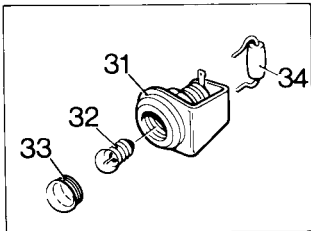
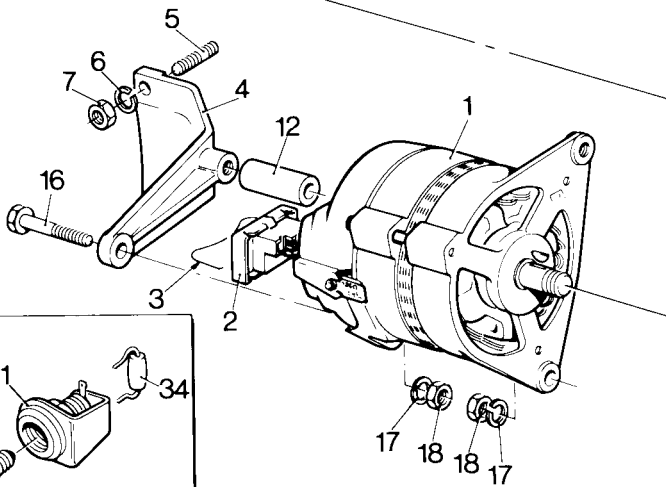
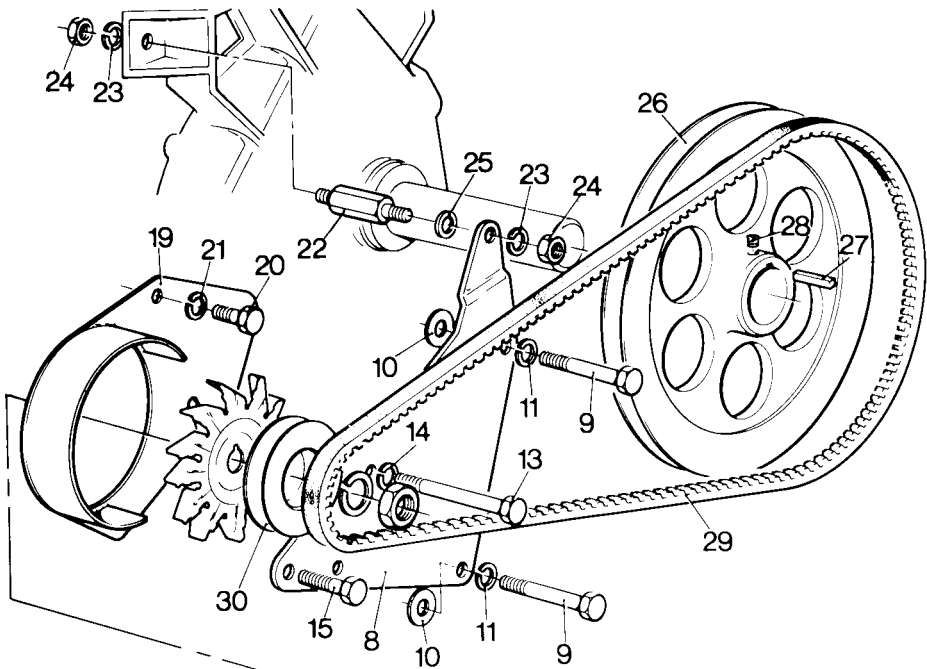


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ALTERNATOR & FITTINGS ©

ST1 CODE EL & EM, ST2 & 3 CODE EP & EQ

Illus No.	Description	Part No.	ST		
			1	2	3
12V ALTERNATOR & DRIVE (Cont.)					
ALTERNATOR & FITTINGS (Cont.)					
20	SETSCREW - M8 x 1.25-6g x 16mm	272-00038	1	1	1
21	SPRING WASHER	272-00071	1	1	1
22	DISTANCE PIECE	203-23970	1	1	1
23	SPRING WASHER	027-00413	1	1	2
24	NUT - 5/16" UNF	270-00003	1	1	2
25	PLAIN WASHER	027-00082	1	1	1
26	PULLEY - Camshaft	382-06751	1	1	1
27	KEY	382-06752	1	1	1
28	SOCKET SETSCREW - M6 x 1.0-6g x 12mm	272-00323	1	1	1
29	DRIVE BELT - Alternator	382-06750	1	1	1
30	PULLEY - Alternator	366-06714	1	1	1
31	LAMP HOLDER	064-12963	1	1	1
32	LAMP	064-09681/001	1	1	1
33	LENS	064-20787/001	1	1	1
34	EXCITATION RESISTANCE	064-17550/013	1	1	1
	CONNECTION DIAGRAM	742-00374			



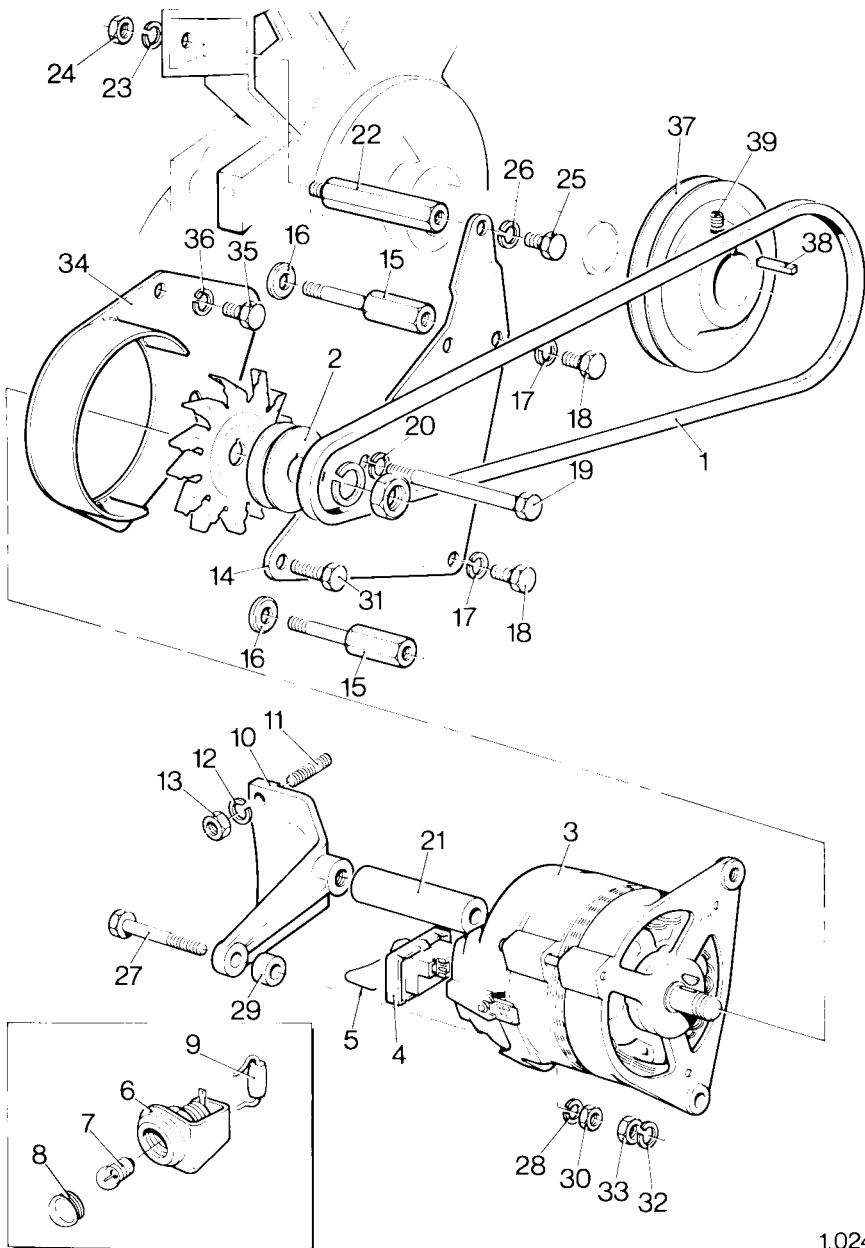
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ALTERNATOR & FITTINGS ©

ST1 CODE EN & EU, ST2 CODE EL & EM, ST3 CODE EM

Quote type of charging (Alternator) when ordering

Illus No.	Description	Part No.	ST		
			1	2	3
12V 15 ACR ALTERNATOR & DRIVE - Gear End Hydraulics					
	- CW - ST1	Code EN	1	-	-
	- CW - ST2	Code EL	-	1	-
	- ACW - ST1	Code EU	1	-	-
	- ACW - ST2 & 3	Code EM	-	1	1
ALTERNATOR & FITTINGS					
1	DRIVE BELT	366-06739	1	1	1
2	DRIVEN PULLEY	366-06740	1	1	1
3	ALTERNATOR - CW	366-06935	1	1	-
-	ALTERNATOR - ACW	366-06936	1	1	1
4	CONNECTOR ASSEMBLY	366-06556	1	1	1
5	CLIP	366-06679	1	1	1
6	LAMP HOLDER	064-12963	1	1	1
7	LAMP	064-09681/001	1	1	1
8	LENS	064-20787/001	1	1	1
9	EXCITATION RESISTANCE	064-17550/013	1	1	1
10	SUPPORT BRACKET	366-04354	1	1	1
11	STUD - 5/16" UNF x 11/4"	270-00081	2	2	2
12	SPRING WASHER	027-00413	2	2	2
13	NUT - 5/16" UNF	270-00003	2	2	2
14	SUPPORT PLATE	366-03676	1	1	1
15	DISTANCE PIECE	366-06736	2	2	2
16	DISTANCE PIECE	027-04775	2	2	2
17	SPRING WASHER	027-00413	2	2	2
18	BOLT - 5/16" UNF x 5/8"	270-00059	2	2	2
19	BOLT - 5/16" UNF x 41 /2"	270-00546	1	1	1
20	SPRING WASHER	027-00413	1	1	1

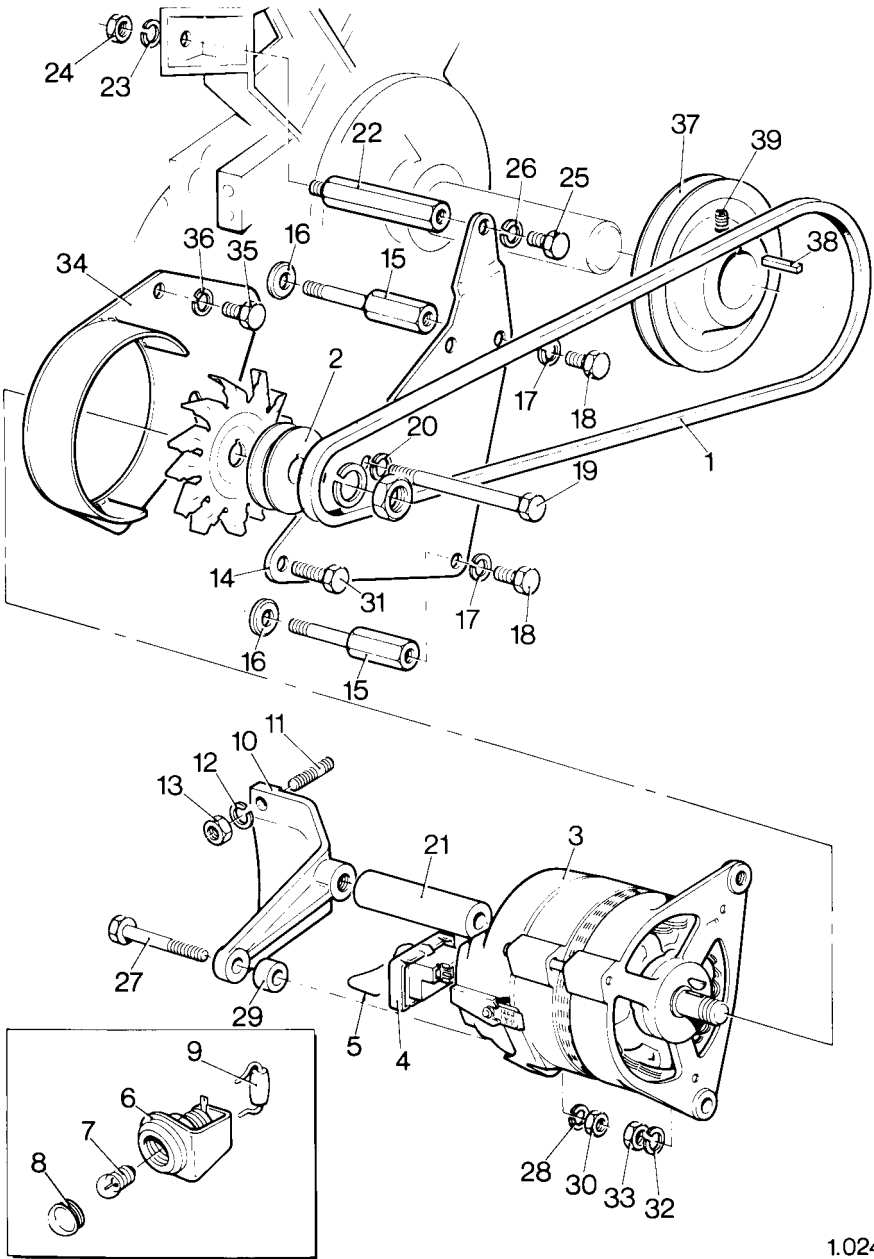


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ALTERNATOR & FITTINGS ©

ST1 CODE EN & EU, ST2 CODE EL & EM, ST3 CODE EM

Illus No.	Description	Part No.	ST		
			1	2	3
12V 15 ACR ALTERNATOR & DRIVE - Gear End Hydraulics (Cont.)					
ALTERNATOR & FITTINGS (Cont.)					
21	DISTANCE PIECE	366-06737	1	1	1
22	DISTANCE PIECE	366-06738	1	1	1
23	SPRING WASHER	027-00413	1	1	1
24	NUT - 5/16" UNF	270-00003	1	1	1
25	BOLT - 5/16" UNF x 5/8"	270-00059	1	1	1
26	SPRING WASHER	027-00413	1	1	1
27	BOLT - 5/16" UNF x 2"	270-00065	1	1	1
28	SPRING WASHER	027-00413	1	1	1
29	DISTANCE PIECE	366-03663	1	1	1
30	NUT - 5/16" UNF	270-00003	1	1	1
31	BOLT - 5/16" UNF x 11/8"	270-00025	1	1	1
32	SPRING WASHER	027-00413	1	1	1
33	NUT - 5/16" UNF	270-00003	1	1	1
34	BACKPLATE ASSEMBLY	366-06691	1	1	1
35	SCREW - M8 x l6mm	272-00038	1	1	1
36	SPRING WASHER	272-00071	1	1	1
37	DRIVING PULLEY - Camshaft	366-03467	1	1	1
38	KEY	366-06876	1	1	1
39	SOCKET SETSCREW - 5/16" UNC x 3/8"	270-00384	1	1	1
	CONNECTION DIAGRAM	742-00374			

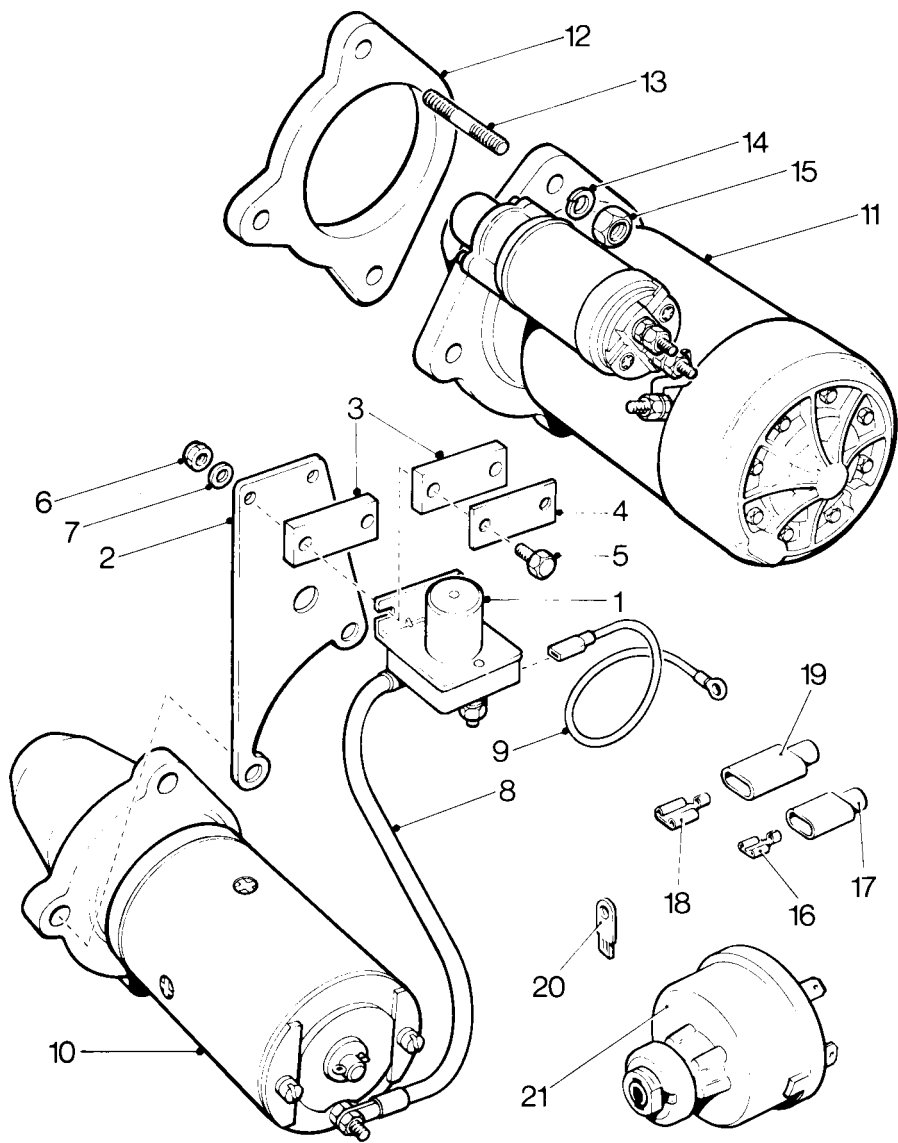


1.02485

ALTERNATOR & FITTINGS ©

ST1 CODE EJ & EK, ST2 & 3 CODE EN & EO

Illus No.	Description	Part No.	ST		
			1	2	3
12V ELECTRIC STARTING					
	- CW - ST1	Code EJ	1	-	-
	- CW - ST2 & 3	Code EN	-	1	1
	- ACW - ST1	Code EK	1	-	-
	- ACW - ST2 & 3	Code EO	-	1	1
SOLENOID					
1	SOLENOID - 12V	351-31480	1	-	-
2	MOUNTING BRACKET	064-29373	1	-	-
3	FELT PAD	064-29376	2	-	-
4	CLAMP PLATE	064-29377	1	-	-
5	SCREW	064-06772/005	2	-	-
6	NUT - Self Locking	064-06649/003	2	-	-
7	WASHER	064-06612/004	2	-	-
8	CABLE ASSEMBLY	366-06456	1	-	-
9	CABLE ASSEMBLY	366-06457	1	-	-
STARTER MOTOR & FITTINGS					
10	STARTER MOTOR - CW	201-13270	1	-	-
-	STARTER MOTOR - ACW	201-13271	1	-	-
-	STUD - 3/8" UNF x 11/2"	270-00089	3	-	-
-	SPRING WASHER	027-00393	3	-	-
-	NUT - 3/8" UNF	270-00004	3	-	-
11	STARTER MOTOR - CW	204-13273	-	1	1
-	STARTER MOTOR - ACW	204-13270	-	1	1
12	DISTANCE PIECE	202-26550	-	1	1
13	STUD - 3/8" UNF / UNC x 21/8"	270-00325	-	3	3
14	SPRING WASHER	027-00393	-	3	3
15	NUT - 3/8" UNF	270-00004	-	3	3
16	PUSH ON CONNECTOR - Small	064-19161/001	2	2	2
17	COVER	064-19162/001	2	2	2
18	PUSH ON CONNECTOR - Large	064-19161/002	2	1	1
19	COVER	064-19162/002	2	1	1
20	CABLE LUG	064-15649/010	-	1	1
21	KEY SWITCH	366-06379	1	1	1

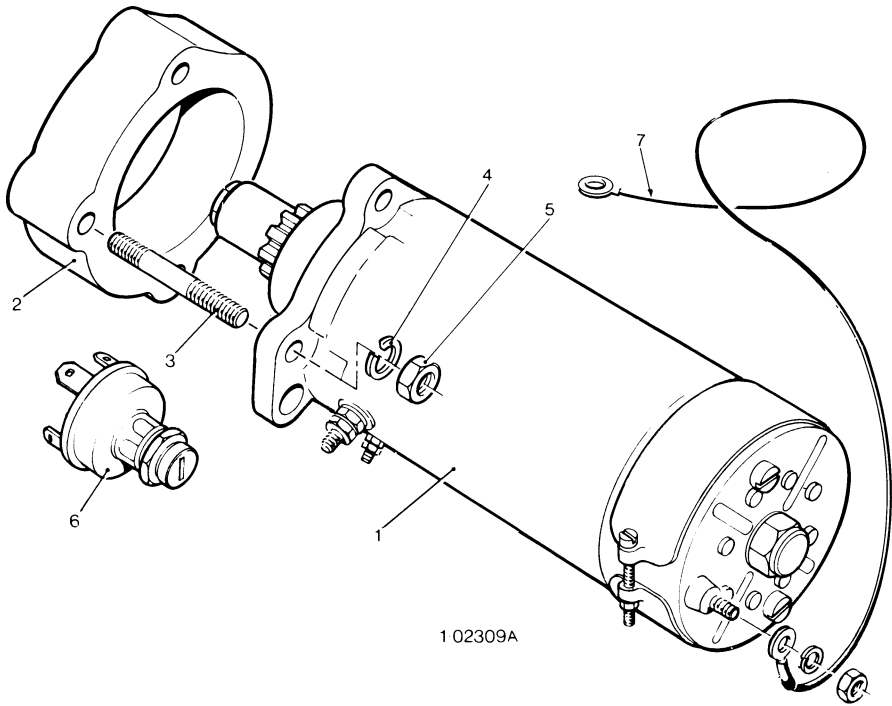


102482

ELECTRIC STARTING - 12V Lucas ©

ST2 & 3 CODE ET & EU

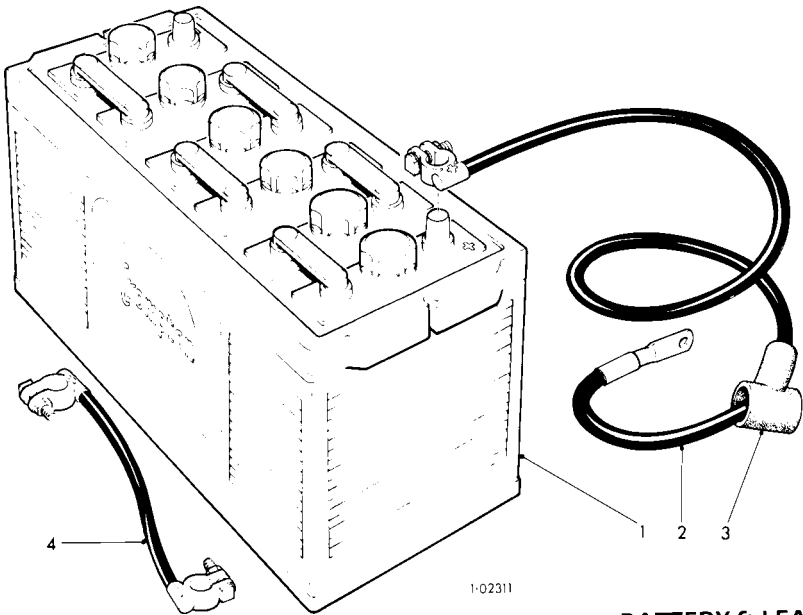
Illus No.	Description	Part No.	ST	
			2	3
ELECTRIC STARTING - 24V				
	24V STARTER & MOTOR LOOSE ACCESSORIES CW	Code ET	1	1
	24V STARTER & MOTOR LOOSE ACCESSORIES ACW	Code EU	1	1
1	STARTER MOTOR - CW	366-03659	1	1
-	STARTER MOTOR - ACW	366-04487	1	1
2	DISTANCE PIECE	202-15420	1	1
3	STUD - 3/8" UNF / UNC x 3"	270-00323	3	3
4	SPRING WASHER	027-00393	3	3
5	NUT - 3/8" UNF	270-00004	3	3
6	KEY SWITCH	366-06379	1	1
7	CABLE ASSEMBLY	366-06902	1	1



1 02309A

ELECTRIC STARTING — 24V ©

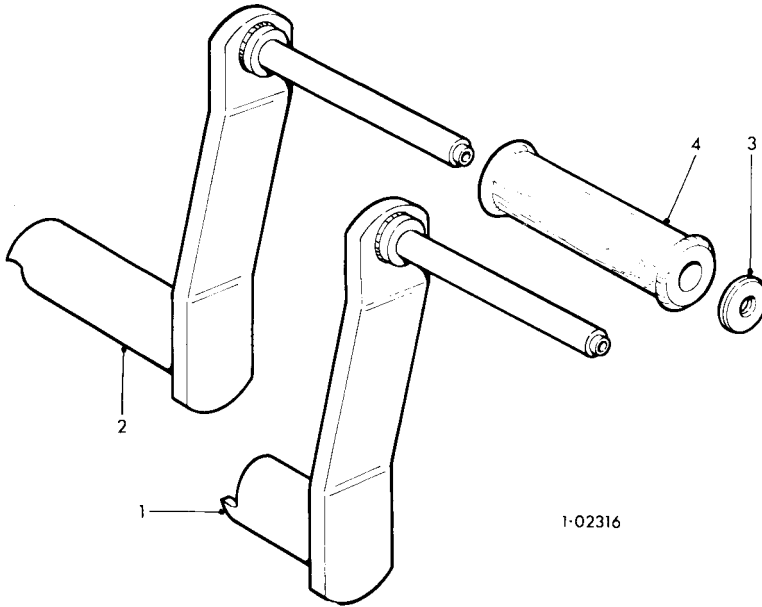
ST1 CODE EQ & ER, ST2 & 3 CODE ER, ES &EZ



BATTERY & LEADS ©

Illus No.	Description	Part No.	ST		
			1	2	3
	BATTERY ASSEMBLY - 12V - ST1	Code EQ	1	-	-
	BATTERY ASSEMBLY - ST2 & 3	Code ER	-	1	1
	BATTERY ASSEMBLY - 24V - ST2 &3	Code EZ	-	1	1
	BATTERY LEADS ASSEMBLY - ST1	Code ER	1	-	-
	BATTERY LEADS ASSEMBLY - ST2 &3	Code ES	-	1	1
1	BATTERY - 12V 64 Ampere Hours	291-40020/002	1	1	1
	BATTERY - 24V at 10 Hour Rate	291-40020/002	-	2	2
2	BATTERY LEAD - (0.9m)	064-07172/001	1	1	1
-	BATTERY LEAD - (0.9m)	064-07172/002	1	1	1
3	RUBBER SHROUD	064-08391	2	2	2
4	CONNECTING LINK - 24V	064-12020	-	1	1

ST1 CODE ES & ET, ST2 CODE EY

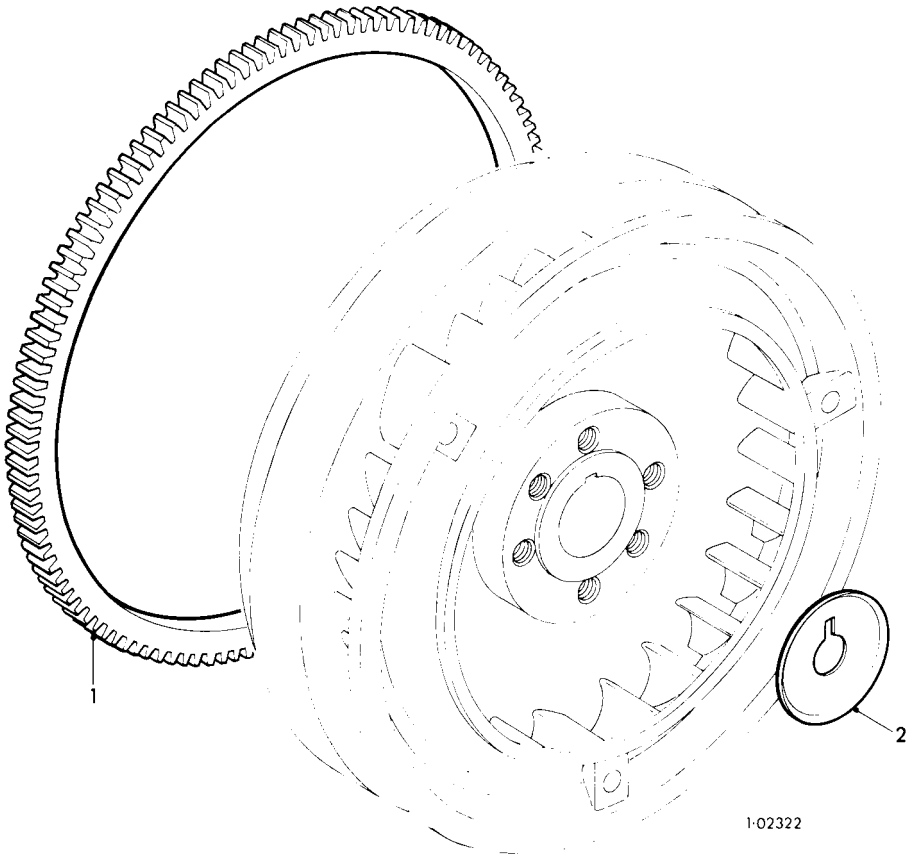


FLUSH TYPE STARTING HANDLE ©

Illus No.	Description	Part No.	ST	
			1	2
FLUSH TYPE STARTING HANDLE				
	STARTING HANDLE ASSEMBLY - CW Comprising	201-54501		
	STARTING HANDLE ASSEMBLY - ST1	Code ES	1	-
	STARTING HANDLE ASSEMBLY - ST2	Code EY	-	1
	STARTING HANDLE ASSEMBLY - ACW Comprising	367-33720		
	STARTING HANDLE ASSEMBLY - ST1	Code ET	1	-
1	HANDLE - CW		1	1
2	HANDLE - ACW		1	-
3	WASHER	027-00085	1	1
4	WOOD GRIP	003-00364	1	1

ST2 CODE EV & EW

Illus No.	Description	Part No.	ST 2
STARTER RING			
-	STARTER GEAR RING ASSEMBLY CW - ST2	Code EV	1
	STARTER GEAR RING ASSEMBLY ACW - ST2	Code EW	1
1	GEAR RING - CW	202-12870	1
-	GEAR RING - ACW	202-12871	1
2	LOCKING WASHER - Flywheel	201-80460	1

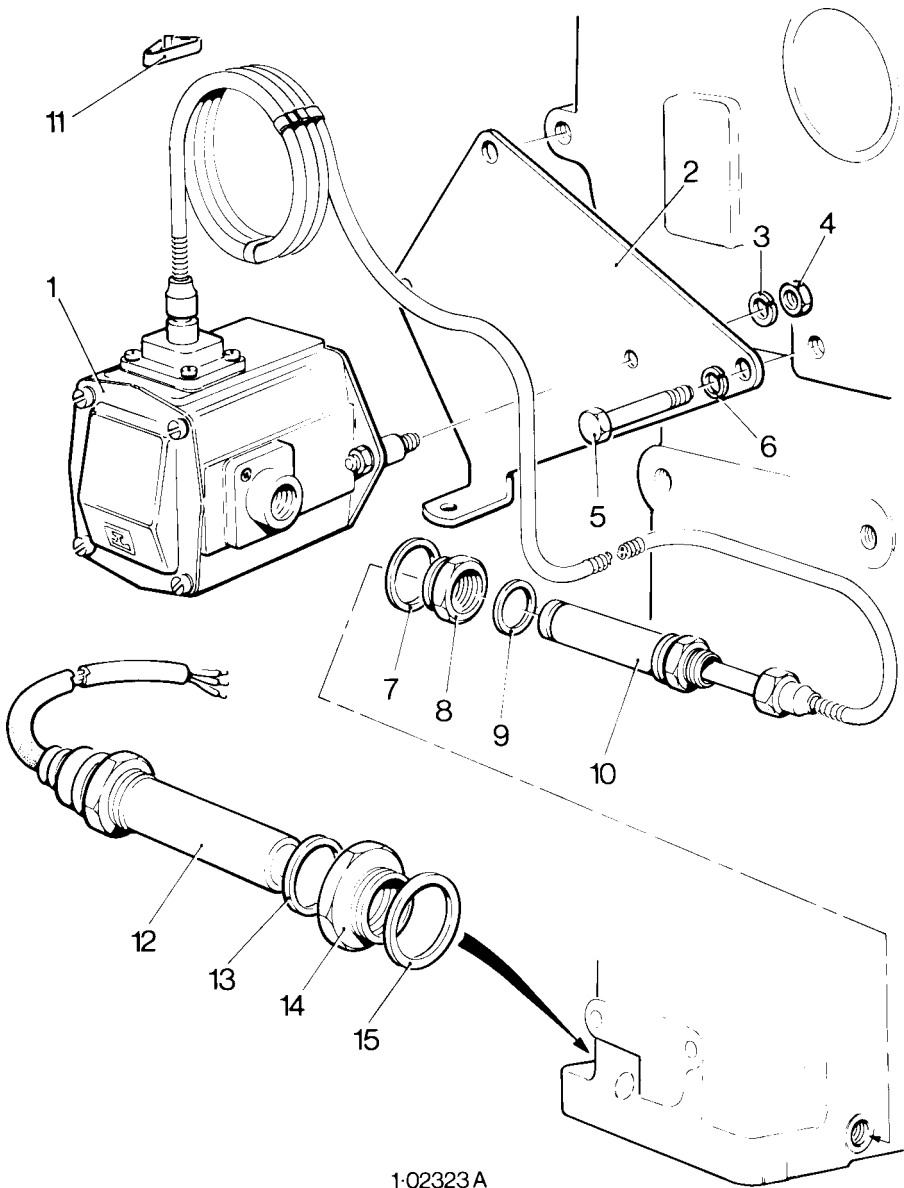


1-02322

STARTER RING – Flywheel ©

ST2 & 3 CODE EX

Illus No.	Description	Part No.	ST	
			2	3
SUMP HEATER & THERMOSTAT				
-	SUMP HEATER & THERMOSTAT ASSEMBLY	Code EX	1	1
	THERMOSTAT & BRACKET ASSEMBLY Comprising	570-16580	1	1
1	THERMOSTAT	382-07345	1	1
2	MOUNTING BRACKET	366-06852	1	1
3	SPRING WASHER	064-02582/002	3	3
4	NUT	064-06611/003	3	3
5	BOLT - 5/16" UNF x 2 1/2"	270-00067	2	2
6	SPRING WASHER	027-00413	2	2
7	COPPER WASHER	291-30640	1	1
8	REDUCING BUSH	366-04160	1	1
9	COPPER WASHER	013-21778	1	1
10	PHIAL POCKET	365-12460	1	1
11	CRITCHLEY TIE	064-32790/001	3	3
12	SUMP HEATER	382-00795	1	1
13	COPPER WASHER	013-21787	1	1
14	REDUCING BUSH	382-00797	1	1
15	COPPER WASHER	013-21777	1	1

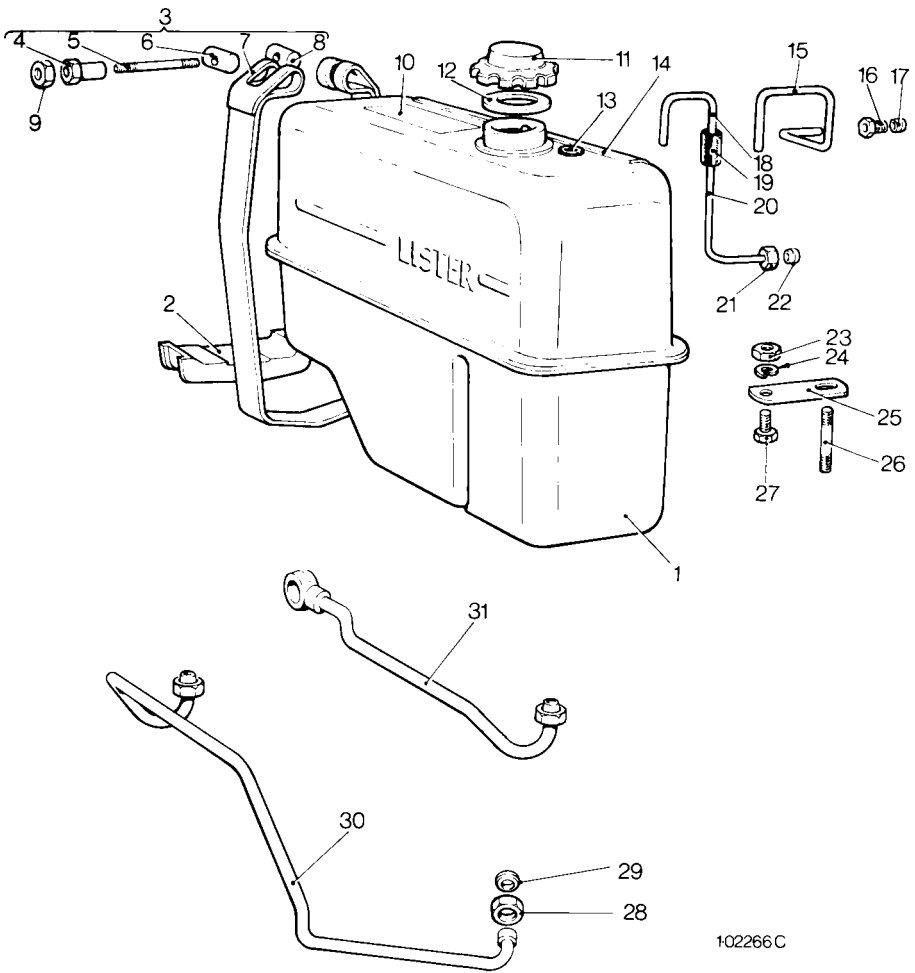


1-02323A

SUMP HEATER & THERMOSTAT - 240V 50Hz ©

ST1, 2 & 3 CODE FA

Illus No.	Description	Part No.	ST		
			1	2	3
11 LITRE / 2 1/2 GALL ENGINE MOUNTED FUEL TANK					
-	FUEL TANK	Code FA	1	1	1
1	FUEL TANK - 11 Litre	202-11280	1	1	1
2	FUEL TANK BLOCK - ST1 & 2	202-11490	2	2	-
-	FUEL TANK BLOCK - ST3	203-82850	-	-	2
3	FUEL TANK STRAP ASSEMBLY Comprising - ST1 & 2	570-10640	2	2	-
	FUEL TANK STRAP ASSEMBLY Comprising - ST3	570-15800	-	-	2
4	NUT	201-18720	2	2	2
5	STUD - 1/4" UNF x 31/2"	270-00561	2	2	2
6	CROSS PIECE	294-27080	2	2	2
7	STRAP - ST3	203-82860	-	-	2
-	STRAP - ST1 & 2	202-11501	2	2	-
8	CROSS PIECE	294-27070	2	2	2
9	LOCKNUT	270-00340	1	1	1
10	TRANSFER - Fuel Oil	201-13440	1	1	1
11	FILLER CAP ASSEMBLY - Includes	366-00091	1	1	1
12	JOINT	027-06151	1	1	1
13	GROMMET - Leak Off Pipe	201-11710	1	1	1
14	FUEL TANK SUPPORT	367-19561	1	1	1
15	FUEL LEAK OFF PIPE - Filter to Fuel Tank	203-82880	-	-	1
16	TUBING NUT } Leak off Pipe	202-16930	-	-	1
17	TUBING SLEEVE } to Filter	202-16920	-	-	1
-	FUEL LEAK OFF PIPE ASSEMBLY Comprising	202-17122	1	1	-
18	PIPE	202-23801	1	1	-
19	HOSE CONNECTION	204-23560	1	1	-
20	PIPE	202-23811	1	1	-
21	NUT	291-21151	1	1	-
22	NIPPLE	291-21161	1	1	-
23	NUT - 1/4" UNF	270-00002	1	1	1
24	SPRING WASHER	027-00451	1	1	1
25	TANK SUPPORT STRAP - ST1 & 2	367-19571	1	1	-
-	TANK SUPPORT STRAP - ST3	203-82870	-	-	1
26	STUD - 1/4" UNF x 11/2"	270-00264	-	1	-
27	SETSCREW - 1/4" UNF x 1/2"	270-00054	1	1	1
28	TUBING NUT } Fuel Pipe	351-21630	-	-	1
29	TUBING SLEEVE } to Lift Pump	351-21640	-	-	1
30	FUEL PIPE ASSEMBLY	366-06726	-	-	1
31	FUEL PIPE ASSEMBLY	366-06722	1	1	-

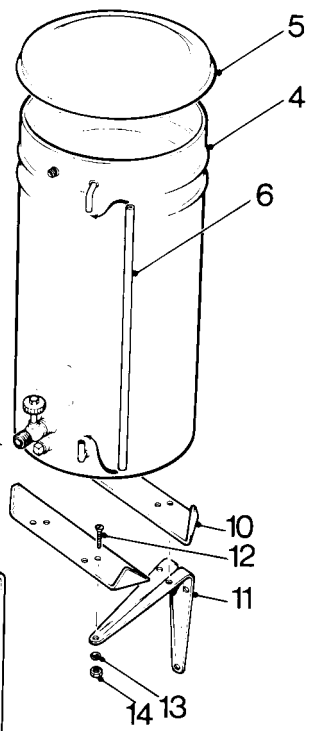
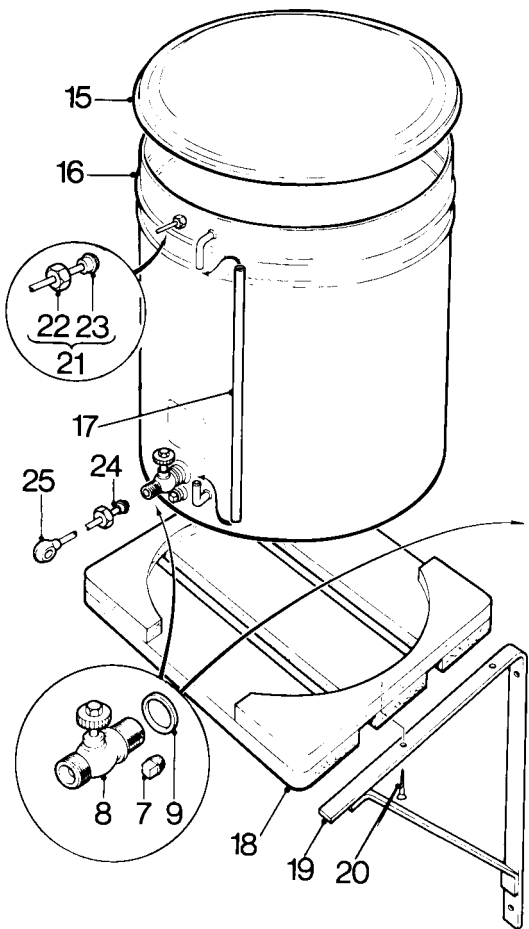
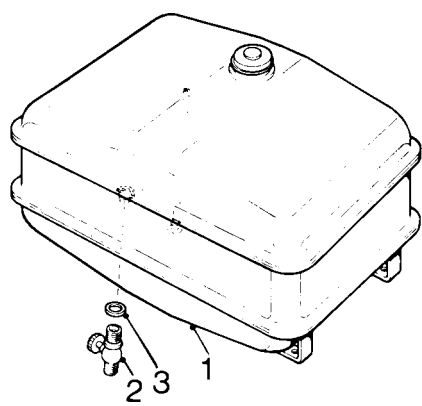


102266 C

ENGINE MOUNTED FUEL TANK ©

ST1 & 2 CODE FB, FC & FE, ST3 CODE FB, FC, FD & FE

Illus No.	Description	Part No.	ST		
			1	2	3
FUEL TANKS - Supplied Loose					
	FUEL TANK - ST3 41 Litre / 9 Gall	Code FB	-	-	1
	FUEL TANK - ST1 & 2 31 litre / 7 Gall	Code FB	1	1	-
	FUEL TANK - ST3 31 litre / 7 Gall	Code FC	-	-	1
	FUEL TANK - ST1 & 2 90 litre / 20 Gall	Code FC	1	1	-
	FUEL TANK - ST3 90 litre / 20 Gall	Code FD	-	-	1
	FUEL PIPE ASSEMBLY	Code FE	1	1	1
FUEL TANK 41 LITRE / 9 GALL					
1	FUEL TANK	364-01119	-	-	1
2	STOP VALVE	010-07050	-	-	1
3	JOINT - Stop Valve	013-21778	-	-	1
FUEL TANK - 31 LITRE / 7 Gall					
4	FUEL TANK	012-24392	1	1	1
5	LID	010-07072	1	1	1
6	SIGHT TUBE	012-24398	1	1	1
7	DRAIN PLUG	027-00141	1	1	1
8	STOP VALVE	010-07050	1	1	1
9	JOINT	007-00406	1	1	1
10	PLATFORM	027-05573	2	2	2
11	WALL BRACKET	027-03887	2	2	2
12	SCREW	064-06616/013	4	4	4
13	SPRING WASHER	064-02582/002	4	4	4
14	NUT	064-06611/003	4	4	4

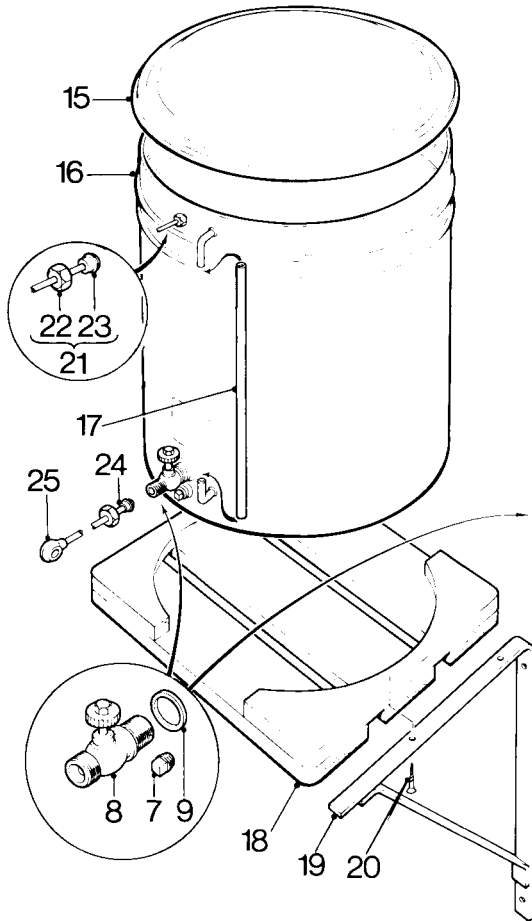
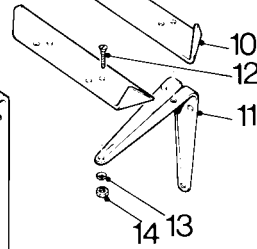
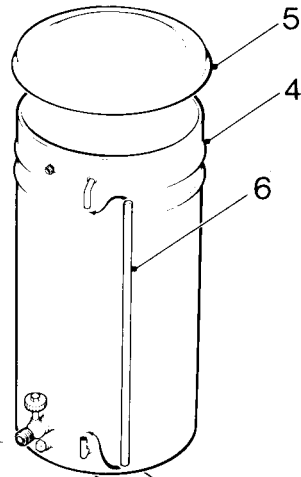
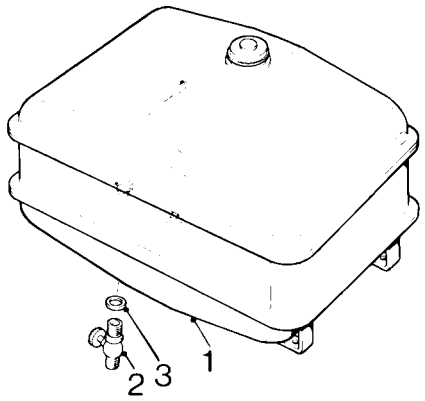


102300

FUEL TANKS — Supplied Loose ©

ST1 & 2 CODE FB, FC & FE, ST3 CODE FB, FC, FD & FE

Illus No.	Description	Part No.	ST		
			1	2	3
FUEL TANKS - Supplied Loose (Cont.)					
FUEL TANK - 90 LITRE / 20 GALL					
7	DRAIN PLUG	027-00141	1	1	1
8	STOP VALVE	010-07050	1	1	1
9	JOINT	007-00406	1	1	1
15	LID	011-07071	1	1	1
16	FUEL TANK	012-24399	1	1	1
17	SIGHT TUBE	012-24402	1	1	1
18	WOOD BASE	011-21673	1	1	1
19	BRACKET	051-00311	2	2	2
20	WOOD SCREW	027-06011	4	4	4
FUEL PIPES					
21	FUEL LEAK OFF PIPE ASSEMBLY 2.4 metres long	366-02107	1	1	1
22	NUT	291-21151	1	1	1
23	NIPPLE	291-21161	1	1	1
-	TUBING SLEEVE	202-16920	-	-	1
-	TUBING NUT	202-16930	-	-	1
24	FUEL PIPE - Supply 2.4 metres long	364-03247	1	1	1
25	SWIVEL UNION	201-17250	1	1	1
-	UNION NUT	351-21630	-	-	1
-	OLIVE	351-21640	-	-	1

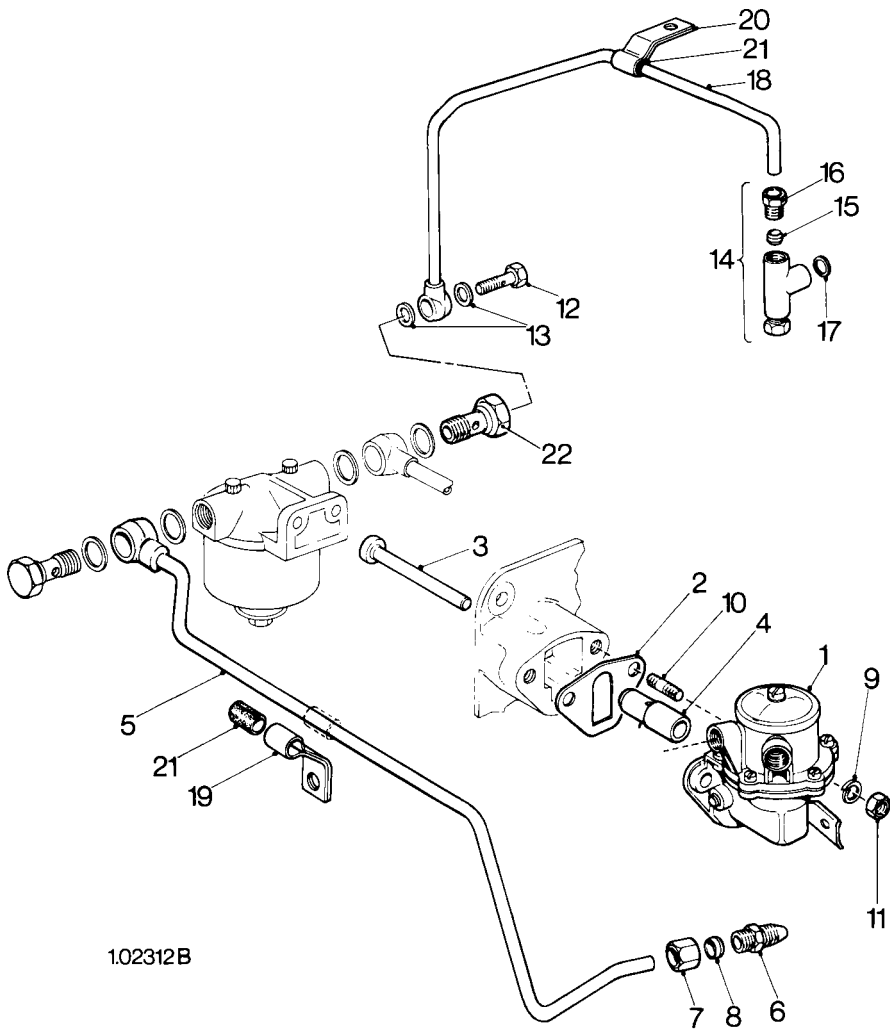


102300

FUEL TANKS—Supplied Loose ©

ST1 & 2 CODE FD, ST3 STANDARD FITTING

Illus No.	Description	Part No.	ST		
			1	2	3
FUEL LIFT PUMP					
	FUEL LIFT PUMP ASSEMBLY - ST1 & 2	Code FD	1	1	-
1	FUEL LIFT PUMP Includes	351-12150	1	1	1
2	JOINT	351-12190	1	1	1
-	REPAIR KIT	662-10520			As reqd
3	PUMP TAPPET	201-17290	1	1	1
4	TAPPET BUSH	201-17300	1	1	1
-	FUEL PIPE - Lift Pump to Filter				
-	FUEL PIPE - ST1 & 2 - If Dynamo fitted	} See Build 01 ... 366-06440 for ST3	1	1	-
-	FUEL PIPE - ST1 & 2 - If 15 ACR Alternator fitted				
6	UNION	027-04492	2	2	2
7	NUT - Fuel Pipe	351-21630	2	2	2
8	OLIVE	351-21640	2	2	2
9	SPRING WASHER Already on ST1 & 2	027-00413	-	-	2
10	STUD - Fuel Lift Pump to Door 5/16" UNF / UNC x 1 1/8"	270-00320	2	2	2
11	NUT - Fuel Lift Pump to Door	201-80670	2	2	2
12	PLUG - Swivel Union	201-17270	1	1	1
13	JOINT - Swivel Union Plug	291-26090	2	2	2
14	TEE PIECE - 1/8" BSP	201-17210	1	1	1
15	JOINT	600-00106	2	2	2
16	PIPE - Air Vent Filter to Tee	201-17080	1	1	-
17	CLIP - Fuel Pipe	204-17150	1	1	-
18	CLIP - Air Vent Pipe	201-17160	1	1	-
19	FELT - Clip	201-17170	2	2	-
20	TAPPED PLUG	201-17280	1	1	-
-	JOINT - Additional	351-12190	1	1	1

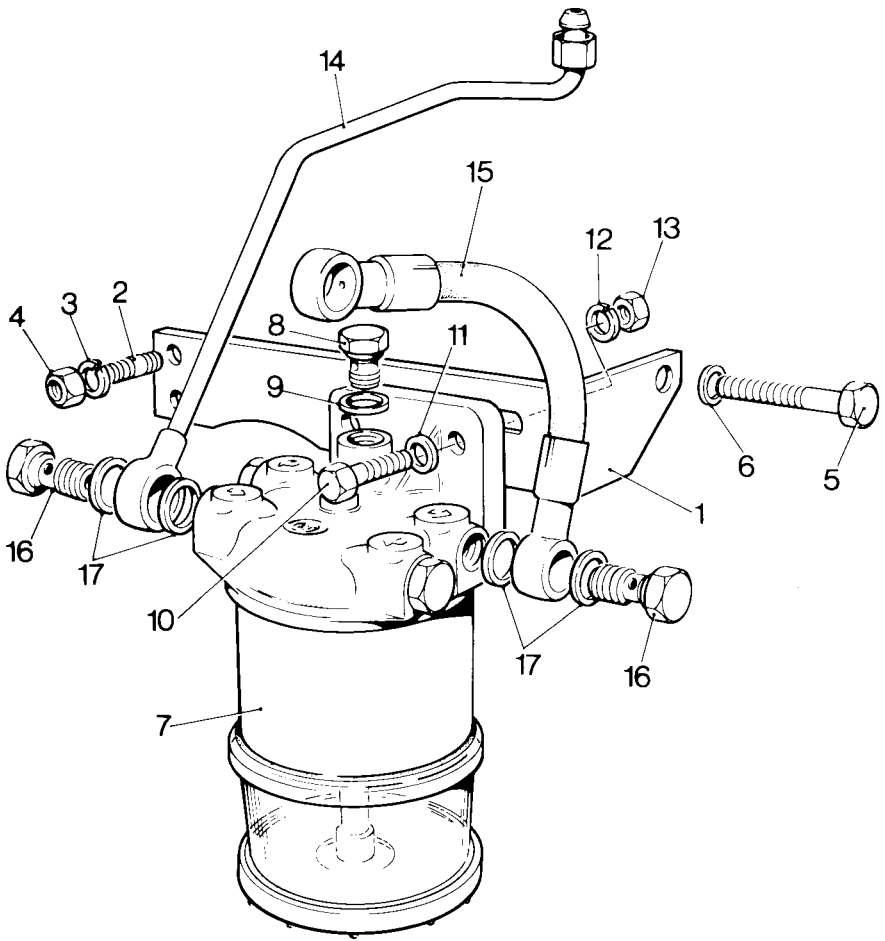


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FUEL LIFT PUMP ©

ST1 & 2 CODE FF

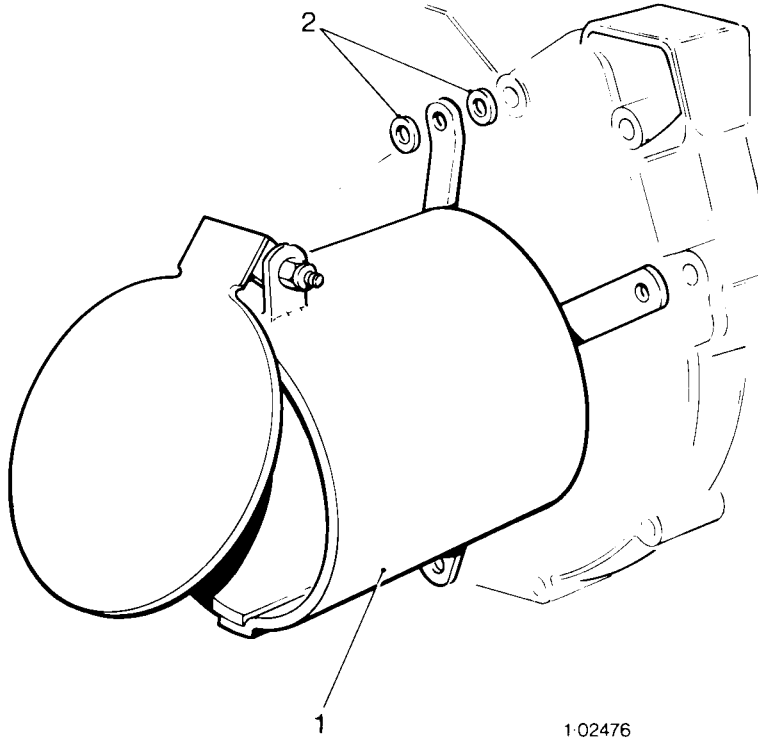
Illus No.	Description	Part No.	ST	
			1	2
FUEL FILTER / AGGLOMERATOR				
-	FILTER / AGGLOMERATOR ASSEMBLY	Code FF	1	1
1	SUPPORT BRACKET	366-06745	1	1
2	STUD - 5/16" UNF x 1 1/8"	270-00098	2	2
3	SPRING WASHER	027-00413	2	2
4	NUT - 5/16" UNF	270-00003	2	2
5	BOLT - End Cover - 5/16" UNF x 2 1/2"	270-00067	1	1
6	COPPER WASHER	616-01608	1	1
7	FILTER AGGLOMERATOR Includes	366-06750	1	1
-	FILTER AGGLOMERATOR - ELEMENT	351-29760	1	1
8	VENT SCREW	366-06751	1	1
9	WASHER	366-06752	1	1
10	BOLT - 5/16" UNF x 1 1/4"	270-00182	2	2
11	PLAIN WASHER	027-00082	2	2
12	SPRING WASHER	027-00413	2	2
13	NUT - 5/16" UNF	270-00003	2	2
14	FUEL PIPE ASSEMBLY - Fuel Tank to Agglomerator	366-06746	1	1
15	FLEXIBLE HOSE ASSEMBLY - Agglomerator to Engine Filter ..	366-06748	1	1
16	SWIVEL UNION PLUG	354-28380	2	2
17	JOINT	013-22350	4	4



1-02474

FILTER/AGGLOMERATOR ©

ST1, 2 & 3 CODE GA



1-02476

CAMSHAFT GUARD ©

Illus No.	Description	Part No.	ST		
			1	2	3
CAMSHAFT GUARD					
	CAMSHAFT GUARD ASSEMBLY	Code GA	1	1	1
1	GUARD	201-13590	1	1	1
2	COPPER JOINT	616-01608	3	3	3



IMPORTANTE

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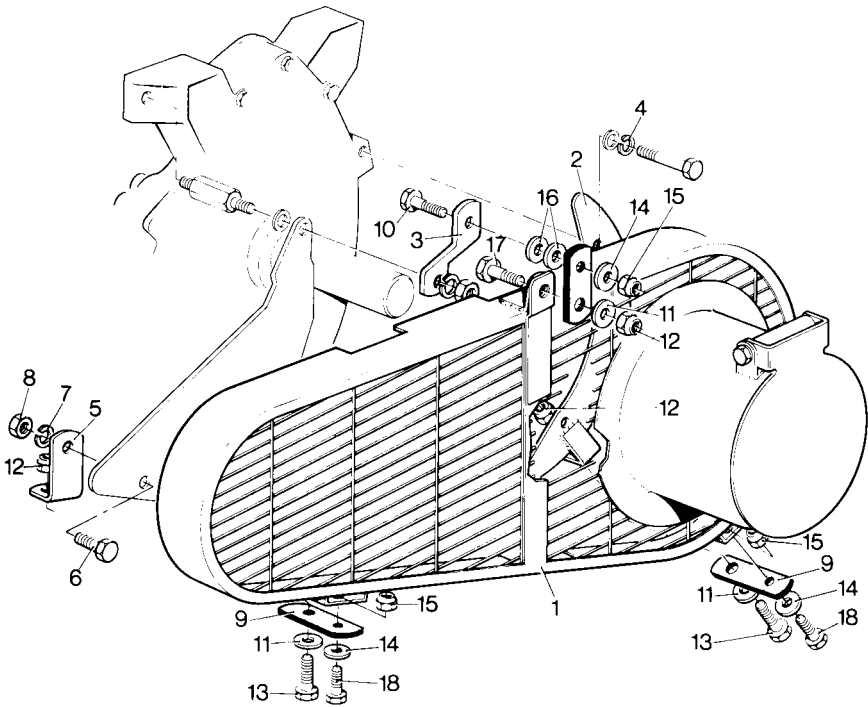
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PEÇAS GENUÍNAS LISTER

ST1, 2 & 3 CODE GB

Illus No.	Description	Part No.	ST		
			1	2	3
ALTERNATOR DRIVE GUARD					
	ALTERNATOR DRIVE GUARD	Code GB	1	1	1
1	BELT DRIVE GUARD ASSEMBLY	306-06708	1	1	1
2	BACKPLATE ASSEMBLY	366-06711	1	1	1
3	BRACKET - Top Fixing	366-06712	1	1	1
4	SPRING WASHER	027-00413	1	1	1
5	BRACKET - Left Hand Fixing	366-06713	1	1	1
6	BOLT - 5/16" UNF x 7/8"	270-00024	1	1	1
7	SPRING WASHER	027-00413	1	1	1
8	NUT - 5/16" UNF	270-00003	1	1	1
9	FLEXIBLE MOUNTING STRAP	204-53460	3	3	3
10	BOLT - 1/4" UNF x 1 1/8"	270-00122	1	1	1
11	WASHER	354-24890	3	3	3
12	NUT - Self Locking - 5/16" UNF	270-00153	3	3	3
13	BOLT - 5/16" UNF x 1"	270-00061	2	2	2
14	WASHER	204-53470	3	3	3
15	NUT - Self Locking - 5/16" UNF	270-00154	3	3	3
16	WASHER	204-53470	2	2	2
17	BOLT - 5/16" UNF x 1 1/8"	270-00025	1	1	1
18	BOLT - 1/4" UNF x 7/8"	270-00114	2	2	2

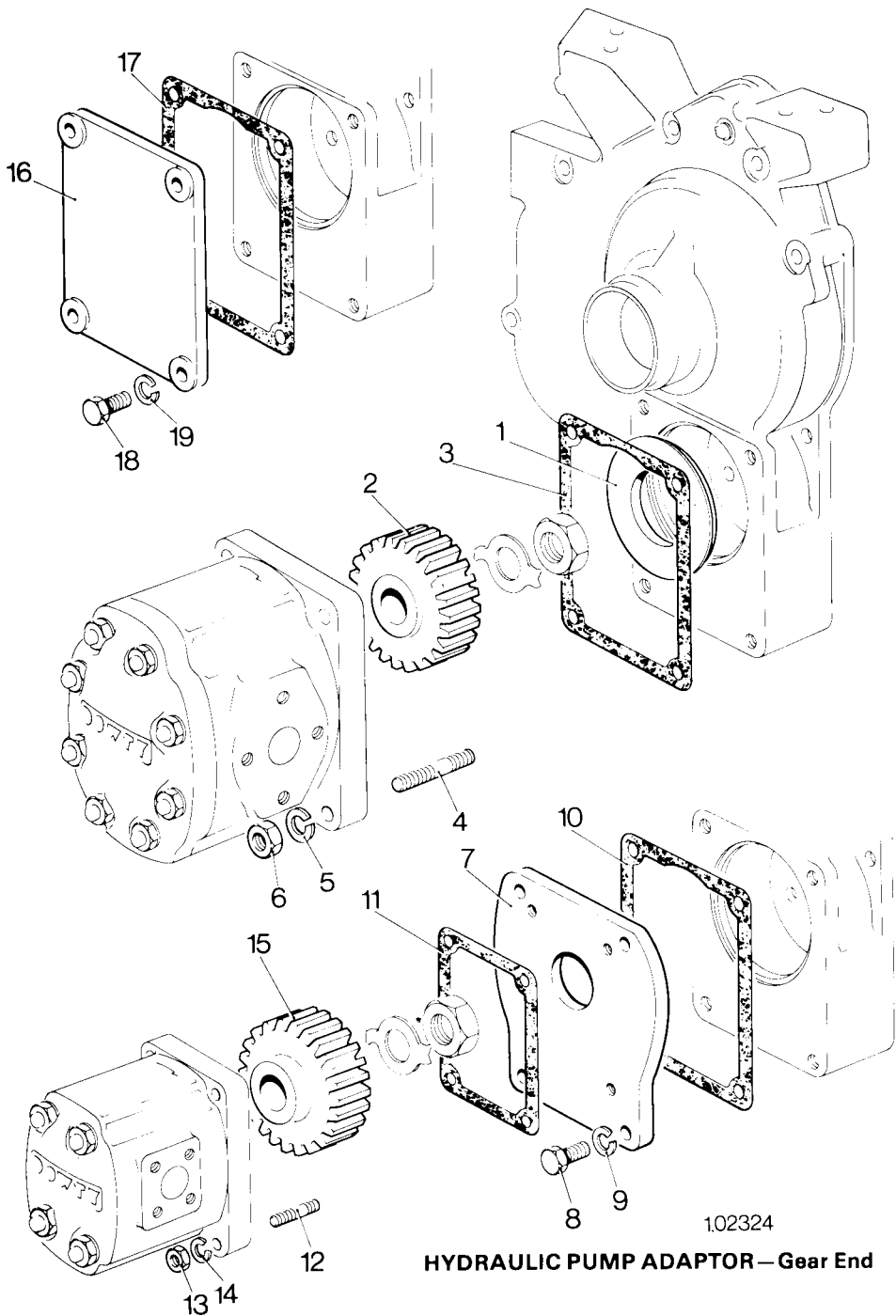


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ALTERNATOR DRIVE GUARD ©

ST1, 2 & 3 CODE HC, HD & HE

Illus No.	Description	Part No.	ST		
			1	2	3
HYDRAULIC PUMP ADAPTOR - Gear End					
	DOWTY 2P 3000 Hydraulic Pump	Code HC	1	1	1
	DOWTY 1P 3000 Hydraulic Pump	Code HD	1	1	1
	BLANKING PLATE	Code HE	1	1	1
ADAPTOR - Dowty 2P 3000					
1	ADAPTOR RING	366-03439	1	1	1
2	GEAR - Pump Drive	366-03437	1	1	1
3	JOINT	366-02937	1	1	1
4	STUD - 5/16" UNF x 1 3/4"	270-00084	4	4	4
5	SPRING WASHER	027-00413	4	4	4
6	NUT - 5/16" UNF	270-00003	4	4	4
ADAPTOR - Dowty 1P 3000					
7	ADAPTOR PLATE	366-04139	1	1	1
8	SETSCREW - 5/16" UNF x 1"	270-00060	4	4	4
9	SPRING WASHER	027-00413	4	4	4
10	JOINT - End Cover to Plate	366-02937	1	1	1
11	JOINT - Pump to Adaptor Plate	366-04140	1	1	1
12	STUD - 1/4" UNF x 1 3/8"	270-00606	4	4	4
13	NUT - 1/4" UNF	270-00002	4	4	4
14	SPRING WASHER	027-00451	4	4	4
15	GEAR - Pump Drive	366-04997	1	1	1
BLANKING PLATE					
16	BLANKING PLATE	366-04377	1	1	1
17	JOINT	366-02937	1	1	1
18	SETSCREW - 5/16" UNF x 1"	270-00060	4	4	4
19	SPRING WASHER	027-00413	4	4	4

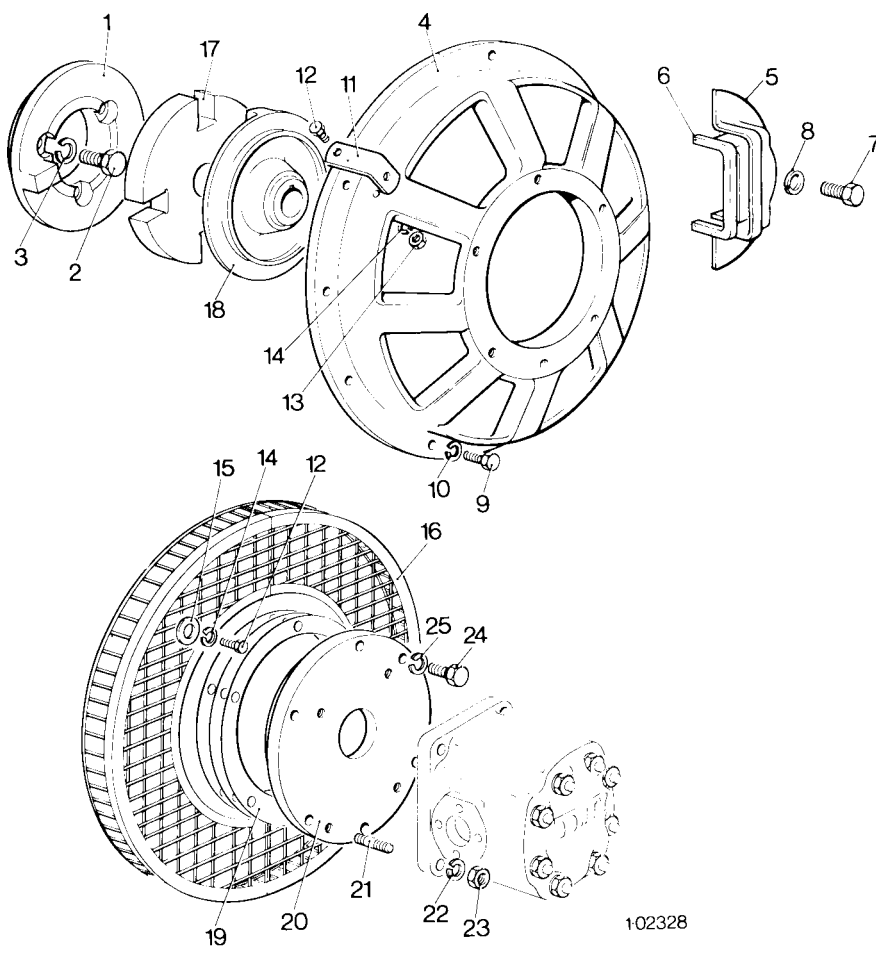


102324

HYDRAULIC PUMP ADAPTOR—Gear End ©

ST1 CODE HF, HG & HH

Illus No.	Description	Part No.	ST
	HYDRAULIC PUMP ADAPTOR - Flywheel End		1
	- Dowty 2P 3000 Pump	Code HF	1
	- Dowty 1P 3000 Pump	Code HG	1
	- Rough Bored Coupling	Code HH	1
1	DRIVING MEMBER	201-81150	1
2	BOLT - 7/16" UNF x 1 1/4"	270-00274	3
3	SPRING WASHER	027-00984	3
4	ADAPTOR CASING	366-06644	1
5	SEALING COVER ASSEMBLY	570-15910	1
6	FELT	201-82940	1
7	SETSCREW - 3/8" UNF x 1"	270-00073	1
8	SPRING WASHER	027-00393	1
9	SETSCREW - 5/16" UNF x 7/8"	270-00024	6
10	SPRING WASHER	027-00413	6
11	BRACKET ASSEMBLY	366-06353	4
12	SETSCREW - M6 x 20mm	272-00117	8
13	NUT - M6	272-00002	4
14	SPRING WASHER	272-00070	8
15	PLAIN WASHER	027-01368	4
16	GUARD ASSEMBLY	366-06347	1
17	COUPLING DISC	382-00913	1

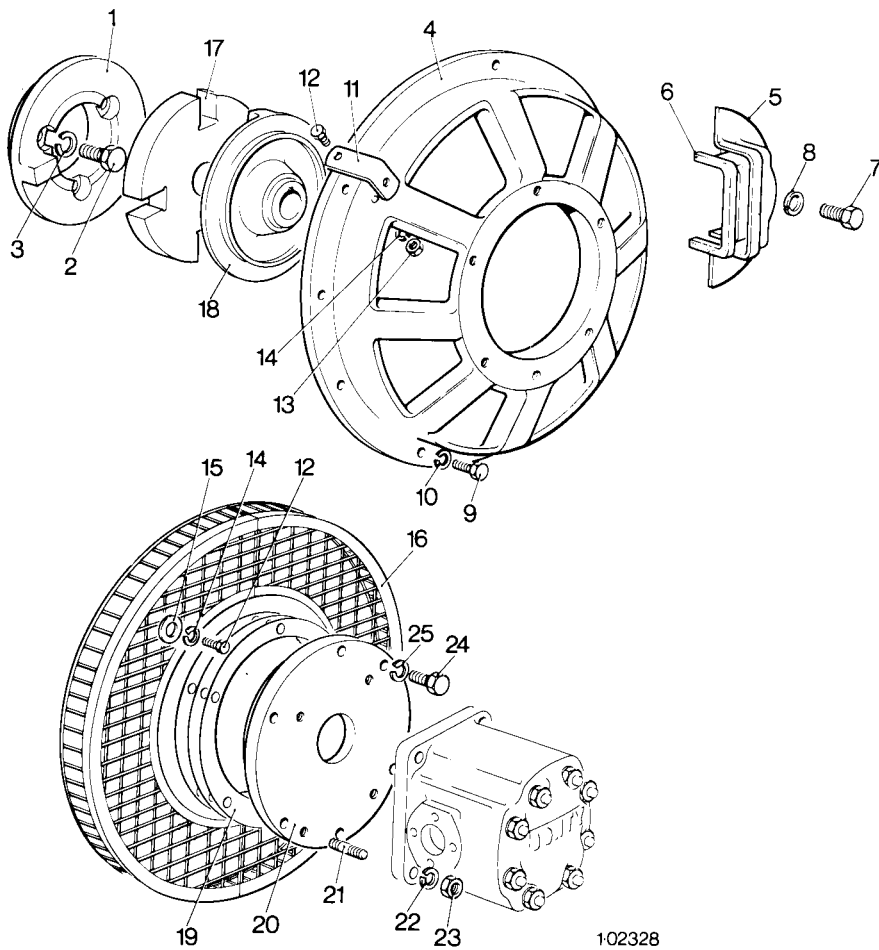


102328

HYDRAULIC PUMP ADAPTOR – Flywheel End ©

ST1 CODE HF, HG & HH

Illus No.	Description	Part No.	ST
HYDRAULIC PUMP ADAPTOR - Flywheel End (Cont.)			
HALF COUPLING			
18	HALF COUPLING - Dowty 2P 3000 Pump	366-03834	1
-	HALF COUPLING - Dowty 1P 3000 Pump	382-01473	1
-	HALF COUPLING - Rough Bored	366-06375	1
19	SHIM	366-04849	3
MOUNTING PLATE			
20	MOUNTING PLATE - Dowty 2P 3000 Pump	366-04843	1
-	MOUNTING PLATE - Dowty 1P 3000 Pump	366-04842	1
-	MOUNTING PLATE - Rough Bored	366-06374	1
21	STUD - 5/16" UNF x 1 1/2" } To secure Dowty	270-00083	4
22	SPRING WASHER } 2P 3000 Pump	027-00413	4
23	NUT - 5/16" UNF	270-00003	4
-	BOLT - 1/4" UNF x 1 1/4" } To secure Dowty	270-00366	4
-	SPRING WASHER } 1P 3000 Pump	027-00451	4
24	SETSCREW - 5/16" UNF x 1 1/8"	270-00025	6
25	SPRING WASHER	027-00413	6

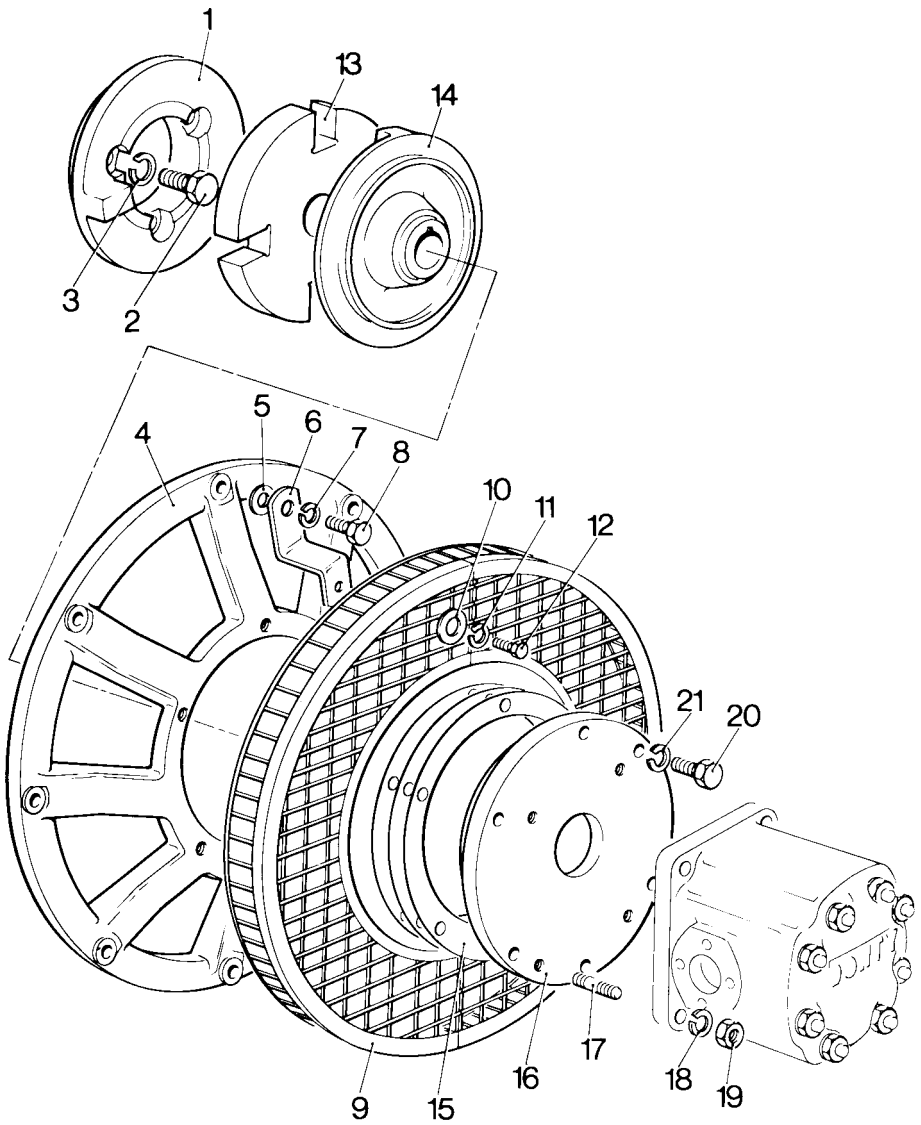


102328

HYDRAULIC PUMP ADAPTOR – Flywheel End ©

ST2 & 3 CODE HF, HG & HH

Illus No.	Description	Part No.	ST	
			1	2
HYDRAULIC PUMP ADAPTOR - Flywheel End				
	- Dowty 2P 3000 Pump	Code HF	1	1
	- Dowty 1P 3000 Pump	Code HG	1	1
	- Rough Bored Coupling	Code HH	1	1
1	DRIVING MEMBER	201-81150	1	1
2	BOLT - 7/16" UNF x 1 1/4"	270-00274	3	3
3	SPRING WASHER	027-00984	3	3
4	ADAPTOR CASING	366-04839	1	1
5	SPACER	201-13180	4	4
6	BRACKET ASSEMBLY	366-06354	4	4
7	SPRING WASHER	027-00393	8	8
8	BOLT - 3/8"UNC x 1 1/8"	270-00485	8	8
9	GUARD ASSEMBLY	366-06347	1	1
10	PLAIN WASHER	027-01368	4	4
11	SPRING WASHER	272-00070	4	4
12	SETSCREW - M6 x 16mm	272-00034	4	4
13	COUPLING DISC	382-00913	1	1
	HALF COUPLING			
14	HALF COUPLING - Dowty 2P 3000 Pump	366-03834	1	1
-	HALF COUPLING - Dowty 1P 3000 Pump	382-01473	1	1
-	HALF COUPLING - Rough Bored	366-06375	1	1
15	SHIM	366-04849	3	3
	MOUNTING PLATE			
16	MOUNTING PLATE - Dowty 2P 3000 Pump	366-04843	1	1
-	MOUNTING PLATE - Dowty 1P 3000 Pump	366-04842	1	1
-	MOUNTING PLATE - Rough Bored	366-06374	1	1
17	STUD - 5/16" UNF x 1 1/2"	To secure Dowty	4	4
18	SPRING WASHER	2P 3000 Pump	4	4
19	NUT - 5/16" UNF	270-00083	4	-
-	BOLT - 1/4" UNF x 1 1/4"	To secure Dowty	4	4
-	SPRING WASHER	1P 3000 Pump	4	4
20	SETSCREW - 5/16" UNF x 1 1/8"	270-00025	6	6
21	SPRING WASHER	027-00413	6	6

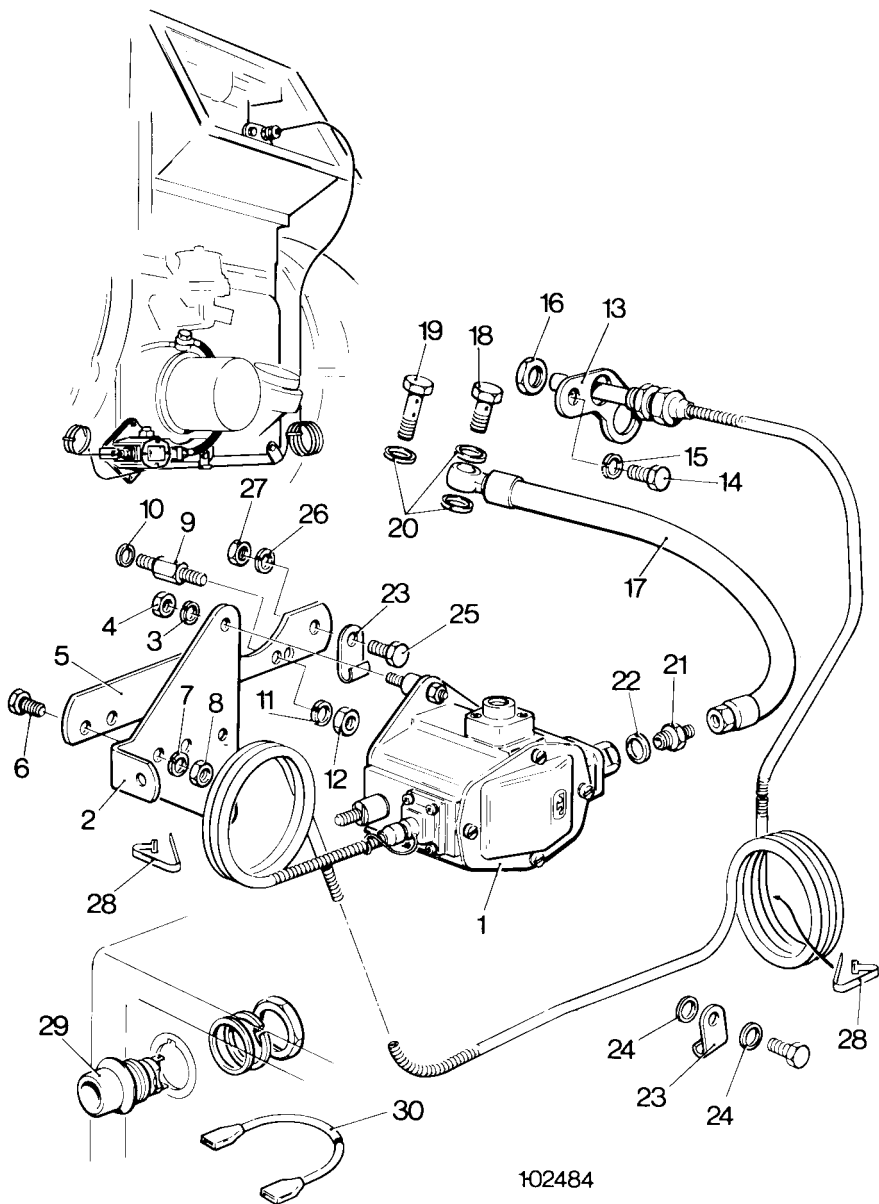


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HYDRAULIC PUMP ADAPTOR – Flywheel End ©

ST1, 2 & 3 CODE JB

Illus No.	Description	Part No.	ST		
			1	2	3
COMBINED OIL PRESSURE & ENGINE TEMPERATURE SWITCH					
-	SWITCH BOX ASSEMBLY	Code JB	1	1	1
-	COMBINED SWITCH ASSEMBLY Comprising	570-16590	1	1	1
1	COMBINED SWITCH	382-07356	1	1	1
2	MOUNTING BRACKET	382-07315	1	1	1
3	SPRING WASHER	064-02582/002	3	3	3
4	NUT	064-06611/003	3	3	3
5	MOUNTING BRACKET	366-06843	1	1	1
6	SETSCREW - M6x 1.0-6g x 16mm	272-00034	2	2	2
7	SPRING WASHER	272-00070	2	2	2
8	NUT - M6 x 1.0-6H	272-00002	2	2	2
9	PILLAR STUD	366-06842	2	2	2
10	COPPER JOINT	616-01414	2	2	2
11	SPRING WASHER	027-00451	2	2	2
12	NUT - 1/4" UNF	270-00002	2	2	2
13	PROBE BRACKET	366-03695	1	1	1
14	SETSCREW - 1/4" UNF x 1/2"	270-00054	1	1	1
15	SPRING WASHER	027-00451	1	1	1
16	LOCKNUT	027-00017	2	2	2
17	FLEXIBLE OIL PIPE ASSEMBLY	366-06850	1	1	1
18	SWIVEL UNION PLUG	201-17270	1	1	1
19	SWIVEL UNION PLUG	064-25495	1	1	1
20	COPPER JOINT	291-26090	3	3	3
21	UNION ADAPTOR	291-33200	1	1	1
22	COPPER JOINT	013-22350	1	1	1
23	CLIP	351-19940	1	2	2
24	COPPER JOINT	616-01414	-	2	2
25	SETSCREW - M6 x 1.0-6g x 14mm	272-00033	1	1	1
26	SPRING WASHER	272-00070	1	1	1
27	NUT - M6 x 1.0 - 6H	272-00002	1	1	1
28	CABLE TIES	064-32790/001	3	3	3
29	PUSH BUTTON	366-06378	1	1	1
30	WIRE ASSEMBLY	366-06906	1	1	1
	CONNECTION DIAGRAM - ST1	742-00349			
	CONNECTION DIAGRAM - ST2 & 3	742-00350			

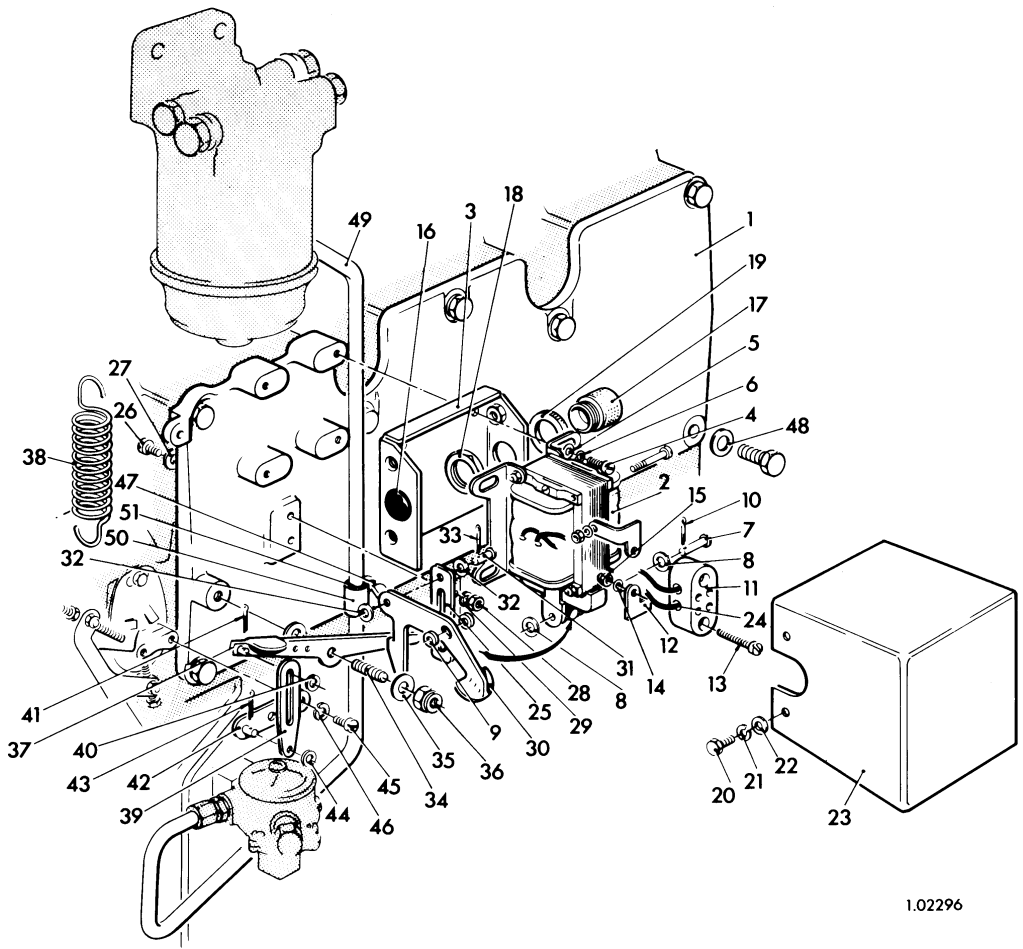


102484

OIL PRESSURE & ENGINE TEMPERATURE SWITCH COMBINED ©

ST1 CODE JC, ST2 CODE JC & JD, ST3 CODE JC & JD

Illus No.	Description	Part No.	ST		
			1	2	3
FUEL CONTROL SOLENOID - Trip Type					
-	FUEL CONTROL SOLENOID - Trip Type				
	12V ST1, 2 & 3	Code JC	1	1	1
	220/240V 50 Hz ST2 & 3	Code JD	-	1	1
FUEL PUMP HOUSING DOOR					
FUEL PUMP HOUSING DOOR					
-	- ST1 } Coded assembly includes new	064-09686	1	-	-
-	- ST2 } Fuel Pump Housing Door	064-23038	-	1	-
1	- ST3 } Joint as Build 01	064-13866	-	-	1
SOLENOID					
2	SOLENOID - 12 / 18V DC	064-13177/003	1	1	1
-	SOLENOID - 220 / 240V 50Hz	064-13177/001	-	1	1
3	BASE TRAY ASSEMBLY	366-06502	1	1	1
4	SCREW	064-06772/011	4	4	4
5	PLAIN WASHER	064-06612/002	4	4	4
6	SPRING WASHER	064-02582/001	4	4	4
7	RIVET	064-09692	1	1	1
8	PLAIN WASHER	064-06612/005	2	2	2
9	SPACER	064-30899	2	2	2

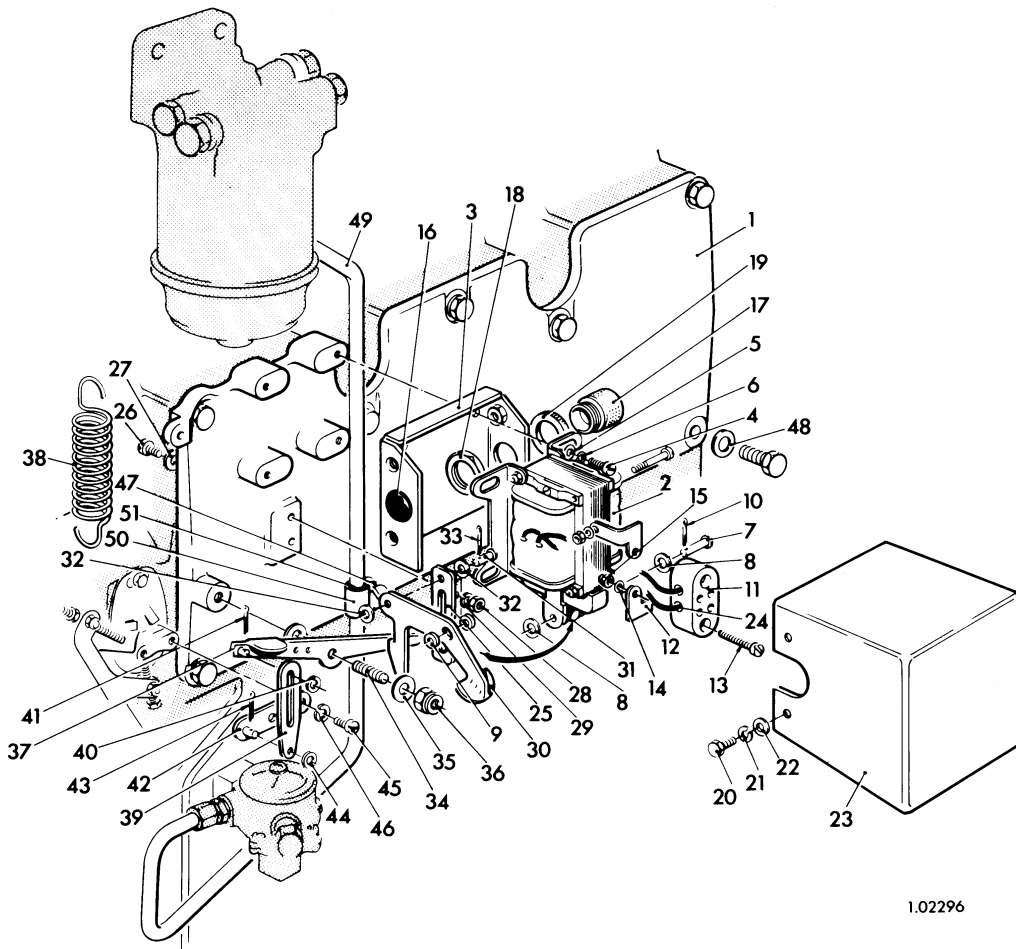


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FUEL CONTROL SOLENOID — Trip Type ©

ST1 CODE JC, ST2 CODE JC & JD, ST3 CODE JC & JD

Illus No.	Description	Part No.	ST		
			1	2	3
FUEL CONTROL SOLENOID - Trip Type (Cont.)					
SOLENOID (Cont.)					
10	SPLIT PIN	064-06722/003	1	1	1
11	TERMINAL BLOCK	064-07040/013	1	1	1
12	BRACKET - Terminal Block	064-09157	2	2	2
13	SCREW	064-06772/017	2	2	2
14	PLAIN WASHER	064-06612/002	2	2	2
15	SIMMONDS NUT	064-06649/002	2	2	2
16	HELVIN BUTTON	064-13033/066	1	1	1
17	ADAPTOR - Conduit	064-33089/017	1	1	1
18	LOCKNUT - Conduit	064-33075/002	1	1	1
19	LOCKNUT - Conduit (Reqd for adaptor without shoulder) .	064-33076/001	1	1	1
20	SCREW	064-06771/043	4	4	4
21	SPRING WASHER	064-02582/002	4	4	4
22	PLAIN WASHER	064-06612/004	4	4	4
23	COVER ASSEMBLY	366-06504	1	1	1
24	BLACK CABLE - 150mm	700-00592	2	2	2
FUEL CUT OFF LEVERS					
25	BRACKET - Trip Lever	064-09689	1	1	1
26	SETSCREW - No. 10 UNF x 7/8" Cheese Headed	270-00267	2	2	2
27	PACKING WASHER	027-01698	2	2	2
28	NUT - 3/16" UNF	270-00001	2	2	2
29	SPRING WASHER	064-02582/002	2	2	2
30	TRIP LEVER ASSEMBLY	064-09697	1	1	1
31	HINGE RIVET	064-09690	1	1	1
32	PLAIN WASHER	064-06612/004	2	2	2
33	SPLIT PIN	064-06722/003	1	1	1
34	STUD - 1/4" UNF x 1 1/8"	270-00243	1	1	1
35	PLAIN WASHER	064-06612/006	2	2	2
36	NUT - Self Locking 1/4" UNF	270-00153	1	1	1
37	ROCKING LEVER ASSEMBLY	064-09694	1	1	1
38	OPERATING SPRING	064-09688	1	1	1
39	CONTROL LINK	064-09687	1	1	1

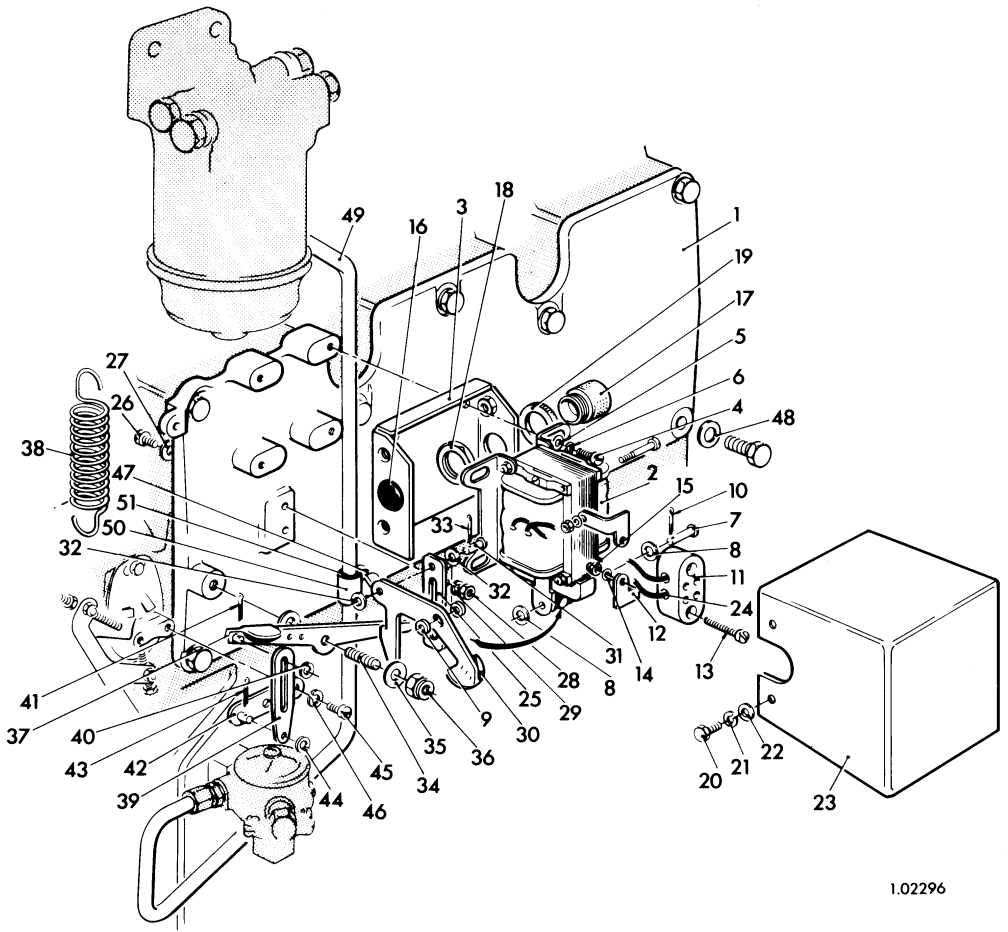


1.02296

FUEL CONTROL SOLENOID—Trip Type ©

ST1 CODE JC, ST2 CODE JC & JD, ST3 CODE JC & JD

Illus No.	Description	Part No.	ST		
			1	2	3
FUEL CONTROL SOLENOID - Trip Type (Cont.)					
FUEL CUT OFF LEVERS (Cont.)					
40	PLAIN WASHER	064-06612/002	1	1	1
41	SPLIT PIN	064-06722/003	1	1	1
42	CONTROL LEVER ASSEMBLY	064-09705	1	1	1
43	SPLIT PIN	064-06722/003	1	1	1
44	PLAIN WASHER	064-06612/002	1	1	1
45	SETSCREW - Round Head Brass SETSCREW - No. 10 UNF x 3/8"	270-00239	2	2	2
46	LOCK WASHER	064-02582/002	2	2	2
47	SETSCREW - Cheese Head 1/4" UNF x 5/8"	270-00053	2	1	1
48	COPPER WASHER	616-01414	-	-	9
49	FUEL PIPE ASSEMBLY	203-82900	-	-	1
50	PIPE CLIP	203-82910	-	-	1
51	FELT - Clip	201-17170	-	-	1

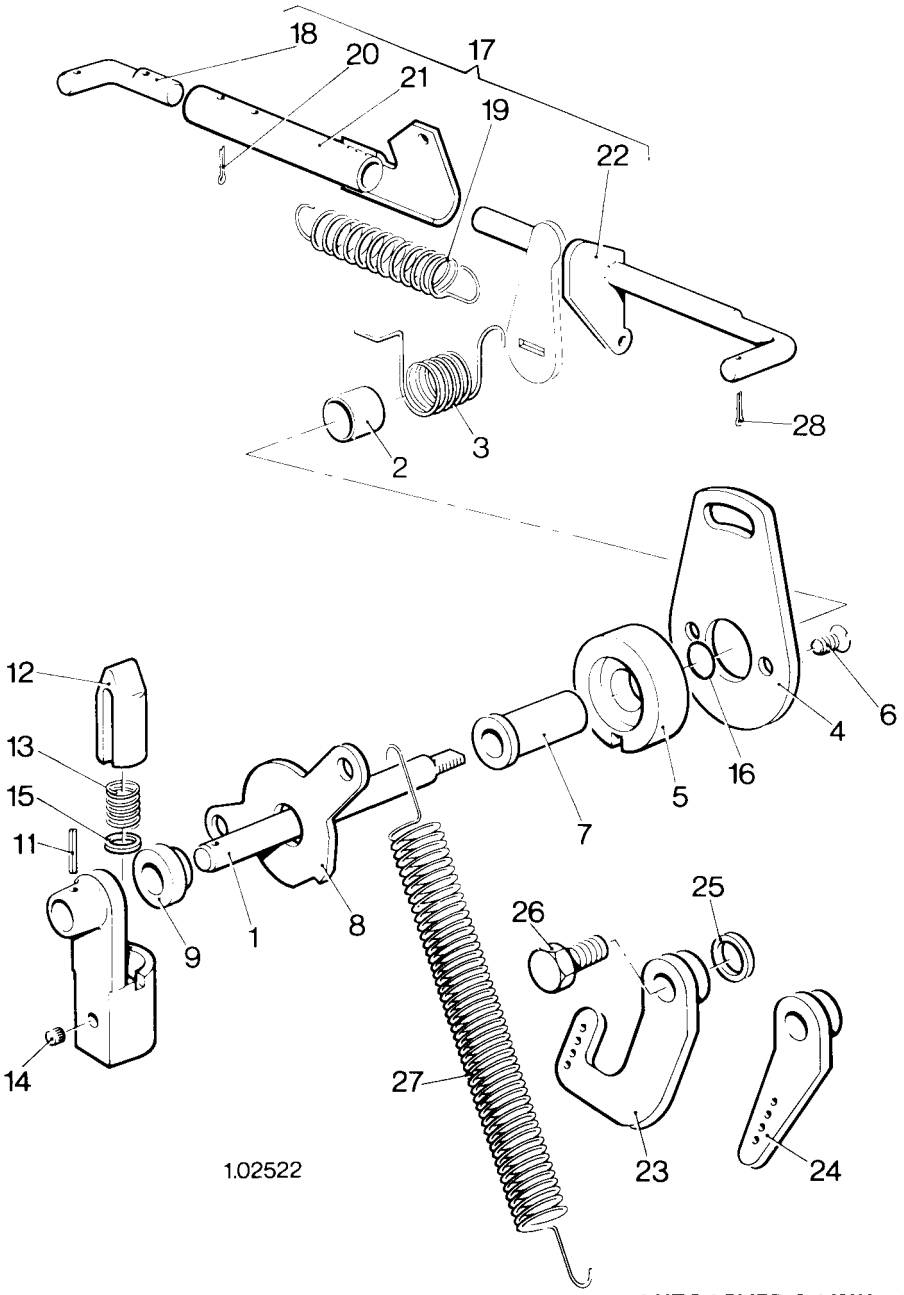


1.02296

FUEL CONTROL SOLENOID—Trip Type ©

ST1, 2 & 3 CODE JP

Illus No.	Description	Part No.	ST		
			1	2	3
AUTO LEVER & LINK					
	AUTO LEVER & LINK	Code JP	1	1	1
	AUTO CONTROL LEVER ASSEMBLY Comprising	570-16710	1	1	1
1	SPINDLE	064-08886	1	1	1
2	SPACER - Movement Limit	064-09267	1	1	
3	SPRING - Overload Control	064-32720	1	1	1
4	ADJUSTMENT PLATE	064-08894	1	1	1
5	LOCKING DISC	064-31952	1	1	1
6	SCREW	064-06616/001	2	2	2
7	SPACER BUSH	064-08885	1	1	1
8	CAM CONTROL LEVER	366-06753	1	1	1
9	CAM BUSH	366-06754	1	1	1
10	PLUNGER BARREL	064-31953	1	1	1
11	SPRING PIN	064-33429	1	1	1
12	CONTROL PLUNGER	064-32699	1	1	1
13	SPRING - Plunger	064-07967	1	1	1
14	DOWEL - Plunger Locating	064-09249	1	1	1
15	SHIM	064-02580/001	2	2	2
16	'O' RING	201-13120	1	1	1
17	GOVERNOR LINK ASSEMBLY Comprising	201-83070	1	1	1
18	GOVERNOR LINK END	201-83080	1	1	1
19	SPRING	201-83091	1	1	1
20	PIN	201-83100	1	1	1
21	TUBE ASSEMBLY	201-83110	1	1	1
22	GOVERNOR LINK END ASSEMBLY	201-83140	1	1	1
23	SPRING ANCHOR BRACKET ASSEMBLY - ST1 & 2	366-06809	1	1	-
24	SPRING ANCHOR BRACKET ASSEMBLY - ST3	366-06782	-	-	1
25	COPPER WASHER	616-01414	1	1	1
26	BOLT - 1/4" UNF x 1 1/4"	270-00366	1	1	1
27	SOLENOID RETURN SPRING	366-06785	1	1	1
-	END COVER JOINT	201-11211	1	1	1
-	JOINT - Fuel Pump Housing Door - ST1	201-11581	1	-	-
-	JOINT - Fuel Pump Housing Door - ST2	202-11583	-	1	-
-	JOINT - Fuel Pump Housing Door - ST3	203-11580	-	-	1
28	SPLIT PIN - Governor Link	027-01986	2	2	2
-	COPPER WASHER - End Cover Bolts	616-01608	7	7	7
-	- F. P. H. Door Bolts	616-01414	4	6	9

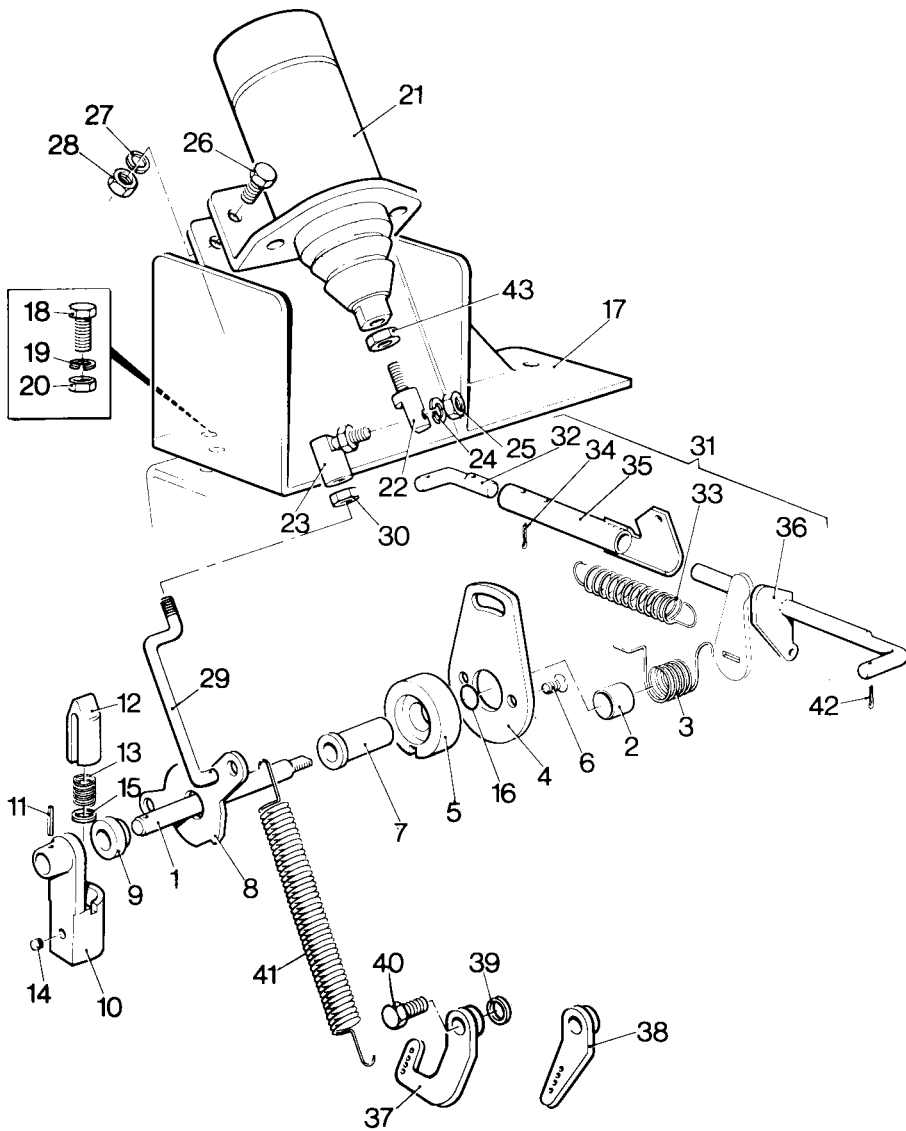


1.02522

AUTO LEVER & LINK ©

ST1 CODE JH, ST2 CODE JO & JT, ST3 CODE JS & JT

Illus No.	Description	Part No.	ST		
			1	2	3
12V SYNCHRO FUEL CONTROL SOLENOID - Energised to Run					
-	12V SYNCHRO FUEL CONTROL SOLENOID				
-	ST1 - 12V	Code JH	1	-	-
-	ST2 - 12V	Code JO	-	1	-
-	ST2 - 24V	Code JT	-	1	-
-	ST3 - 12V	Code JS	-	-	1
-	ST3 - 24V	Code JT	-	-	1
-	AUTO CONTROL LEVER ASSEMBLY Comprising	570-16710	1	1	1
1	SPINDLE	064-08886	1	1	1
2	SPACER - Movement Limit	064-09267	1	1	1
3	SPRING - Overload Control	064-32720	1	1	1
4	ADJUSTMENT PLATE	064-08894	1	1	1
5	LOCKING DISC	064-31952	1	1	1
6	SCREW	064-06616/001	2	2	2
7	SPACER BUSH	064-08885	1	1	1
8	CAM CONTROL LEVER	366-06753	1	1	1
9	CAM BUSH	366-06754	1	1	1
10	PLUNGER BARREL	064-31953	1	1	1
11	SPRING PIN	064-33429	1	1	1
12	CONTROL PLUNGER	064-32699	1	1	1
13	SPRING - Plunger	064-07967	1	1	1
14	DOWEL - Plunger Locating	064-09249	1	1	1
15	SHIM	064-02580/001	2	2	2
16	'O' RING	201-13120	1	1	1
17	SOLENOID BRACKET ASSEMBLY	366-06776	1	1	1
18	SCREW - M6 x 1.0 - 6g x 16mm	272-00034	4	4	4
19	SPRING WASHER	272-00070	4	4	4
20	NUT- M6 x 1.0 - 6H	272-00002	4	4	4
21	SOLENOID - 12V	366-06845	1	1	1
-	SOLENOID - 24V	366-06905	-	1	1
22	CONNECTOR	366-06846	1	1	1
23	BALL JOINT	366-06847	1	1	1
24	SPRING WASHER	027-00717	1	1	1
25	NUT- 0.19" UNF	270-00001	1	1	1
26	SETSCREW - Solenoid - M6 x 1.0 - 6g x 16mm	272-00034	2	2	2
27	SPRING WASHER	272-00070	2	2	2
28	NUT - M6 x 1.0 - 6H	272-00002	2	2	2
29	SOLENOID LINK	366-06781	1	1	1
30	NUT- 0.19" UNF	270-00001	1	1	1

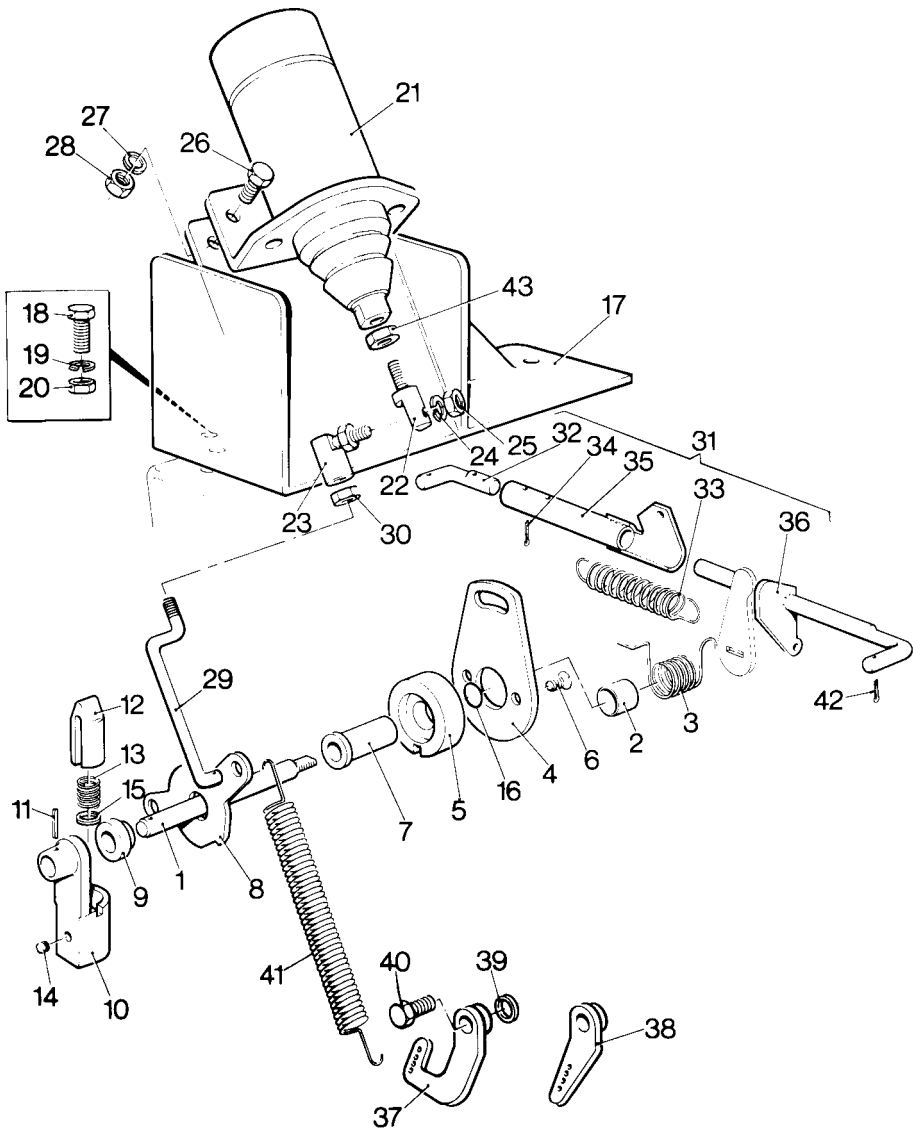


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12V SYNCHRO FUEL CONTROL SOLENOID ©

ST1 CODE JH, ST2 CODE JO & JT, ST3 CODE JS & JT

Illus No.	Description	Part No.	ST		
			1	2	3
12V SYNCHRO FUEL CONTROL SOLENOID (Cont.)					
31	GOVERNOR LINK ASSEMBLY Comprising	201-83070	1	1	1
32	GOVERNOR LINK END	201-83080	1	1	1
33	SPRING	201-83091	1	1	1
34	SPLIT PIN	201-83100	1	1	1
35	TUBE ASSEMBLY	201-83110	1	1	1
36	GOVERNOR LINK END ASSEMBLY	201-83140	1	1	1
37	SPRING ANCHOR BRACKET ASSEMBLY - ST1 & 2	366-06809	1	1	-
38	SPRING ANCHOR BRACKET ASSEMBLY - ST3	366-06782	-	-	1
39	COPPER WASHER	616-01414	1	1	1
40	BOLT - 1/4" UNF x 1 1/4"	270-00366	1	1	1
41	SOLENOID RETURN SPRING	366-06785	1	1	1
-	END COVER JOINT	201-11211	1	1	1
-	JOINT - Fuel Pump Housing Door - ST1	201-11581	1	-	-
-	JOINT - Fuel Pump Housing Door - ST2	202-11583	-	1	-
-	JOINT - Fuel Pump Housing Door - ST3	203-11580	-	-	1
42	SPLIT PIN - Governor Link	027-01986	2	2	2
-	COPPER WASHER - End Cover Bolts	616-01608	7	7	7
-	COPPER WASHER - F.P.H. Door Bolts	616-01414	4	6	9
43	NUT - 1/4" UNF	270-00002	1	1	1

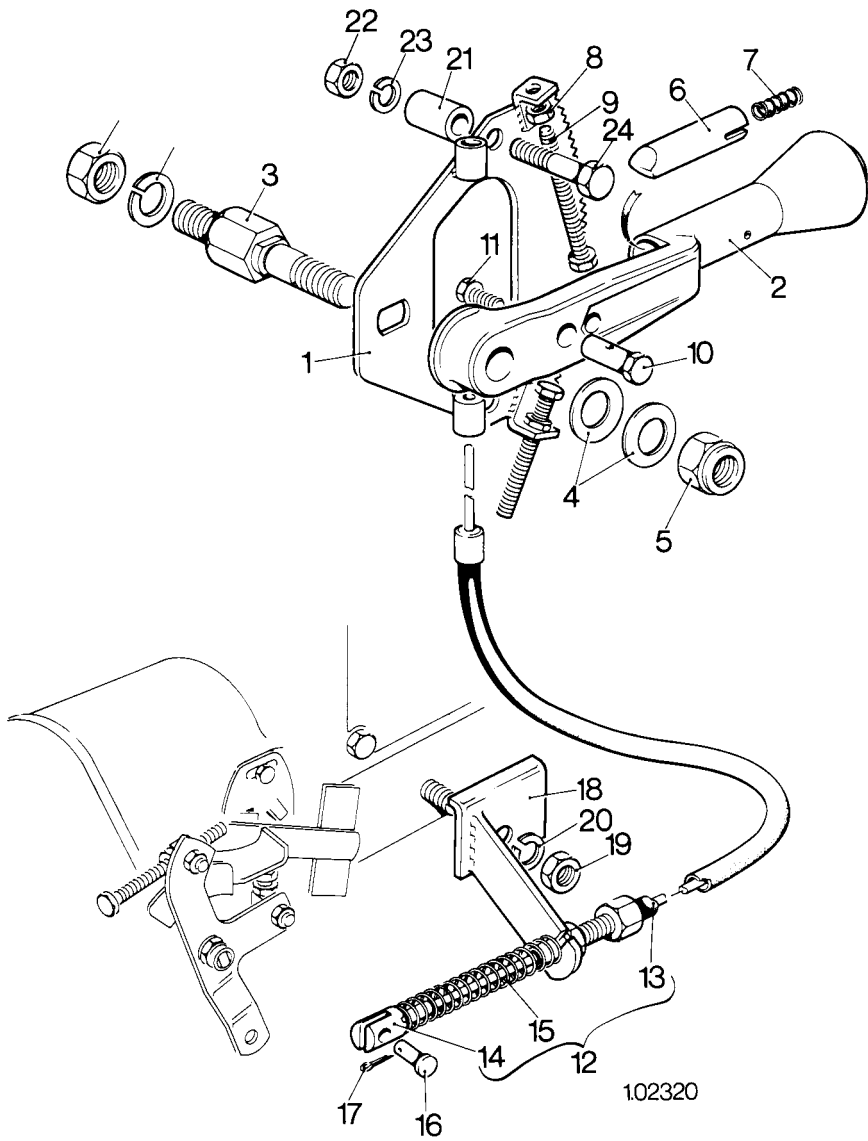


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12V SYNCHRO FUEL CONTROL SOLENOID ©

ST1, 2 & 3 CODE KA

Illus No.	Description	Part No.	ST		
			1	2	3
VARIABLE SPEED CONTROL - Cable Operated					
-	VARIABLE SPEED CONTROL	Code KA	1	1	1
	OPERATING LEVER ASSEMBLY Comprising	572-10361	1	1	1
1	DETENT PLATE ASSEMBLY	351-15912	1	1	1
2	LEVER ASSEMBLY	351-15962	1	1	1
3	PIVOT SHAFT	351-15992	1	1	1
4	DISC SPRING	351-19530	2	2	2
5	NUT-Self Locking 1/2" UNF	270-00236	1	1	1
6	RATCHET	351-16022	1	1	1
7	SPRING-Ratchet	351-19510	1	1	1
8	NUT-Stop Screw 1/4" UNF	270-00002	2	2	2
9	SETSCREW - 1/4" UNF x 21/4"	270-00329	2	2	2
10	CABLE NIPPLE	351-16002	1	1	1
11	SETSCREW - Cable Nipple 1/4" UNF x 1/2"	270-00054	1	1	1
	CABLE & YOKE ASSEMBLY Comprising				
	- 3' 0" Long	366-04968	1	1	1
12	- 6' 0" Long - Supplied with Code KA	366-04969	1	1	1
	- 10' 0" Long	366-04970	1	1	1
	CABLE - 3' 0"	366-04627	1	1	1
13	- 6' 0"	366-04628	1	1	1
	- 10' 0"	366-04629	1	1	1
14	YOKE	366-04616	1	1	1
15	SPRING	366-04971	1	1	1
16	PIN - Yoke	366-04618	1	1	1
17	SPLIT PIN	027-02255	1	1	1
18	ABUTMENT PLATE ASSEMBLY	366-04972	1	1	1
19	NUT - 5/16" UNF	270-00003	1	1	1
20	SPRING WASHER	027-00413	1	1	1
21	DISTANCE PIECE-Operating Lever	351-16621	2	2	2
22	NUT - Fulcrum Pin 1/2" UNF	270-00006	1	1	1
23	SPRING WASHER	027-00394	1	1	1
24	BOLT - Operating Lever to Bracket 5/16" UNF x 1 3/4"	270-00064	2	2	2
25	NUT - 5/16" UNF Brass	270-00014	2	2	2
26	SPRING WASHER	027-00413	2	2	2
-	CABLE NIPPLE	351-16002	1	1	1
-	SETSCREW - 1/4" UNF x 1/2"	270-00054	1	1	1
-	LABEL - Minimum Speed Setting	201-82950	1	1	1

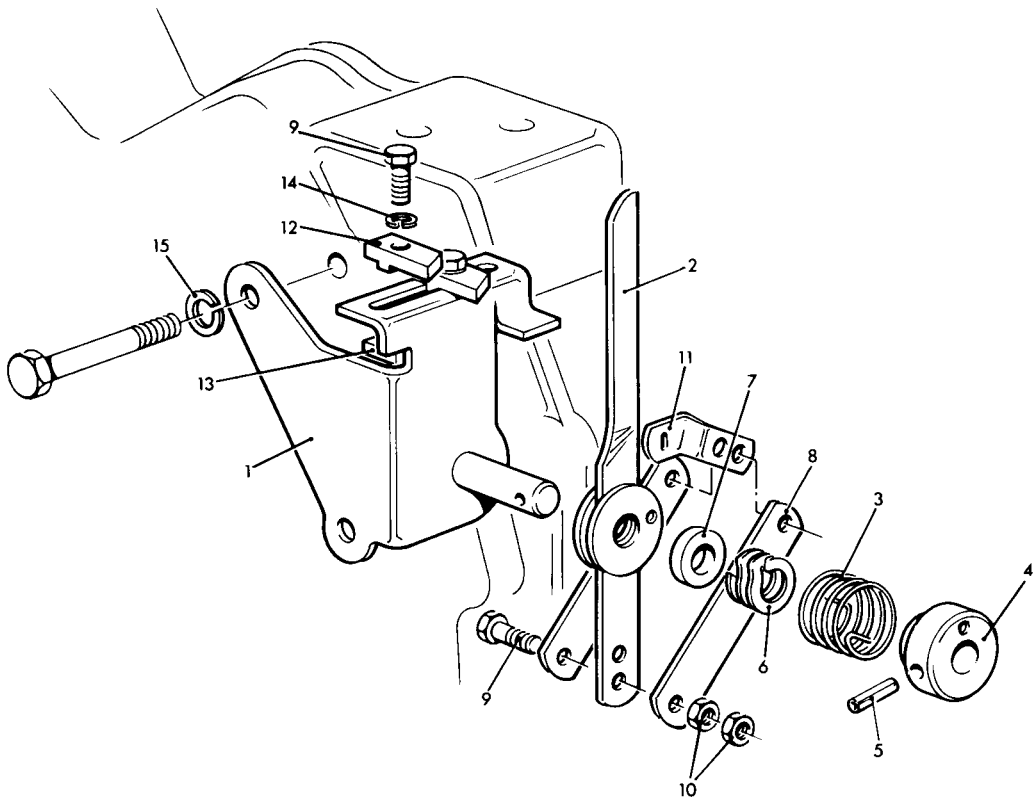


102320

VARIABLE SPEED CONTROL – Cable Operated ©

ST1, 2 & 3 CODE KB

Illus No.	Description	Part No.	ST		
			1	2	3
TWO SPEED & STOP CONTROL					
-	TWO SPEED & STOP CONTROL	Code KB	1	1	1
-	TWO SPEED & STOP CONTROL ASSEMBLY Comprising	367-35550	1	1	1
1	SUPPORT BRACKET ASSEMBLY	367-33411	1	1	1
2	HAND LEVER ASSEMBLY	367-33511	1	1	1
3	TORSION SPRING	367-34441	1	1	1
4	LOCATOR	367-34450	1	1	1
5	SPRING PIN	027-05516	1	1	1
6	SPRING WASHER - Treble Coil	027-00699	1	1	1
7	DISTANCE PIECE	367-35240	1	1	1
8	CONNECTING LINK	367-33450	2	2	2
9	SETSCREW - 0.19" UNF x 1/2"	270-00103	4	4	4
10	NUT - 0.19" UNF	270-00001	4	4	4
11	LEVER - External	367-33470	1	1	1
12	DETENT	367-33501	2	2	2
13	NUT - Detent	367-34460	2	2	2
14	SPRING WASHER	027-00717	2	2	2
15	SPRING WASHER	027-00413	2	2	2

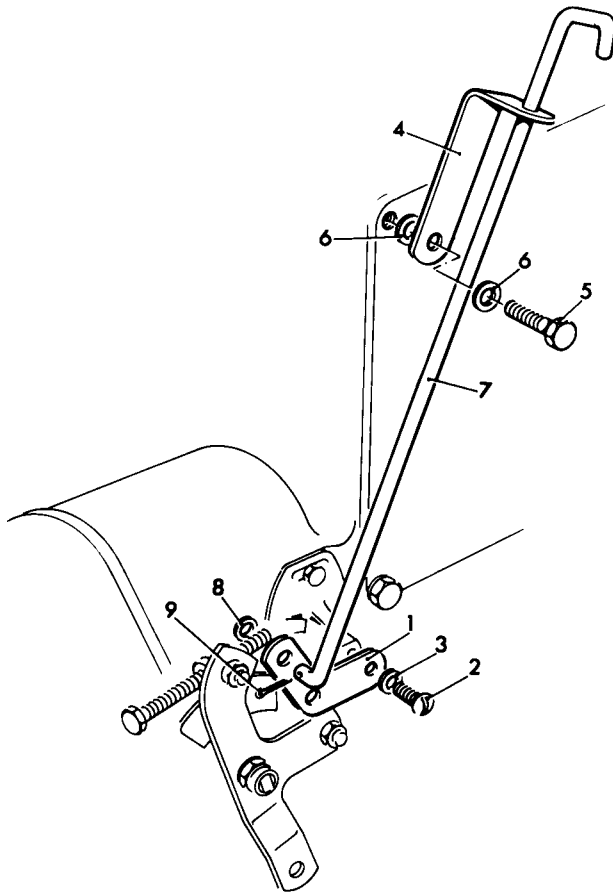


1.02317A

TWO SPEED & STOP CONTROL ©

ST1 CODE KD, ST2 & 3 CODE KF

Illus No.	Description	Part No.	ST		
			1	2	3
EXTENDED STOP CONTROL					
EXTENDED STOP CONTROL					
	- ST1	Code KD	1	-	-
	- ST2 & 3	Code KF	-	1	1
1	LEVER	367-12800	1	1	1
2	SETSCREW - Round Head Brass No. 10 UNF x 3/8"	270-00239	2	2	2
3	WASHER	064-02582/002	2	2	2
4	BRACKET	367-12490	1	1	1
5	BOLT - 1/4" UNF x 1 "	270-00056	1	1	1
6	WASHER	291-26090	2	2	2
7	LEVER	367-10260	1	1	1
8	WASHER	064-02580/004	1	1	1
9	SPLIT PIN	027-01936	1	1	1

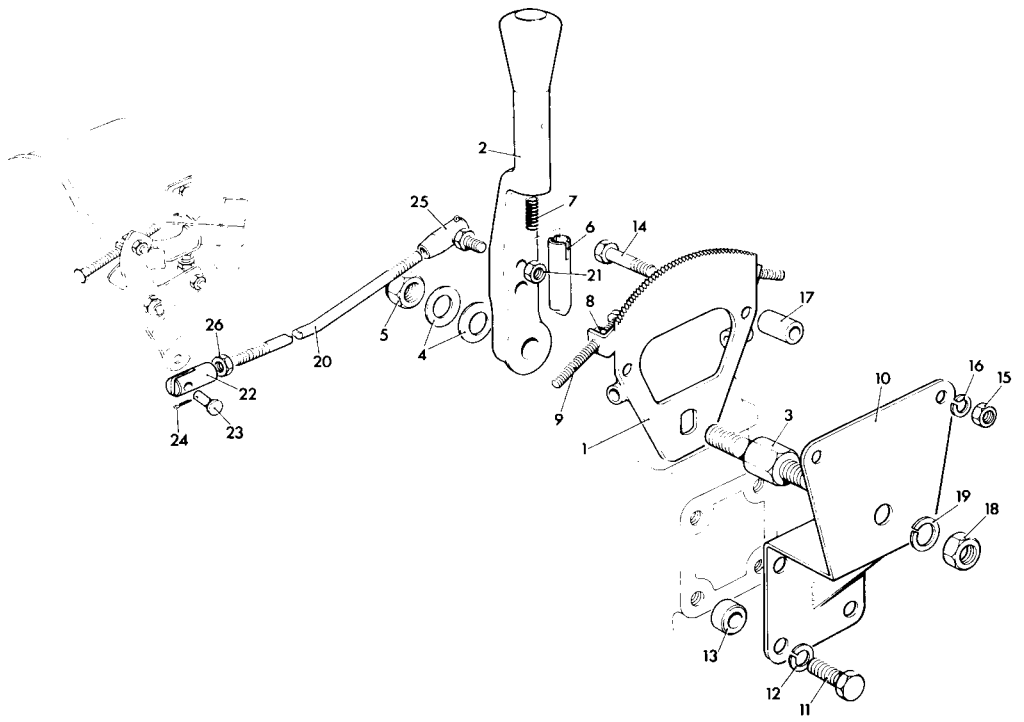


1.02318

EXTENDED STOP CONTROL ©

ST2 & 3 CODE KC

Illus No.	Description	Part No.	ST	
			2	3
VARIABLE SPEED CONTROL - Rod Operated				
-	VARIABLE SPEED CONTROL	Code KC	1	1
-	OPERATING LEVER ASSEMBLY Comprising	572-10361	1	1
1	DETENT PLATE ASSEMBLY	351-15912	1	1
2	LEVER ASSEMBLY	351-15962	1	1
3	PIVOT SHAFT	351-15992	1	1
4	DISC SPRING	351-19530	2	2
5	NUT - Self Locking 1/2" UNF	270-00236	1	1
6	RATCHET	351-16022	1	1
7	SPRING - Ratchet	351-19510	1	1
8	NUT - Stop Screw 1/4" UNF	270-00002	2	2
9	SETSCREW - 1/4" UNF x 2 1/4"	270-00329	2	2
10	BRACKET	366-03396	1	1
11	BOLT - 3/8" UNC x 1 1/8" - Bracket to Fanshroud	270-00485	4	4
12	SPRING WASHER - Bracket to Fanshroud	027-00393	4	4
13	DISTANCE PIECE - Bracket to Fanshroud	390-01040	4	4
14	BOLT - 5/16" UNF x 1 1/2" - Control Lever to Bracket	270-00063	2	2
15	NUT - 5/16" UNF - Control Lever to Bracket	270-00003	2	2
16	SPRING WASHER - Control Lever to Bracket	027-00413	2	2
17	DISTANCE PIECE - Control Lever to Bracket	351-16621	2	2
18	NUT - 1/2" UNF - Control Lever to Bracket	270-00006	1	1
19	SPRING WASHER	027-00394	1	1
20	CONTROL ROD - ST2	366-06030	1	-
	CONTROL ROD - ST3	366-06031	-	1
21	LOCKNUT-Control Rod	064-02577/007	2	2
22	YOKE -Control Rod	366-05681	1	1
23	YOKE PIN	366-04618	1	1
24	SPLIT PIN	027-02255	1	1
25	BALL JOINT	351-16500	1	1
26	NUT	027-00907	1	1
-	SPEED SETTING LABEL	201-82950	1	1

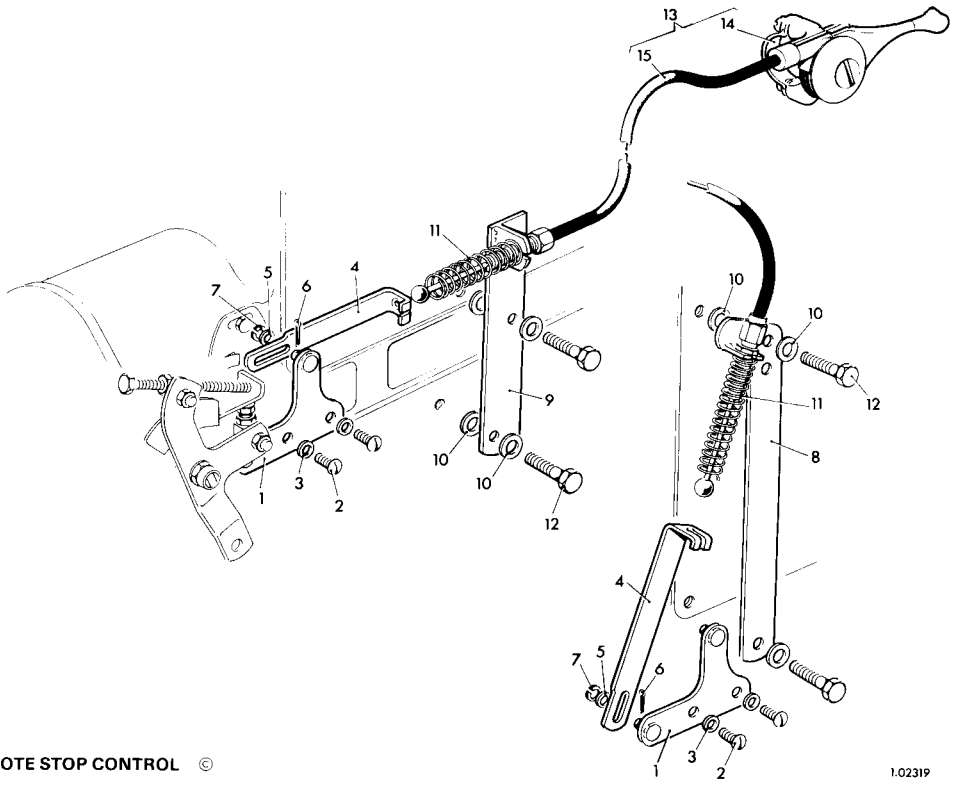


1 02321

VARIABLE SPEED CONTROL - Rod Operated ©

ST1 CODE KC, ST2 & 3 CODE KE

Illus No.	Description	Part No.	ST		
			1	2	3
REMOTE STOP CONTROL					
REMOTE STOP CONTROL					
	- ST1	Code KC	1	-	-
	- ST2 & ST3	Code KE	-	1	1
1	STOPPING LEVER ASSEMBLY	366-01198	1	1	1
2	SETSCREW - Round Head Brass No. 10 UNF x 3/8"	270-00239	2	2	2
3	WASHER	064-02582/002	2	2	2
4	STOPPING LINK	366-00122	1	1	1
5	WASHER - Control Lever Pin	064-02581/002	1	1	1
6	SPLIT PIN	027-01986	1	1	1
7	SPRING WASHER	064-02582/001	1	1	1
HOLDER - Cable Adjuster					
8	- ST1	201-91390	1	-	-
9	- ST2 & 3	366-02038	-	1	1
10	COPPER WASHER	291-26090	10	10	10
11	RETURN SPRING	366-00175	1	1	1
12	BOLT - 1/4" UNF x 1"	270-00056	2	2	2
13	CABLE & LEVER ASSEMBLY Comprising	201-17021	1	1	1
14	CONTROL LEVER	201-17030	1	1	1
15	CABLE & WIRE ASSEMBLY	201-13543	1	1	1



REMOTE STOP CONTROL ©

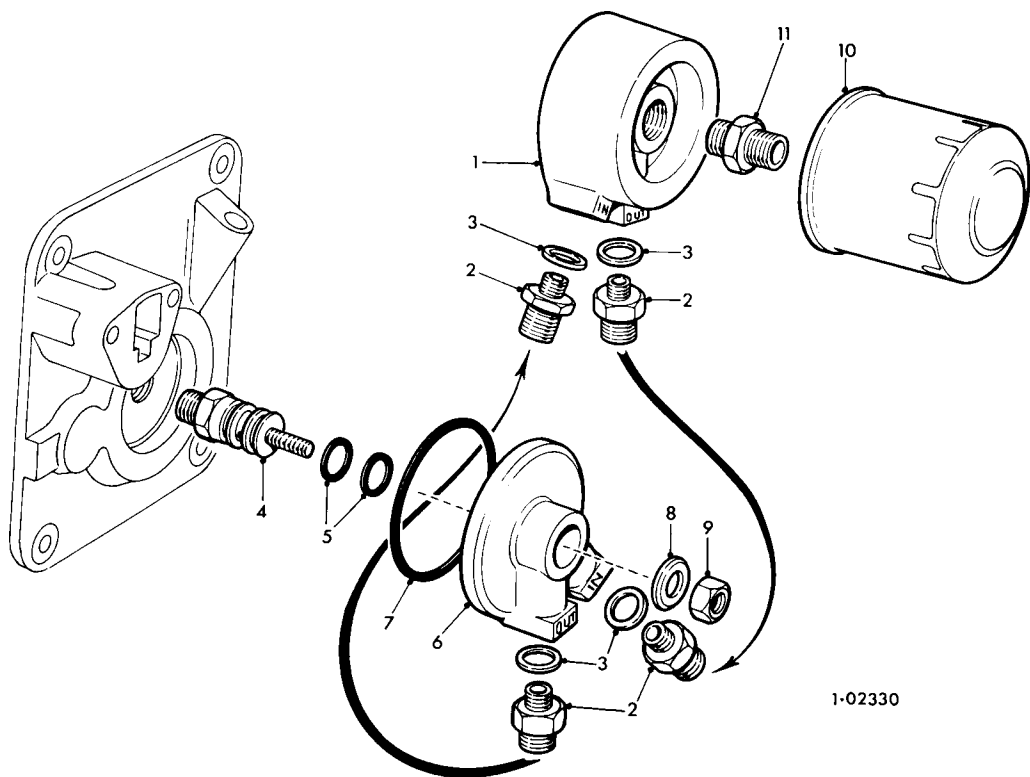
1.02319

ST1, 2 & 3 CODE LA

Illus No.	Description	Part No.	ST		
			1	2	3
REMOTE LUBRICATION OIL FILTER					
	REMOTE LUBRICATION OIL FILTER	Code LA	1	1	1
1	ADAPTOR - Oil Filter	367-34470	1	1	1
2	UNION	352-28760	4	4	4
3	COPPER WASHER	013-22350	4	4	4
4	CENTRE PIN	367-34500	1	1	1
5	'O' RING - Centre Pin	351-10341	2	2	2
6	ADAPTOR - Remote Oil Filter	367-34480	1	1	1
7	'O' RING	354-29620	1	1	1
8	PLAIN WASHER	367-34490	1	1	1
9	NUT - 3/8" UNF	270-00004	1	1	1
10	FILTER	201-55370	1	1	1
11	UNION	201-55360	1	1	1
PIPES not supplied by R.A.L.					

ST2 & 3 CODE LC

Illus No.	Description	Part No.	ST	
			2	3
FLEXIBLE DIPSTICK				
	FLEXIBLE DIPSTICK	Code LC	1	1
-	ADAPTOR	366-02365	1	1
-	'O' RING	352-11840	1	1
-	DIPSTICK TUBE ASSEMBLY Fits between Adaptor & Air Duct.	366-06371	1	1
-	FLEXIBLE DIPSTICK - ST2	366-03003	1	-
-	FLEXIBLE DIPSTICK - ST3	570-15550	-	1

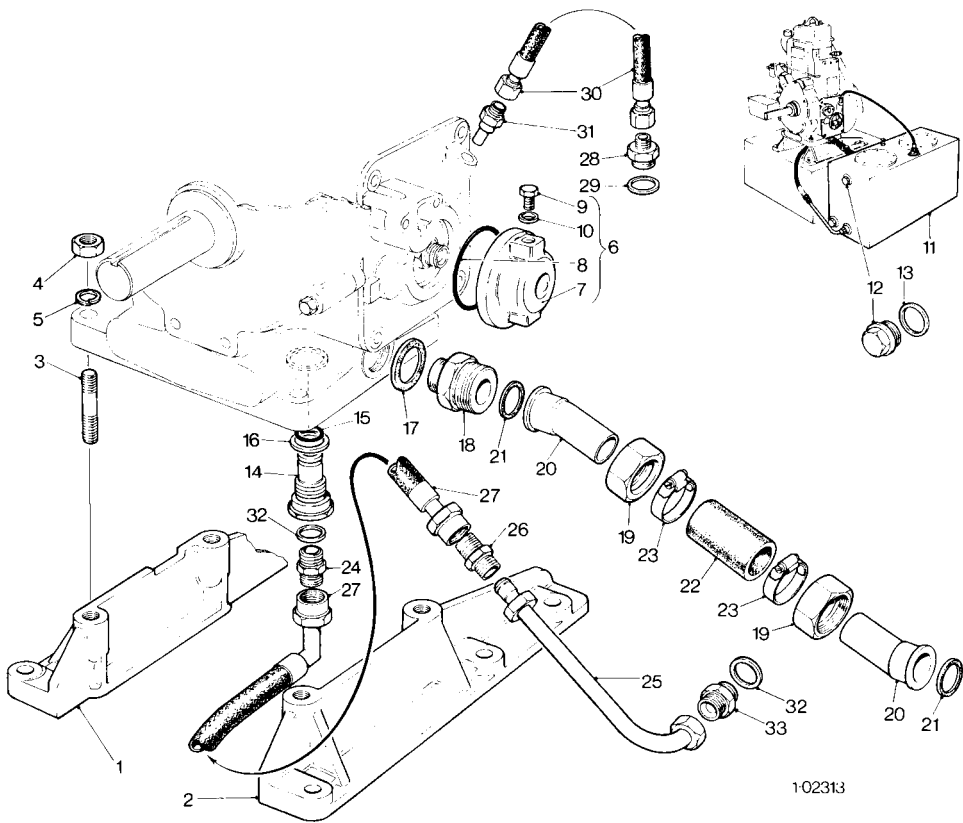


1-02330

REMOTE OIL FILTER ©

ST1 CODE LB & QA

Illus No.	Description	Part No.	ST
GRAVITY RETURN DRY SUMP - ST1			
	DRY SUMP ASSEMBLY	Code LB	1
	WIDE SUPPORT FEET	Code QA	1
SUPPORT FEET			
SUPPORT BRACKET			
1	-Right Hand	201-12810	1
2	-Left Hand	201-12820	1
3	STUD - 1/2" UNF x 2 1/2"	270-00125	4
4	NUT - 1/2" UNF	270-00006	4
5	SPRING WASHER	027-00394	4
ADAPTOR PLATE - Oil Filter Position			
6	BLANKING PLATE ASSEMBLY Comprising	570-14270	1
7	ADAPTOR PLATE	201-82521	1
8	RUBBER RING	354-29620	1
9	BOLT - 5/16" UNF x 1/2"	270-00601	1
10	WASHER	201-11890	1
11	TANK ASSEMBLY - 10 Gall. (45 Litre)	366-04660	1
12	PLUG - Oil Tank 1/2" BSP	007-00407	2
13	JOINT	013-21778	2
14	PLUG	366-06628	1
15	'O' RING	203-24811	1
16	COPPER WASHER	013-21787	1
17	JOINT	003-00306	1
18	UNION - 1" - 1 1/4" BSP	011-13251	1
19	NUT - Union	065-00103	2
20	RETURN PIPE	201-15350	2
21	JOINT	007-00419	2
22	HOSE	201-15390	1
23	HOSE CLIPS	027-04231	2
24	UNION - 1/2" - 1/2" BSP	010-07027	1
25	SUCTION PIPE	366-02546	1
26	UNION - 1/2" - 1/2" BSP-Hose to Suction Pipe	294-33160	1
27	FLEXIBLE PIPE	291-38300	1
28	UNION - Vent Pipe 1/4" - 1/2" BSP	204-24820	1
29	JOINT	013-21778	1
30	VENT PIPE - Flexible	382-02268	1
31	ADAPTOR - Vent Pipe	027-04569	1
32	COPPER WASHER	013-21778	2
33	UNION -1/2" - 1/2" BSP - Suction Pipe to Tank	010-07027	1

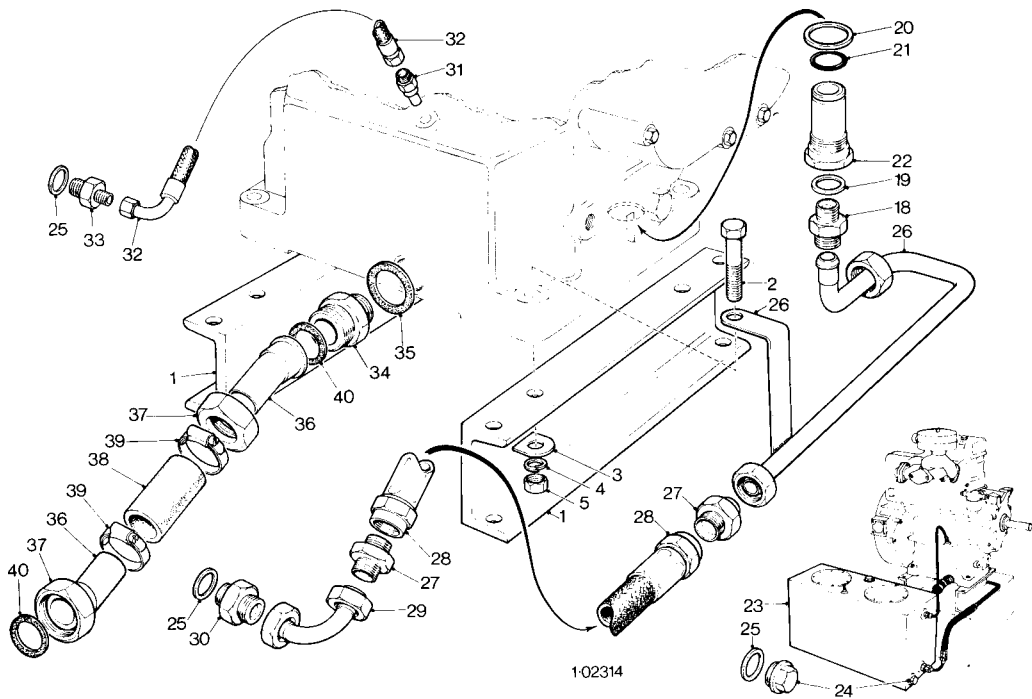


1-02313

GRAVITY RETURN DRY SUMP-ST1 ©

ST2 & 3 CODE LB

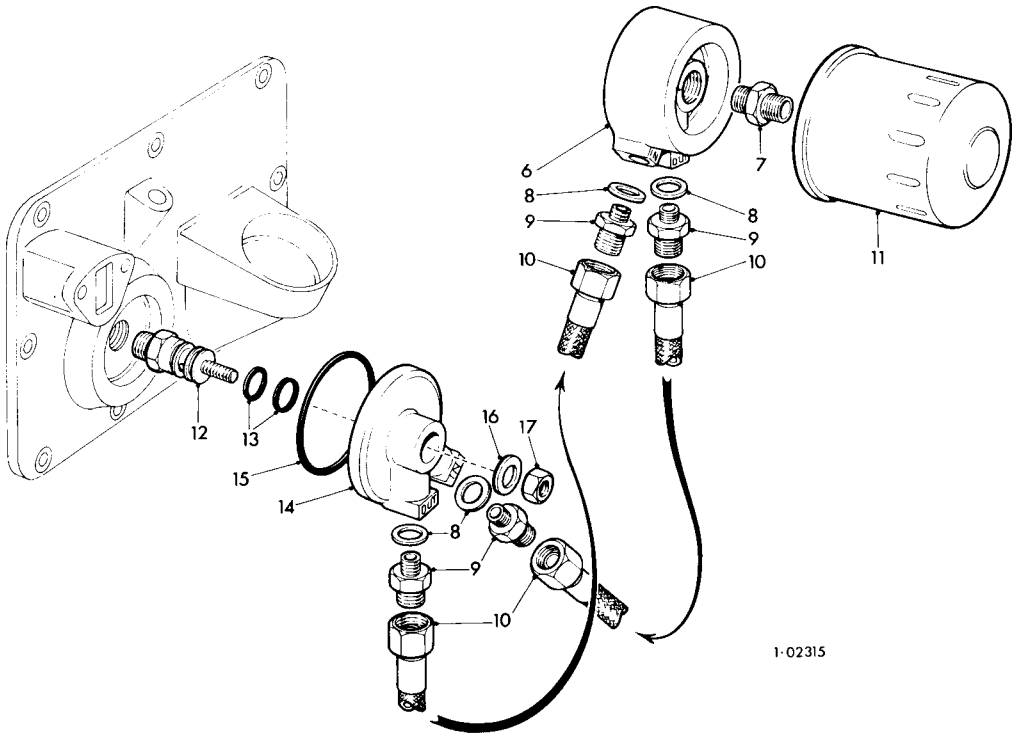
Illus No.	Description	Part No.	ST	
			2	3
GRAVITY RETURN DRY SUMP - ST2 & 3				
	DRY SUMP ASSEMBLY	Code LB	1	1
SUPPORT CHANNEL				
1	ENGINE SUPPORT CHANNEL	366-04871	2	2
2	SETSCREW- 1/2" UNF x 3 1/4"	270-00537	4	4
3	TAPER WASHER	027-01034	4	4
4	SPRING WASHER	027-00394	4	4
5	NUT - 1/2" UNF	270-00006	4	4
VALVE BODY				
18	UNION	010-02085	1	1
19	JOINT	013-21778	1	1
20	JOINT	013-21787	1	1
21	'O' RING	203-24811	1	1
22	PLUG	366-06628	1	1
OIL TANK, PIPES & FITTINGS				
23	OIL TANK COMPLETE 10 Gall (45 Litre)	366-04476	1	1
24	PLUG	007-00407	2	2
25	JOINT	013-21778	4	4
26	SUCTION PIPE ASSEMBLY	366-04867	1	1
27	UNION	294-34170	2	2
28	FLEXIBLE PIPE	364-00210	1	1
29	ELBOW	366-04868	1	1
30	UNION	010-02085	1	1
31	ADAPTOR -Vent Pipe	027-04569	1	1
32	VENT PIPE-Flexible	739-12870	1	1
33	UNION - 1/2" - 1/4" BSP	007-00441	1	1
34	UNION - ST2	011-13251	1	-
-	UNION - ST3	616-02478	-	1
35	JOINT - ST2	003-00306	1	-
-	JOINT - ST3	028-00265	-	1
36	RETURN PIPE	201-15350	2	2
37	UNION NUT	065-00103	2	2
38	HOSE	201-15390	1	1
39	CLIP	027-04231	2	2
40	JOINT	007-00419	2	2



GRAVITY RETURN DRY SUMP - ST2 & 3 ©

ST2 & 3 CODE LB

Illus No.	Description	Part No.	ST	
			2	3
GRAVITY RETURN DRY SUMP (Cont.)				
REMOTE OIL FILTER & ADAPTORS				
6	ADAPTOR - Oil Filter	367-34470	1	1
7	UNION	201-55360	1	1
8	COPPER WASHER	013-22350	4	4
9	UNION	352-28760	4	4
10	FLEXIBLE PIPE - 3/8" BSP x 600 mm	366-06475	2	2
11	CARTRIDGE FILTER	354-33941	1	1
12	CENTRE PIN	367-34500	1	1
13	'O' RING - Centre Pin	351-10341	2	2
14	ADAPTOR - Remote Oil Filter	367-34480	1	1
15	'O' RING	354-29620	1	1
16	PLAIN WASHER	367-34490	1	1
17	NUT - 3/8" UNF	270-00004	1	1



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GRAVITY RETURN DRY SUMP — ST2 & 3 ©

ST1, 2 & 3

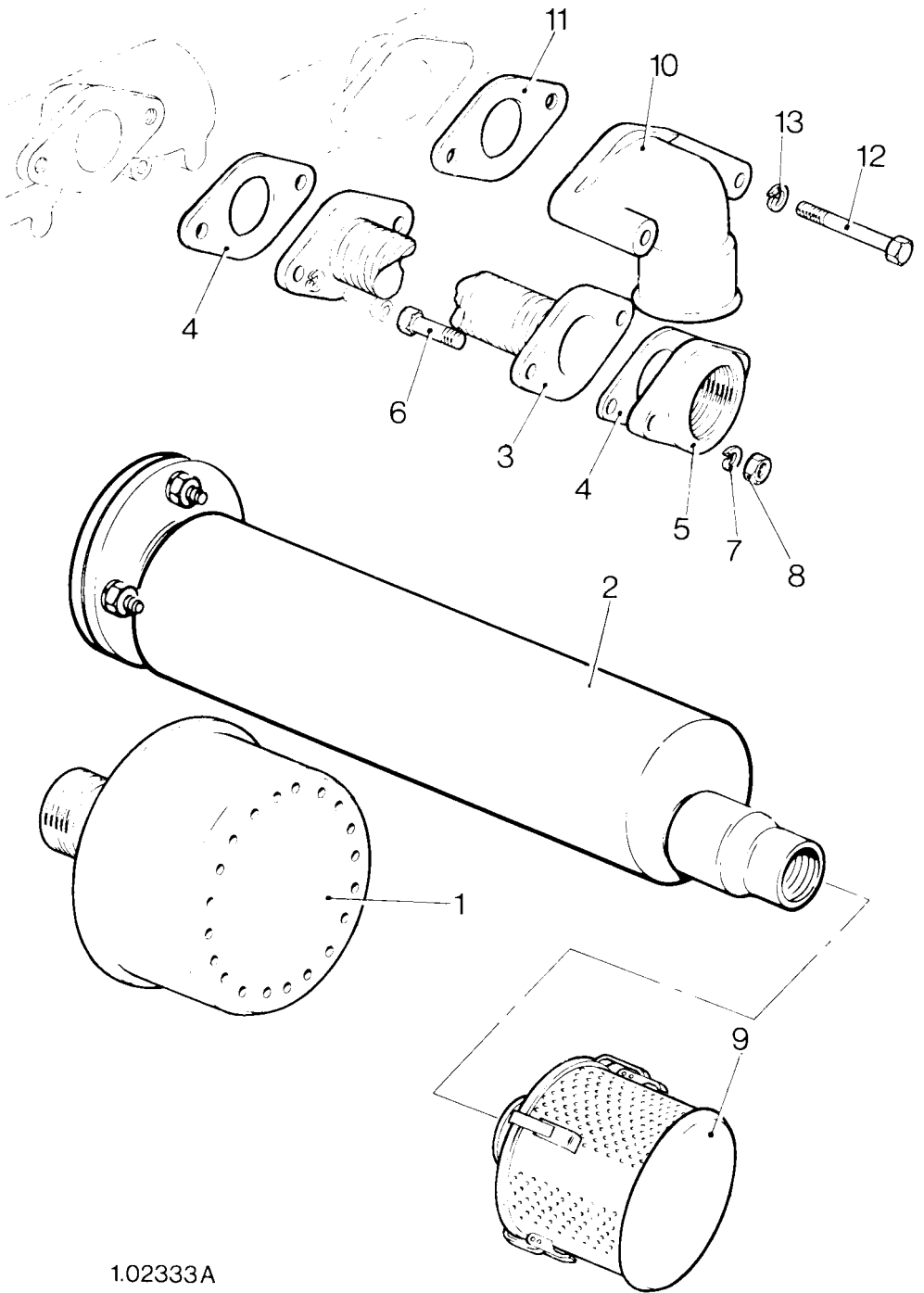
	Description	Part No.
JOINTS LIST		
ENGINE		
ST1 Decarb		657-23501
Overhaul		657-23514
ST2 Decarb		657-23521
Overhaul		657-23533
ST3 Decarb		657-23541
Overhaul		657-23555
SPECIAL TOOLS		
MAIN BEARING - Assembly & Withdrawal		317-00325
OIL SEAL ASSEMBLY - End Cover		317-00082
SPANNER - Flywheel Nut		010-07094
INSERT - Flywheel Spanner		317-00342
EXTRACTOR - Crankshaft Pinion		317-00081
CUTTER - Valve Seat		317-00086
RECESS CUTTER - Inlet Valve Seat		317-00390
RECESS CUTTER - Exhaust Valve Seat		317-00391
SHANK - Cutters		317-00257
TOMMY BAR - Cutters		317-00226
CLEANING KIT - Injector Nozzle		660-10070
WITHDRAWAL DISC - Flywheel		317-00087
BOLTS - Withdrawal Disc (3 off)		270-00274

ST1, 2 & 3 CODE NA, NB, NC, ND, ST2 & 3 CODE NF

Illus No.	Description	Part No.	ST		
			1	2	3
STANDARD EXHAUST SILENCER					
	EXHAUST SILENCER ASSEMBLY	Code NA	1	1	1
HEAVY DUTY EXHAUST SILENCER					
	EXHAUST SILENCER ASSEMBLY	Code NB	1	1	1
FLEXIBLE EXHAUST PIPE					
	EXHAUST PIPE ASSEMBLY	Code NC	1	1	1
SPARK ARRESTOR					
	SPARK ARRESTOR	Code ND	1	1	1
EXHAUST MANIFOLD FLANGE ADAPTOR					
	ADAPTOR ASSEMBLY - ST2 & 3	Code NF	-	1	1

ST1, 2 & 3 CODE NA, NB, NC, ND, ST2 & 3 CODE NF

Illus No.	Description	Part No.	ST		
			1	2	3
EXHAUST SYSTEMS					
STANDARD EXHAUST SILENCER					
1	- ST1 & 2	202-55190	1	1	-
-	- ST3	102-00101	-	-	1
HEAVY DUTY EXHAUST SILENCER					
2	- ST1 & 2	027-06331	1	1	-
-	- ST3	027-06332	-	-	1
FLEXIBLE EXHAUST PIPE					
-	- ST1	366-06161	1	-	-
3	- ST2 & 3	366-06158	-	1	1
-	EXHAUST CONNECTION	366-00451	1	-	-
-	JOINT	366-00453	1	-	-
-	BOLT - 5/16" UNF x 1 3/8"	270-00062	2	-	-
-	NUT - 5/16" UNF	270-00003	2	-	-
-	SPRING WASHER	027-00413	2	-	-
4	FLANGE JOINT	366-01287	-	2	2
5	MATING FLANGE - ST2	202-81660	-	2	-
-	MATING FLANGE - ST3	010-21801	-	-	2
6	BOLT - 3/8" UNF x 1 1/2 - Flexible Pipe to Mating Flange	270-00075	-	4	4
7	SPRING WASHER - Flexible Pipe to Mating Flange	027-00393	-	4	4
8	NUT - 3/8" UNF - Flexible Pipe to Mating Flange	270-00004	-	4	4
-	SETSCREW - 3/8" UNF x 1" - Flexible Pipe to Mounting Flange	270-00073	-	-	2
-	SPRING WASHER - Flexible Pipe to Mounting Flange	027-00393	-	-	2
9	SPARK ARRESTOR - ST1 & 2	027-05645	1	1	-
-	SPARK ARRESTOR - ST3	027-05646	-	-	1
-	ADAPTOR - Exhaust Outlet - ST2	202-82600	-	1	-
10	ADAPTOR - ST3	203-82600	-	-	1
11	JOINT - Manifold Adaptor	366-01287	-	1	1
12	BOLT - 3/8" UNF x 3"	270-00149	-	-	2
-	BOLT - 3/8" x 2 1/4"	270-00187	-	2	-
13	SPRING WASHER	027-00393	-	2	2

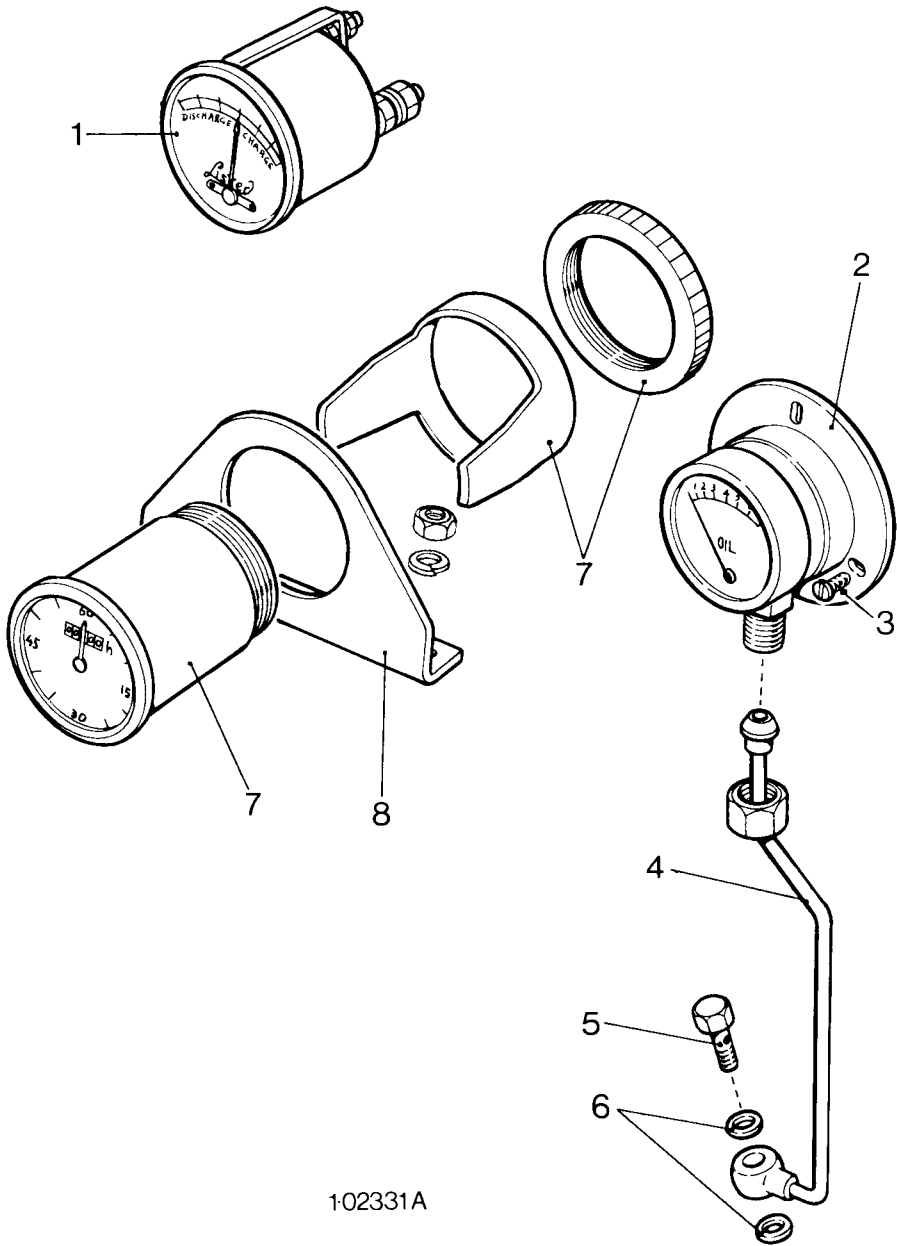


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EXHAUST SYSTEMS ©

ST1 CODE PA, PB & PD, ST2 & 3 CODE PA, PB, PC, & PE

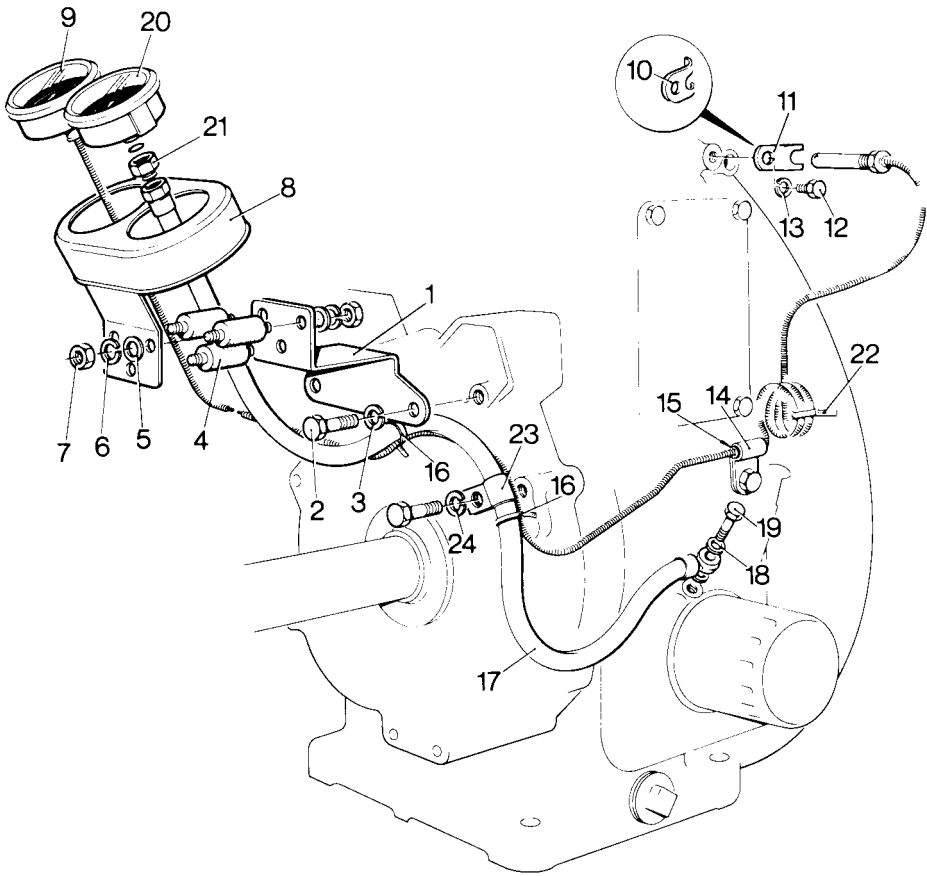
Illus No.	Description	Part No.	ST		
			1	2	3
INSTRUMENTS					
-	AMMETER - 12V	Code PA	1	1	1
1	OIL PRESSURE GAUGE ASSEMBLY				
	- ST1	Code PB	1	-	-
	- ST2 & 3	Code PC	-	1	1
-	HOURLMETER - Vibration Type				
	- ST1	Code PD	1	-	-
	- ST2 & 3	Code PE	-	1	1
2	GAUGE	351-15160	1	1	1
3	SCREWS - Self Tapping	291-37460	3	3	3
-	PIPE - Filter to Gauge - ST1	366-06742	1	-	-
4	PIPE - Filter to Gauge - ST2	366-05346	-	1	-
-	PIPE - Filter to Gauge - ST3	366-05349	-	-	1
5	SCREW - Swivel Union	201-17270	1	1	1
6	COPPER JOINT	291-26090	2	2	2
HOURLMETER					
7	HOURLMETER	636-21651	1	1	1
8	BRACKET	366-06646	1	1	1



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ST1 CODE PC, ST2 & 3 CODE PD

Illus No.	Description	Part No.	1	2	3
TWIN GAUGE PANEL ASSEMBLY					
TWIN GAUGE PANEL ASSEMBLY					
	- ST1	Code PC	1	-	-
	- ST2 & 3	Code PD	-	1	1
1	MOUNTING BRACKET	366-06823	1	1	1
2	BOLT - 5/16" UNF x 2 1/2"	270-00067	2	2	2
3	SPRING WASHER	027-00413	2	2	2
4	FLEXIBLE MOUNTING	064-07640	3	3	3
5	PLAIN WASHER	064-06612/005	6	6	6
6	SPRING WASHER	064-02582/002	6	6	6
7	NUT	064-06611/003	6	6	6
8	GAUGE PANEL ASSEMBLY	382-07070	1	1	1
9	AIR TEMPERATURE GAUGE	370-12992	1	1	1
10	CLIP - Gauge Probe	382-00066	1	1	1
11	CLIP - Gauge	382-04847	1	1	1
12	BOLT - 1/4" UNF x 1/2"	270-00054	1	1	1
13	SPRING WASHER	027-00451	1	1	1
14	CAPILLARY CLIP	351-19920	2	2	2
15	FELT	201-17170	2	2	2
16	CABLE TIE	382-05031	3	3	3
17	PIPE ASSEMBLY - Oil Pressure Gauge	366-06663	1	1	1
18	COPPER WASHER	291-26090	2	2	2
19	SWIVEL UNION PLUG	201-17270	1	1	1
20	OIL PRESSURE GAUGE	370-12970	1	1	1
21	ADAPTOR - Oil Pressure Gauge	291-37920	1	1	1
22	CABLE TIE		1	1	1
23	PIPE CLIP	691-00202	1	1	1
24	SPRING WASHER	027-00413	1	1	1

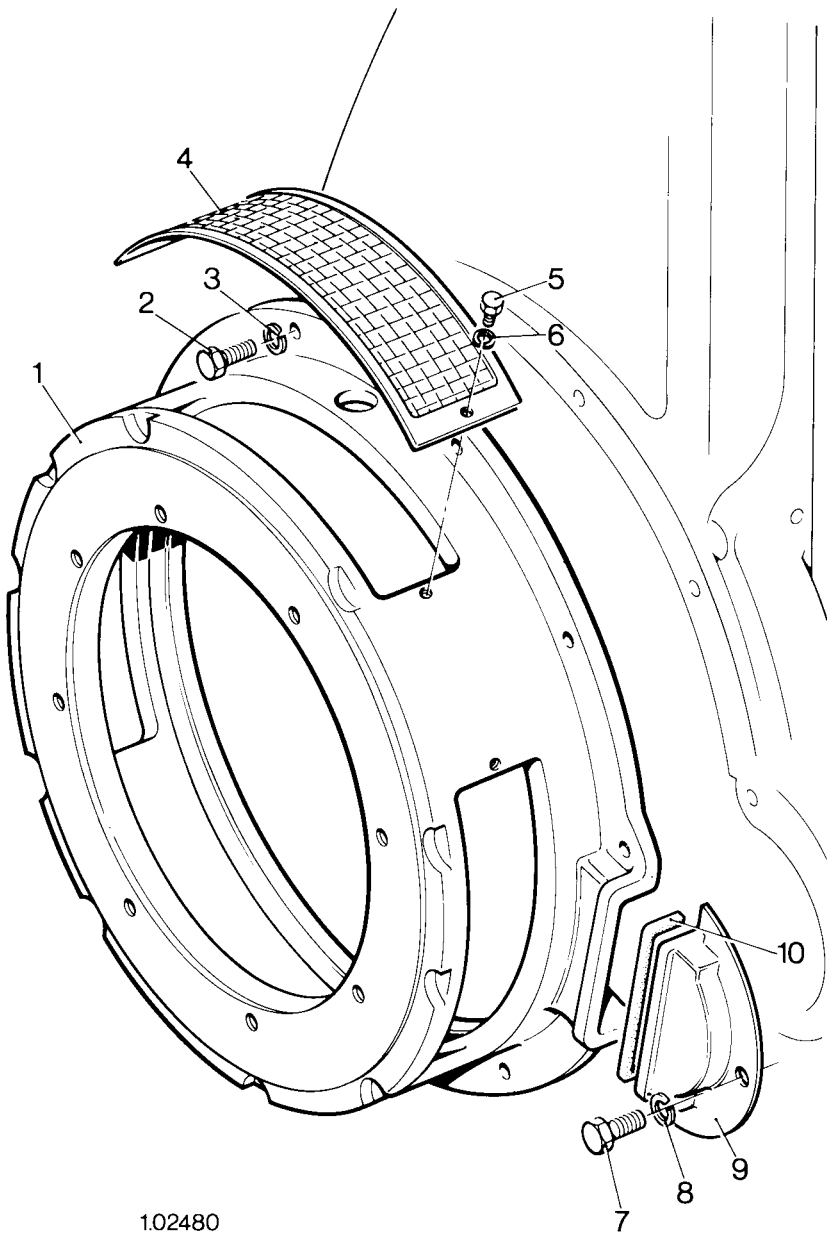


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TWIN GAUGE PANEL & GAUGES ©

ST1 - AMERICAN MARKET ONLY

Illus No.	Description	Part No.	ST 1
SAE 6 ADAPTOR			
1	SAE 6 ADAPTOR	201-14941	1
2	BOLT - 5/16" UNF x 1"	270-00061	10
3	SPRING WASHER	027-00413	10
4	GUARD ADAPTOR	201-14070	3
5	BOLT - 1 /4" UNF x 1/2"	270-00054	6
6	SPRING WASHER	027-00451	6
7	BOLT - 3/8" UNF x 1"	270-00073	3
8	SPRING WASHER	027-00393	3
9	SEALING COVER ASSEMBLY Comprising	570-15910	1
10	SEALING FELT	201-82940	1



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SAE6 ADAPTOR – American Market Only ©



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Genuine Lister Parts

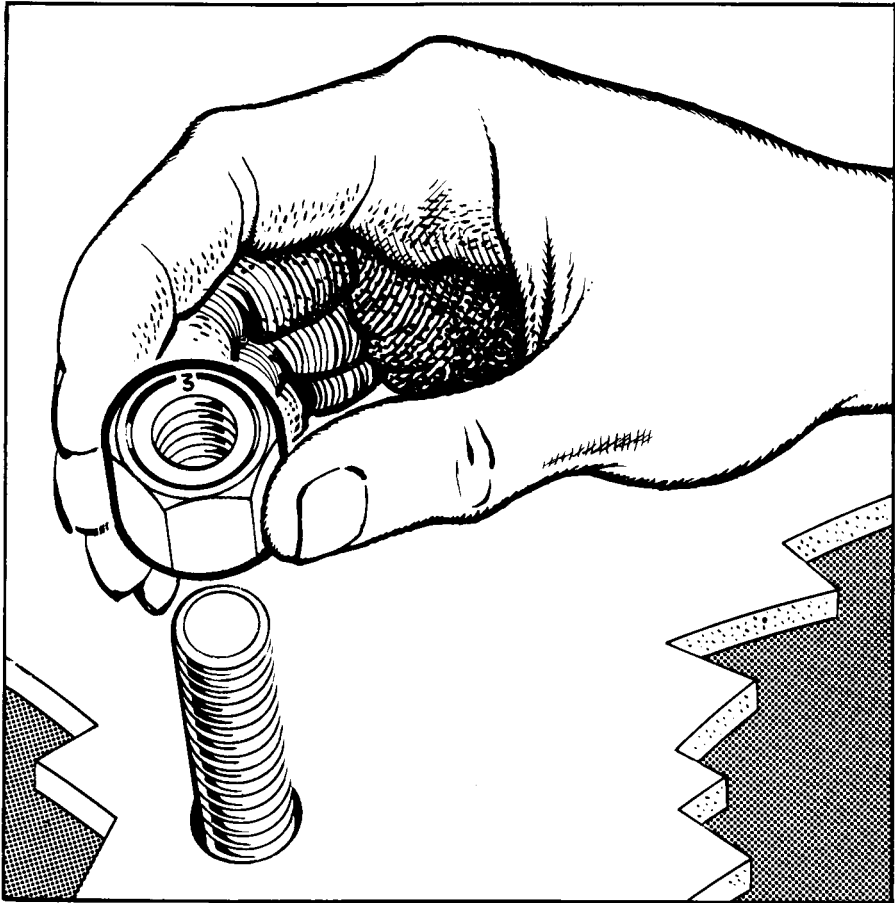
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GENUINE LISTER PARTS

WARNING



Whenever a unified nut is identified on one face by marking of the metal surface, the frictional area of that surface will be reduced. The nut should be fitted with the unmarked surface towards the component face.

