

HIGHWAY 213

LIST OF PARTS / ONDERELENJIST
LISTE DE PIECES / ERSATZTEILLISTE
LISTA DE PIEZAS / RESERVDIELSLISTA
RESERVDIELISTE / LISTA DEI COMPONENTI

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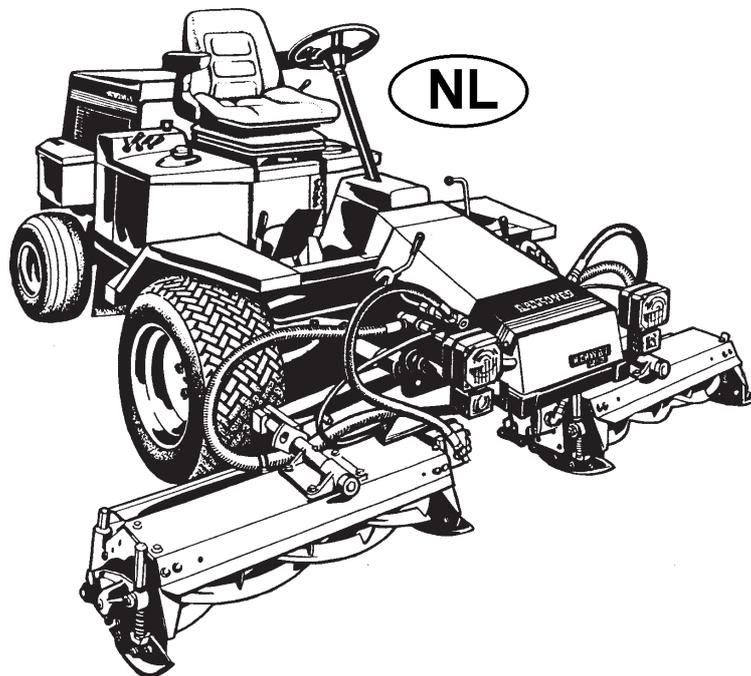
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SERIES:VL & VK



TEXTRON
PARTS X PRESS
TURF CARE AND SPECIALTY PRODUCTS

Ransomes Way, Ipswich, England, IP3 9QG

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RANSOMES

TEXTRON
TURF CARE AND SPECIALTY PRODUCTS



INTRODUCTION

ITEM NUMBER

Each part which is identified in the illustrations has an item number. Parts which do not have an item number may not be readily identified in the illustration but are usually closely associated with the immediately adjacent part.

ASSEMBLIES

A complete assembly, e.g. a wheel motor or hydraulic motor or roll assembly, is listed as a complete item with subsequent individual components listed separately.

The assembly is listed under its part number with component parts being listed offset to the right, e.g.:-

ITEM	RANSOMES PART NO.	DESCRIPTION	QTY
1	LMSD798	Roll Assy.	1
2	MBB4490	• Tube	1
3	LMSD926	• End Cap Assy.	2
4	MBB6851	•• End Cap	1
5	H009116	•• Bearing	1
6	MBB2356	• Seal Housing	1
7	A224016	• Seal	2
*	A122192	Screw	2

It may not be possible to illustrate every item. With certain items purchased from outside suppliers some component parts may not be available from Ransomes and may need to be specially ordered from the supplier e.g. Volvo hydraulic motor components.

QUANTITIES

Quantities shown are for one assembly or sub-assembly.

USING THE PARTS LIST

Determine the function and application of the part required. Turn to the main index page and select the appropriate section. Locate the part on the illustration and parts list and read off the quantity from the appropriate MODEL column.

NUMERICAL INDEX

This is a summary of all part numbers used in the manual arranged in numerical sequence and showing the page and item number under which the parts appear.

ORDERING OF SPARE PARTS

When ordering replacement parts, it is most important to quote the SERIAL NUMBER of the machine, PART NUMBER, DESCRIPTION and QUANTITY required.



INTRODUCTIE

ILLUSTRATIE-NUMMER

Ieder onderdeel dat in de illustratie wordt weergegeven, is voorzien van een illustratie-nummer. Het is mogelijk dat onderdelen zonder een dergelijk illustratie-nummer, niet onmiddellijk in de illustratie kunnen worden gevonden. Deze behoren echter, over het algemeen, bij het onmiddellijk daarnaast geplaatste onderdeel.

SYSTEMEN

Een compleet systeem, zoals bijvoorbeeld een wiel, een motor, een hydraulische motor of rol, wordt als een compleet illustratie-nummer vermeld. De afzonderlijke componenten worden apart vermeld. Het systeem wordt ook vermeld onder het onderdeelnummer, terwijl onderdelen, iets inspringend naar rechts, zijn vermeld. Bijvoorbeeld:-

ILLUSTRATIE NUMMER	RANSOMES ONDERDEELNR.	BESCHRIJVING	AANT.
1	LMSD798	Rol - compleet	1
2	MBB4490	• Buis	1
3	LMSD926	• Eindkap - compleet	2
4	MBB6851	•• Eindkap	1
5	H009116	•• Lager	1
6	MBB2356	• Keerringhuis	1
7	A224016	• Keerring	2
*	A122192	Schroef	2

Het is vaak niet mogelijk om ieder onderdeel te illustreren. Daar bepaalde onderdelen door buitenleveranciers worden toegeleverd, is het mogelijk dat bepaalde onderdelen niet door Ransomes kunnen worden geleverd. Die moeten dan speciaal bij de leverancier worden besteld. Hierbij gaat het bijvoorbeeld om onderdelen van de hydraulische Volvo motor.

AANTALLEN

De vermelde aantallen zijn voor één systeem of sub-systeem.

HET GEBRUIKEN VAN DE ONDERDELENLIJST

Eerst de functie en toepassing van het betreffende onderdeel vaststellen. Vervolgens de pagina met de hoofdindex opslaan en juiste sectie kiezen. Het onderdeel in de illustratie en de onderdelenlijst opzoeken en de hoeveelheid aflezen in de kolom met de titel 'MODEL'.

NUMERIEKE INDEX

Deze index is een samenvatting van alle onderdeelnummers die worden gebruikt in het handboek. Deze onderdeelnummers zijn in numerieke volgorde geplaatst, inclusief het pagina- en illustratie-nummer, waaronder de onderdelen verschijnen.

BESTELLEN VAN VERVANGINGSONDERDELEN

Als vervangingsonderdelen worden besteld, is het uiterst belangrijk dat het SERIENUMMER van de machine, het ONDERDEELNUMMER, de BESCHRIJVING en het VEREISTE AANTAL worden vermeld.



INTRODUCTION

NUMERO D'ARTICLE

Chaque pièce, qui est identifiée sur les illustrations, est accompagnée d'un numéro d'article. Il peut s'avérer difficile d'identifier les pièces ne possédant pas de numéro d'article, mais celles-ci sont généralement étroitement associées à la pièce immédiatement adjacente.

ENSEMBLES

Un ensemble complet, par exemple: un ensemble de moteur de roue, de moteur hydraulique ou de rouleau, est listé en tant qu'article complet et les composants individuels subséquents sont listés séparément. L'ensemble est listé sous son numéro de pièce et les composants sont décalés vers la droite sur la liste, par exemple:

ARTICLE	NO.DE PIECE RANSOMES	DESCRIPTION	QTE
1	LMSD798	Ensemble de rouleau	1
2	MBB1190	• Tube	1
3	LMSD926	• Ensemble de bouchon	2
4	MBB6891	•• Bouchon	1
5	HOO9116	•• Roulement	1
6	MBB2356	• Logement de joint	1
7	A224016	• Joint	2
8	A123103	Vis	2

Il se peut que l'illustration de tous les articles ne soit pas possible. Pour certains articles achetés à des fournisseurs externes, il se peut que certains composants ne soient pas disponibles chez Ransomes et que ceux-ci soient commandés spécialement auprès du fournisseur, par exemple: composants de moteur hydraulique Volvo.

QUANTITES

Les quantités indiquées s'appliquent à un ensemble ou sous-ensemble.

UTILISATION DE LA LISTE DE PIECES

Déterminer la fonction et l'application de la pièce requise. Passer à la page d'index principal et sélectionner la section appropriée. Situer la pièce sur l'illustration et la liste de pièces, puis lire la quantité dans la colonne MODELE appropriée.

INDEX NUMERIQUE

Il s'agit d'un récapitulatif de tous les numéros de pièce utilisés dans le manuel, classés en séquence numérique, et indiquant la page et le numéro d'article sous lesquels les pièces apparaissent.

COMMANDE DES PIECES DE RECHANGE

Lors de la commande des pièces de rechange, il est essentiel de stipuler le NUMERO DE SERIE de la machine, le NUMERO DE PIECE, la DESCRIPTION et la QUANTITE requise.



SPECIFICATIONS

ENGINE SPECIFICATION

TYPE:	Kubota 20.9KW (28HP) @ 3000 RPM. 3 cylinder (in line) vertical Diesel engine, 4 stroke, water cooled, 1123cc (68.58 cu.in) with 12V electric start.
Model:	D1105 - B
Maximum Speed:	2950 ± 50 RPM (No load)
Idle Speed:	1350 ± 0 RPM
Oil Sump Capacity:	3.1litres (5.5 Imp.pints) (6.6 US pints)
Firing Order:	1, 2, 3,
Fuel:	No. 2-D Diesel fuel (ASTM D975)

MACHINE SPECIFICATION

Speeds:	
Cutting:	0 - 12.5km/h (0 - 7.5 mph) FORWARD 0 - 6km/h (0 - 3.7 mph) REVERSE
Transport:	0 - 25km/h (0 - 15mph) FORWARD
TYRES:	Front - 23 x 10.50 - 12 6 ply rating Multitrac CS Tread. Rear - 18 x 8.50 - 8 Dico ST Sport Trax
Pressures:	All tyres 1.0 kg/cm ² (14p.s.i.)
Brakes:	Hydrostatic braking with failsafe multi disc/parking brakes, on front wheels.
Cooling System Capacity:	5 litres (8 imp. pints) (10.5 US pints).
Fuel Tank Capacity:	32 litres (7 imp galls) 8.4 US galls.
Hydraulic Tank Capacity:	27 litres (6 imp galls) 7.2 US galls.

DIMENSIONS

Width of cut:	2.13 metres (84in)
Overall width: (cutting)	2.31 metres (91in)
Overall width: (transport)	1.52 metres (60in)
Overall height:	1.27 metres (50in)
Overall length:	2.70 metres (106in)
Uncut turning circle:	0.66 metres (27in)
Wheelbase:	1.46 metres (58in)
Width over rear wheels:	1.14 metres (45in)
Width over front wheels:	1.52 metres (60in)
Overall weight of machine: with Sportcutter 4-knife fixed units	1076 kg (2372 lb)



NOISE EMISSION

Conforms to the specification of Directive
EEC 79/113, 84/558, 87/252, 88/180, 88/181

Sound Power Level: 101dB(A) LWA
(Bystander)
Sound Pressure Level: 87dB(A) LpA (Operator
Ear Level)

VIBRATION LEVEL

The machine was tested for whole body and hand/
arm vibration levels. The operator was seated in the
normal operating position with both hands on the
steering mechanism. The engine was running and
the cutting device was rotating with the machine
stationary.

Hand / Arm acceleration level : 0.75 m/s²

Whole body acceleration level

X axis : 0.021 m/s²

Y axis : 0.011 m/s²

Z axis : 0.076 m/s²

RECOMMENDED LUBRICANTS

Engine oil: Should be to MIL-L-2104B/MIL-L-
2104C or to A.P.I. Classification CC/
CD/CE grades and as given in the
table below:

Temperature	Oil Viscosity
ABOVE 25°C (77°F)	SAE 30
0°C to 25°C (32°F to 77°F)	SAE 20
BELOW 0°C (32°F)	SAE 10W or SAE 10W-30

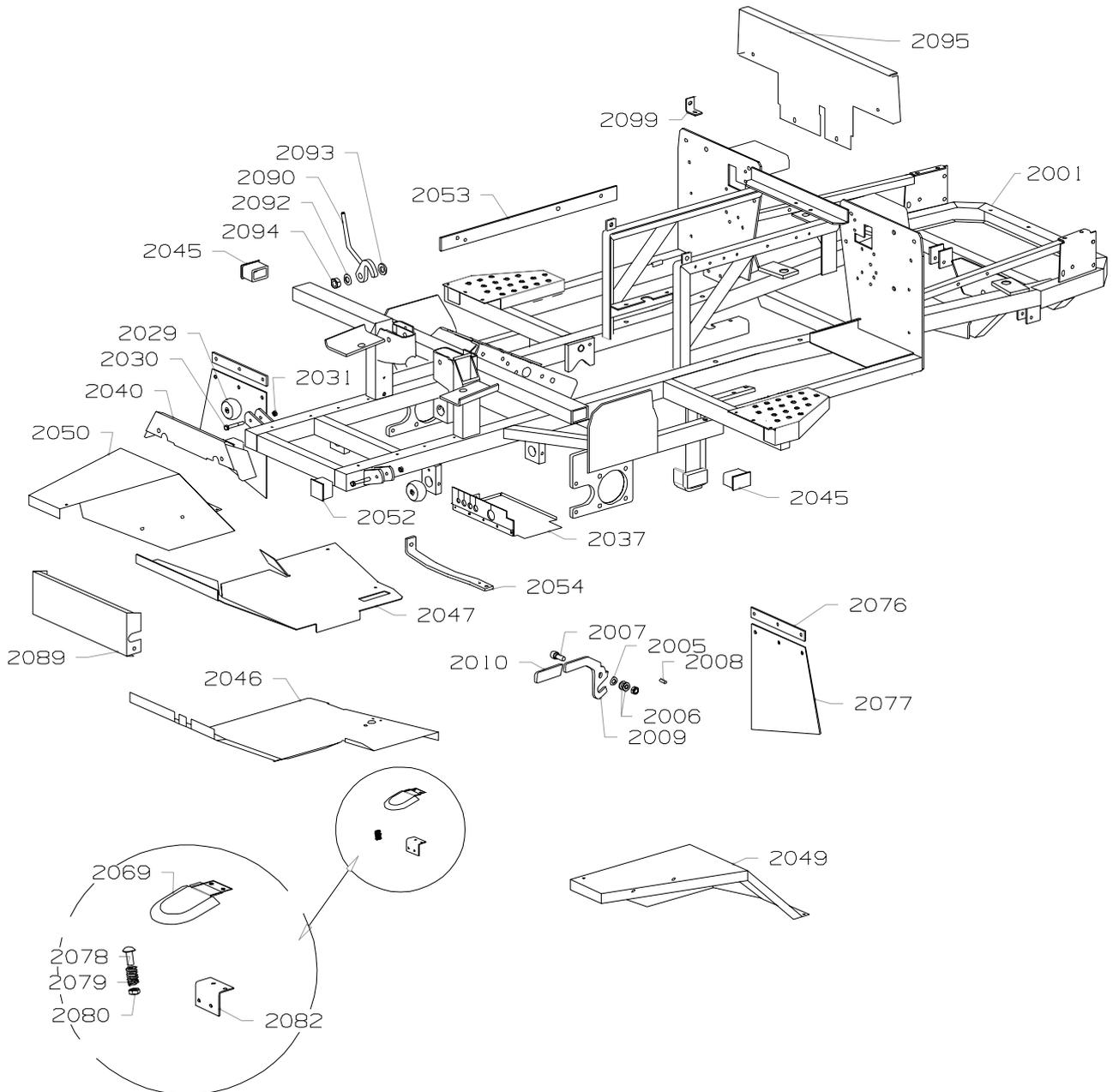
Hydraulic Oil: To ISO.VG.46. Shell Tellus 46
or equivalent.

Grease: Darina R-2

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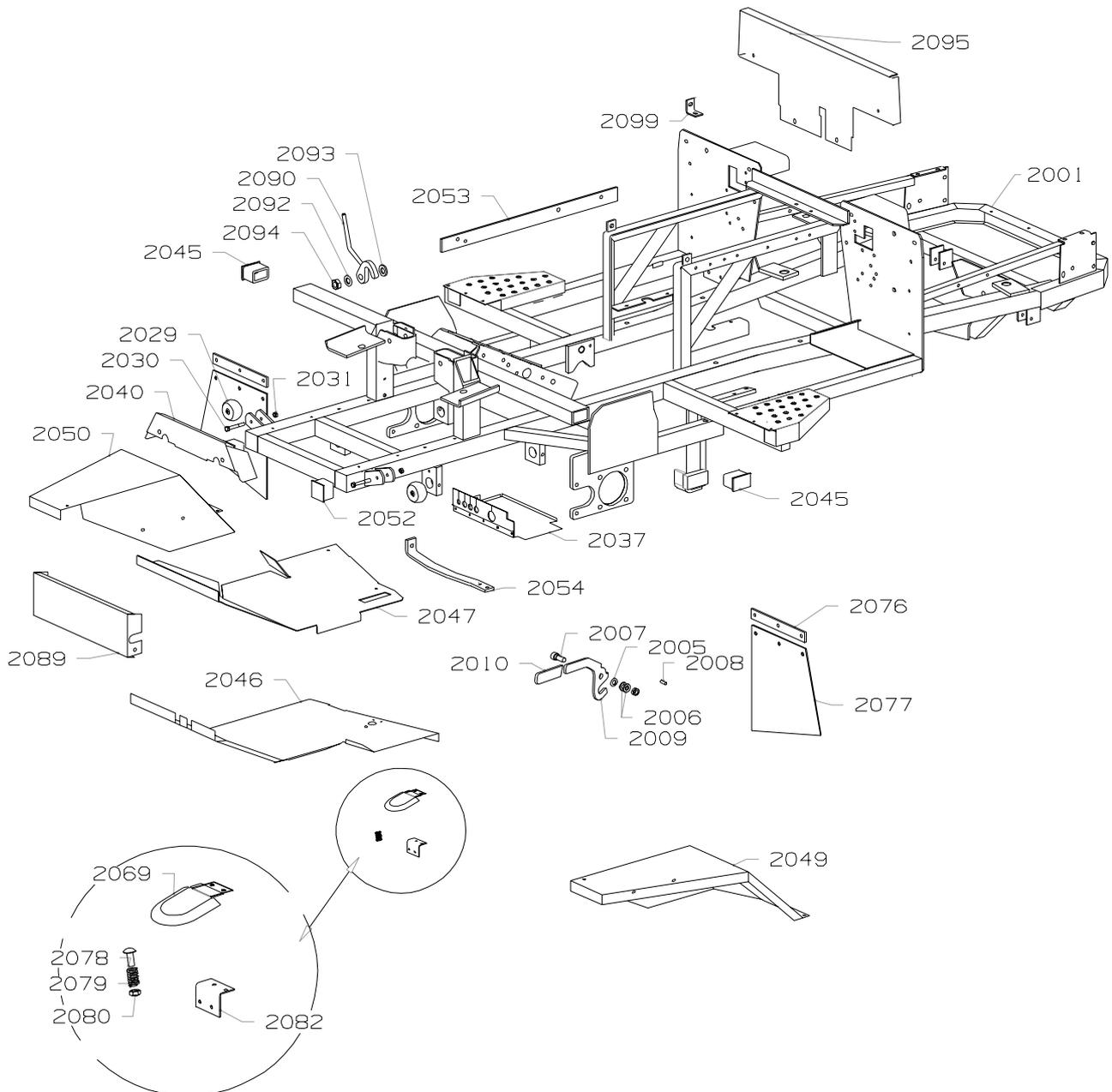
MAIN FRAME

LIST OF PARTS

ITEM	RANSOMES PART NO	DESCRIPTION GB	QTY	REMARKS
2001	MBE2800A	MAIN FRAME.	1	
2004*	A149604	RIVET 4.8 x 12.7	A/R	
2005	H083031	DISC SPRING	1	
2006	450392	WASHER M12	A/R	
2007	MBB7837	STUD	1	
2008	451488	SPIROL PIN 8 x 20	A/R	
2009	MBB7823	LEVER	1	
2010	A914200	SLEEVE	1	
2011*	031955344	LOCTITE, GD.635	AR	
2012*	031955289	LOCQUIC PRIMER GRADE 'T'	AR	
2014*	450004	BOLT M6 x 45	A/R	
2015*	450389	WASHER M6	A/R	
2016*	GSF2155AA	TAPER WASHER	1	
2017*	450323	NUT M6	A/R	
2019*	H060104	BEADING 38cm	1	
2021*	450553	SCREW M8 x 25, PAN HD	A/R	
2022*	450390	WASHER M8	A/R	
2023*	A119028	SCREW	A/R	
2024*	450389	WASHER M6	A/R	
2025*	A149604	RIVET 4.8 x 12.7	A/R	
2026*	A119028	SCREW, M6 x 20	A/R	
2029	A904247	ROLLER	2	
2030	450019	BOLT, M8 x 55 , HEX HD	A/R	
2031	450378	NUT M8 NYLOC	A/R	
2032*	450388	WASHER M5	A/R	
2033*	450542	SCREW M6 x 20 PAN HD	A/R	
2034*	450410	S.L.WASHER M6	A/R	
2035*	450389	WASHER M6	A/R	
2036*	450323	NUT M6	A/Rr	
2037	MBB8412	PLATE ASSY	1	
2038*	450191	SCREW M8 x 20 HEX HD	A/R	
2039*	450324	NUT M8	A/R	
2040	MBC7746A	PANEL CENTRE	1	
2041*	450192	SCREW M8 x 25, HEX HD	A/R	
2042*	450369	NUTSERT M8 A-L 1ST GRIP	4	
2043*	450390	WASHER M8	0	
2044*	450411	S.L.WASHER 8mm	A/R	
2045	A295256	PLASTIC PLUG	2	
2046	MBG1431B	FOOTPLATE LH	1	
2047	MBG0215B	FOOTPLATE RH	1	
2048*	452692	SCREW M6 x 12	A/R	
2049	MBG1818	MUDGUARD LH	1	
2050	MBG1819	MUDGUARD RH	1	
2051*	A914822	SOUND DEADENING PAD	4	
2052	A295263	END CAP	2	

* Not Illustrated

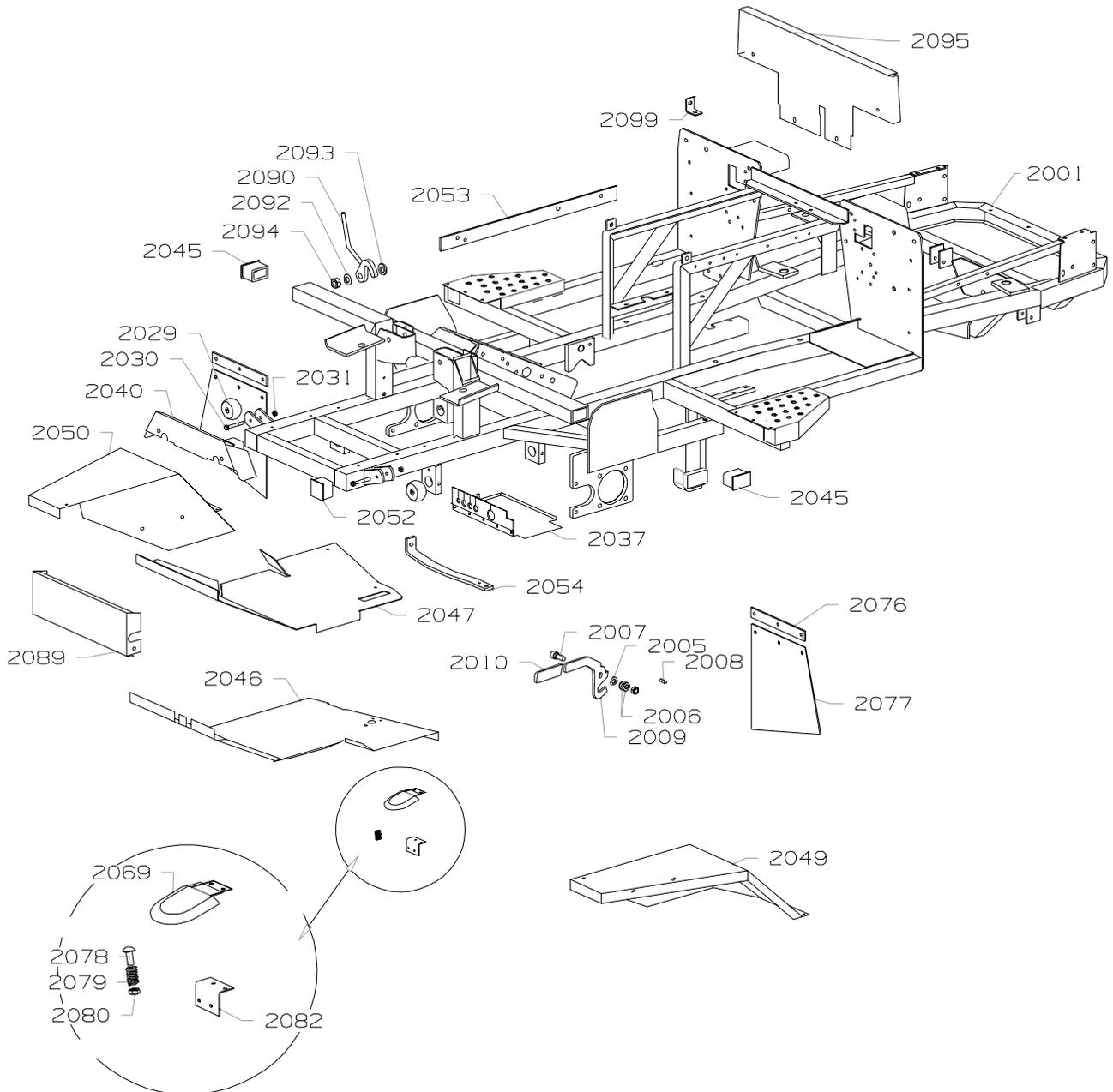
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ITEM	RANSOMES PART NO	DESCRIPTION GB	QTY	REMARKS
2053	MBC8161	STRENGTHENING BAR	1	FOR FOOTPLATES
2054	MBC8162A	STOP BAR	1	
2055*	450215	SCREW M10 x 30 HEX HD	A/R	
2056*	450214	S.L.WASHER M10	A/R	
2057*	450325	NUT M10	A/R	
2058*	A298904	SAFETY WALK STRIP	5	
2059*	450192	SCREW M8 x 25 HEX HD	A/R	
2060*	450411	S.L.WASHER M8	A/R	
2061*	450324	NUT M8	A/R	
2062*	450390	WASHER M8	A/R	
2063*	452701	SCREW M8 x 16	A/R	
2064*	MBC0351	CLAMP	1	
2065*	MBC6118C	BATTERY TRAY ASSY.	1	
2066*	450190	SCREW M8 x 16 HEX HD	A/R	
2067*	450390	WASHER M8	A/R	
2068*	450634	SCREW M8 x 25 CSK HD	A/R	
2069	MBE3313C	PAD W/ASSY.	1	
2070*	450608	SCREW M5 x 20 (for 2069 to 2046)	2	
2071*	450409	S.L.WASHER M5	2	
2072*	450322	NUT M5	2	
2073*	MBE3488	BRACKET (FILTER)	2	
2074*	450195	SCREW M8 x 40 (for 2073)	2	
2075*	450411	S.L.WASHER M8	2	
2076	MBE4389	CLAMP	2	
2077	A904294	FLAP	2	
2078	A109185	WELDBOLT M8 x 30 (for 2046)	1	
2079	A291054	SPRING	1	
2080	450378	NUT M8 NYLOC	1	
2082	MBE3466A	BRACKET - MICRO SWITCH.	1	
2086*	450598	SCREW M4 x 25 (for 2082)	2	
2087*	450408	S.L.WASHER M4	2	
2088*	450321	NUT M4	2	
2089	MBC7696A	NOSE PLATE	1	
2090	MBE3891	HOOK W/ASSY.	2	
2091*	A299022	KNOB	2	
2092	A292110	DISC SPRING (for 2090)	4	
2093	450393	WASHER M16 FOR 2090	2	

* Not Illustrated

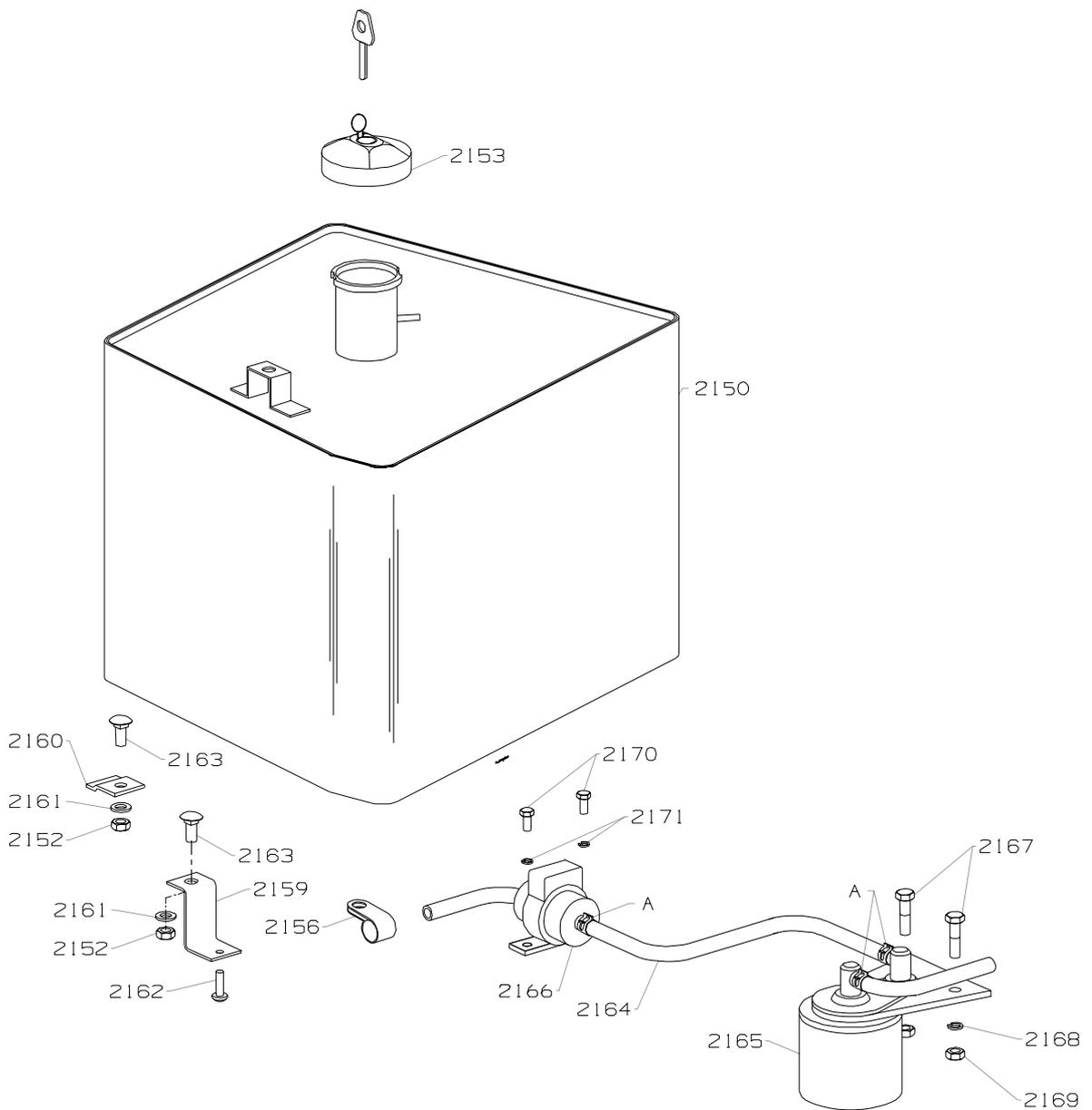
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ITEM	RANSOMES PART NO	DESCRIPTION GB	QTY	REMARKS
2094*	450382	NUT M16 NYLOC	2	
2095	MBE3653A	BULKHEAD PLATE.	1	
2096*	450191	SCREW M8 x 20 HEX HD (for 2099)	4	
2097*	450390	WASHER M8	4	
2098*	450378	NUT M8 NYLOC	4	
2099	MBE3938	ANGLE.	2	
2101*	MBF0526A	BUMPER WELDED ASSY	1	
2102*	450191	SCREW, M8 x 20, HEX HD	4	
2103*	450411	S.L.WASHER, M8	4	
2104*	450324	NUT, M8	4	

* Not Illustrated

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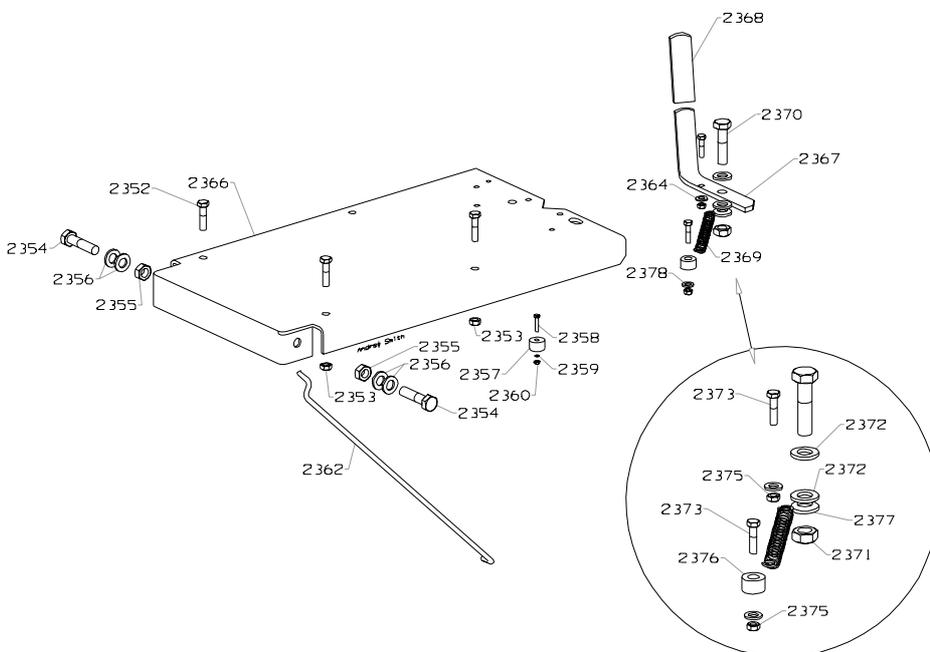
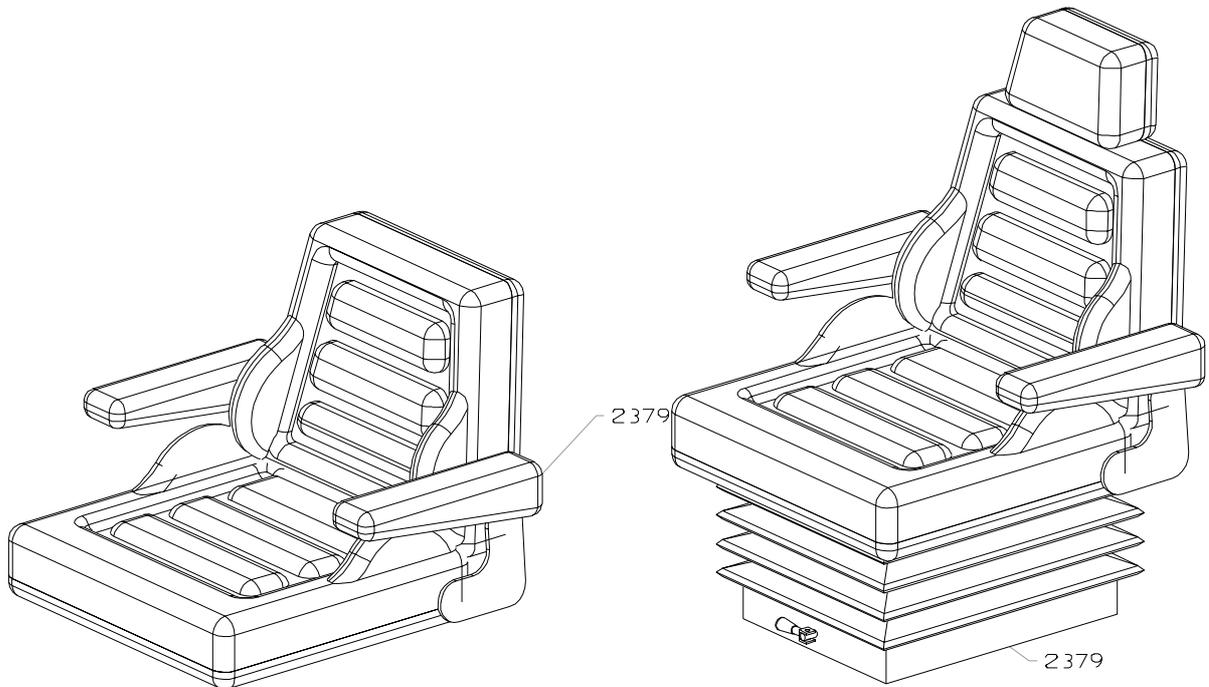
FUEL TANK

LIST OF PARTS

ITEM	RANSOMES PART NO	DESCRIPTION GB	QTY	REMARKS
2150	MBC5697A	FUEL TANK W/A	1	
2152	450378	NUT M8 NYLOC	A/R	
2153	H460057	FILLER CAP	1	
2156	H980031	'P' CLIP	1	
2159	MBB8238	CLAMP	4	
2160	MBB8239	CLAMP	4	
2161	450390	WASHER M8	A/R	
2162	A119028	SCREW M6 X 20	2	
2163	A102900	BOLT, M8 X 20,	A/R	
2164	Ex Kubota	FUEL HOSE	1	
2165	Ex Kubota	FUEL FILTER	1	
2166	Ex Kubota	FUEL PUMP	1	
2167	450193	SCREW M8 x 30 HEX HD	2	
2168	450411	S.L.WASHER M8	2	
2169	450324	NUT M8	2	
2170	450168	SCREW M6 x 12 HEX HD	2	
2171	450410	S.L.WASHER M6	2	
A		CLIP EX KUBOTA	3	

* Not Illustrated

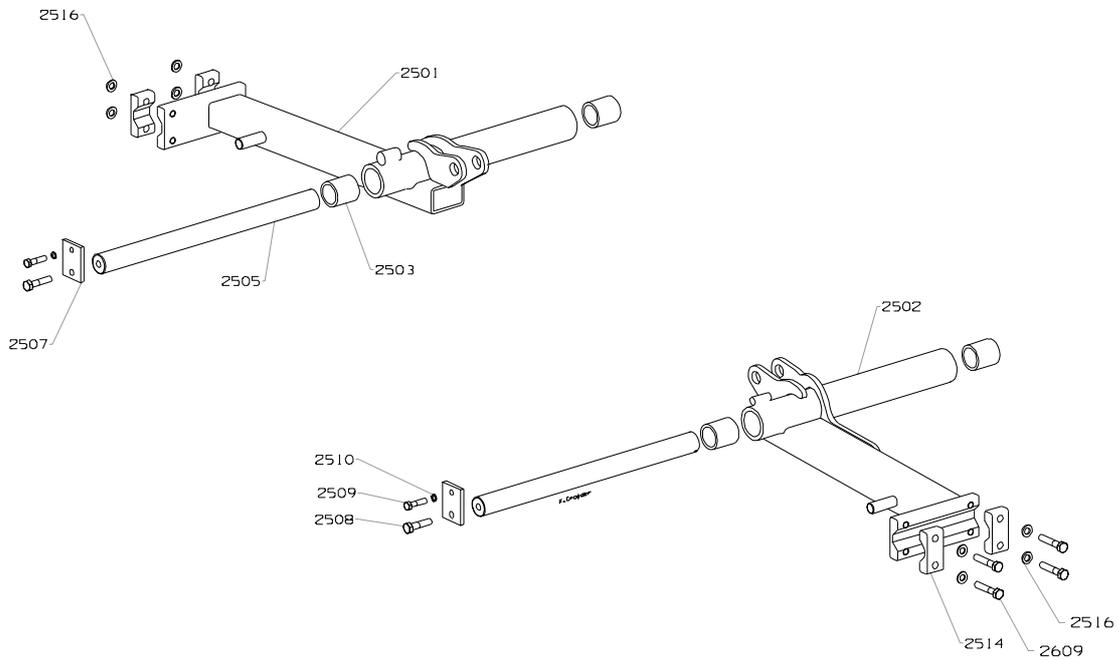
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ITEM	RANSOMES PART NO	DESCRIPTION GB	QTY	REMARKS
2353	450378	NUT M8 NYLOC	A/R	
2354	450241	SCREW M12 x 30 HEX HD	A/R	
2355	450380	NUT M12 NYLOC	A/R	
2356	450392	WASHER M12	A/R	
2357	H990117	RUBBER STOP	4	
2358	450520	SCREW M4 x 20 PAN HD	A/R	
2359	450408	S.L.WASHER M4	A/R	
2360	450321	NUT M4	A/R	
2361	H052014	ADHESIVE	.830	
2362	MBB8221A	STAY	1	
2363	A139913	STAR RING	1	
2364	450389	WASHER M6	A/R	
2365	H980021	CABLE CLIP	1	
2366	MBB8302C	SEAT BASE	1	
2367	MBC7707D	LEVER	1	
2368	A914200	SLEEVE	1	
2369	MBA5125	SPRING	1	
2370	450216	SCREW M10 x 35 HEX HD	A/R	
2371	450379	NUT M10 NYLOC	A/R	
2372	450391	WASHER M10	A/R	
2373	450172	SCREW M6 x 25 HEX HD	A/R	
2375	450377	NUT M6 NYLOC	A/R	
2376	MBC8048	STOP	1	
2377	A292083	DISC SPRING WASHER	1	
2378	GSF2151AR	PLAIN WASHER - large	1	
2379*	A819938	SEAT (MSG20)	1	WITH SUSPENSION S85/90R
2380*	450019	BOLT, M8 X 55, HEX HD	4	
2381*	450390	WASHER, M8	4	
2382*	450411	S.L.WASHER, M8	4	
2383*	450192	SCREW, M8 X 25, HEX HD	4	
2384*	MBG0059	SPACER	4	
2385*	450324	NUT, M8	4	

* Not Illustrated

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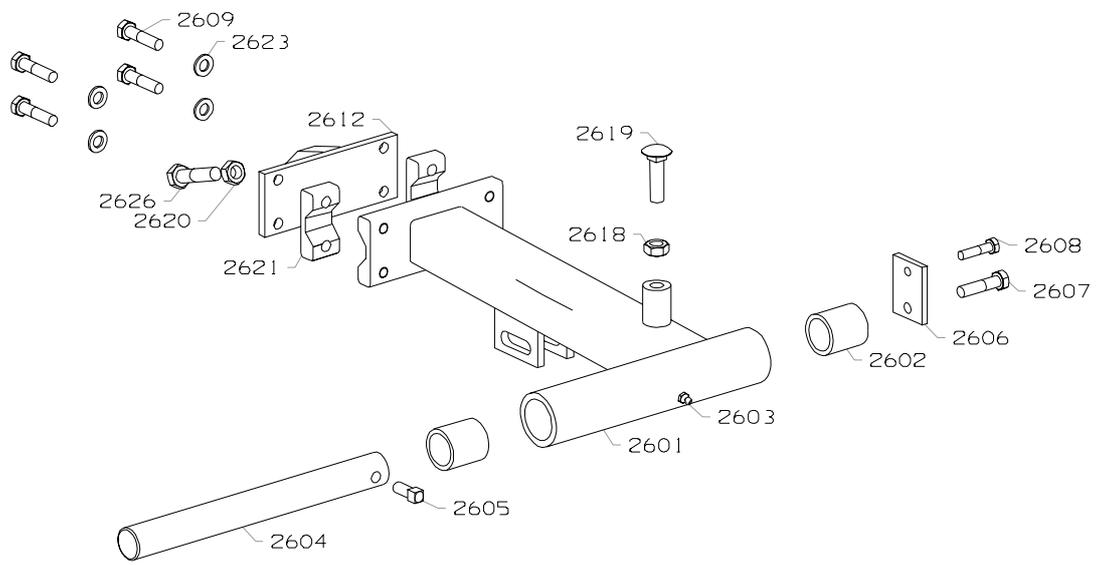
FRONT UNIT SUSPENSION

LIST OF PARTS

ITEM	RANSOMES PART NO	DESCRIPTION GB	QTY	REMARKS
2501	MBE3002	LIFT ARM RH.	1	
2502	MBE3003	LIFT ARM LH.	1	
2503	A210175	BUSH, 30 ID X 38 OD X 40 LG	4	
2504*	A299301	LUBRICATOR	2	
2505	MBF0569	PIVOT SHAFT	2	
2506*	452476	SCREW M10 x 20 (for 2505)	2	
2507	MBC7659	KEEP PLATE	2	
2508	450477	SCREW M10 x 20 VERBUS RIPP	A/R	
2509	450473	SCREW M8 x 30 VERBUS RIPP	A/R	
2510	450411	S.L.WASHER M8	A/R	
2514	MBC8460	CLAMP CAP.	4	
2516	450391	WASHER M10	8	
2518*	H980407	HOSE CLIP	3	

* Not Illustrated

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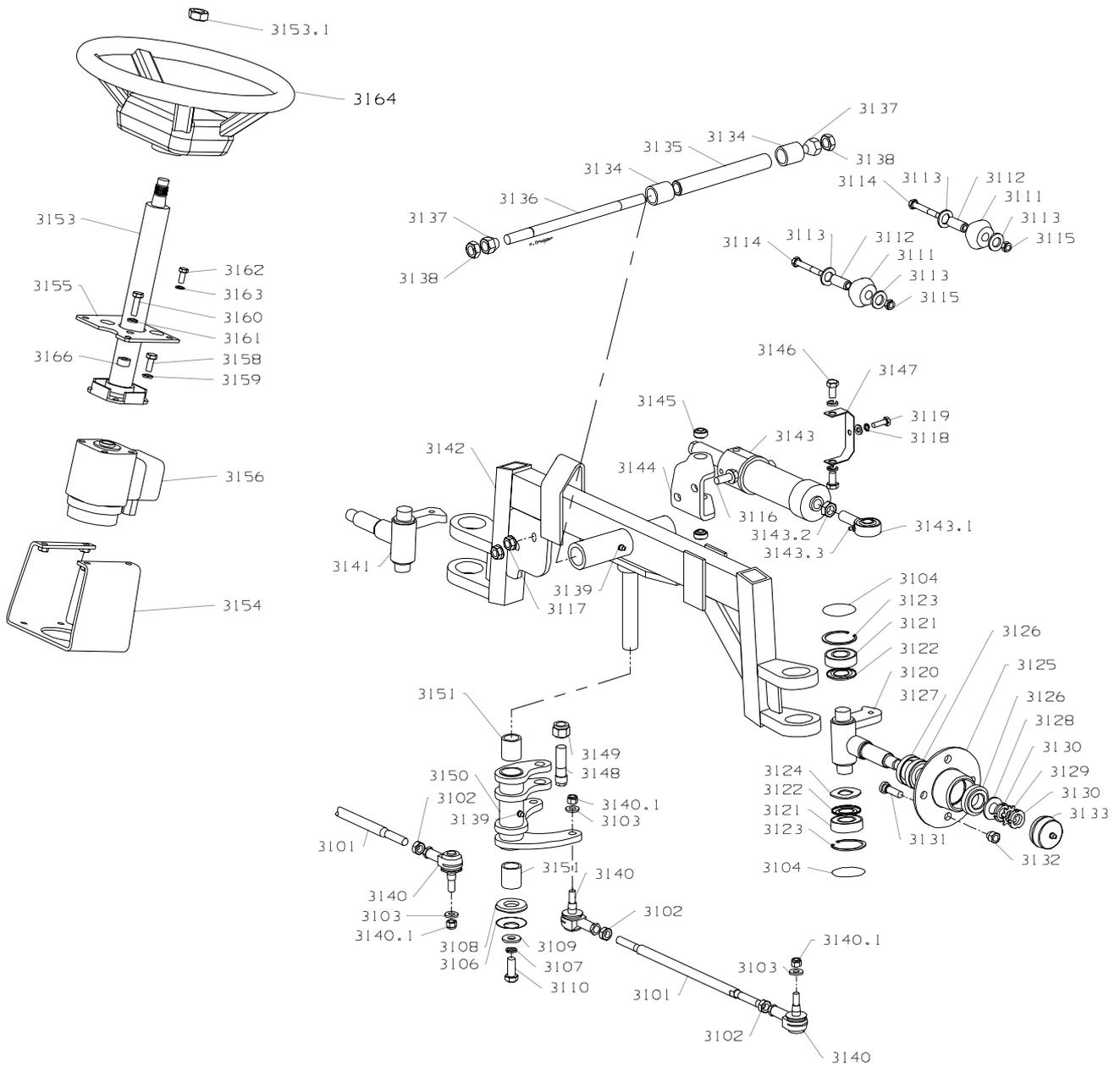
REAR UNIT SUSPENSION

LIST OF PARTS

ITEM	RANSOMES PART NO	DESCRIPTION GB	QTY	REMARKS
2601	MBE3001	LIFT ARM REAR.	1	
2602	A210175	BUSH, 30 ID X 38 OD X 40 LG	2	
2603	A299301	LUBRICATOR	1	
2604	MBF0570	PIVOT SHAFT	1	
2605	452476	SCREW M10 x 20	A/R	
2606	MBC7659	KEEP PLATE	1	
2607	450477	SCREW M10 x 20 VERBUS RIPP	A/R	
2608	450473	M8x30 SCREW VERBUS RIPP	A/R	
2609*	450032	BOLT M10 x 50 HEX HD	A/R	
2610*	450412	S.L.WASHER M10	A/R	
2611*	450215	SCREW M10 x 30 HEX HD	4	
2612	MBE3515	STOP BRKT. W/ASSY.	1	
2616*	450059	BOLT M12 x 100 HEX HD	1	
2618	450380	NUT M12 NYLOC	1	
2619	452611	BOLT M12 x 40 SQ NECK	A/R	
2620	450326	NUT M12	1	
2621	MBC8460	CLAMP CAP.	2	
2623	450391	WASHER M10	A/R	
2626	450059	BOLT M12 x 100 (for 2612)	1	

* Not Illustrated

**RANSOMES
HIGHWAY 213
Series VL & VK**



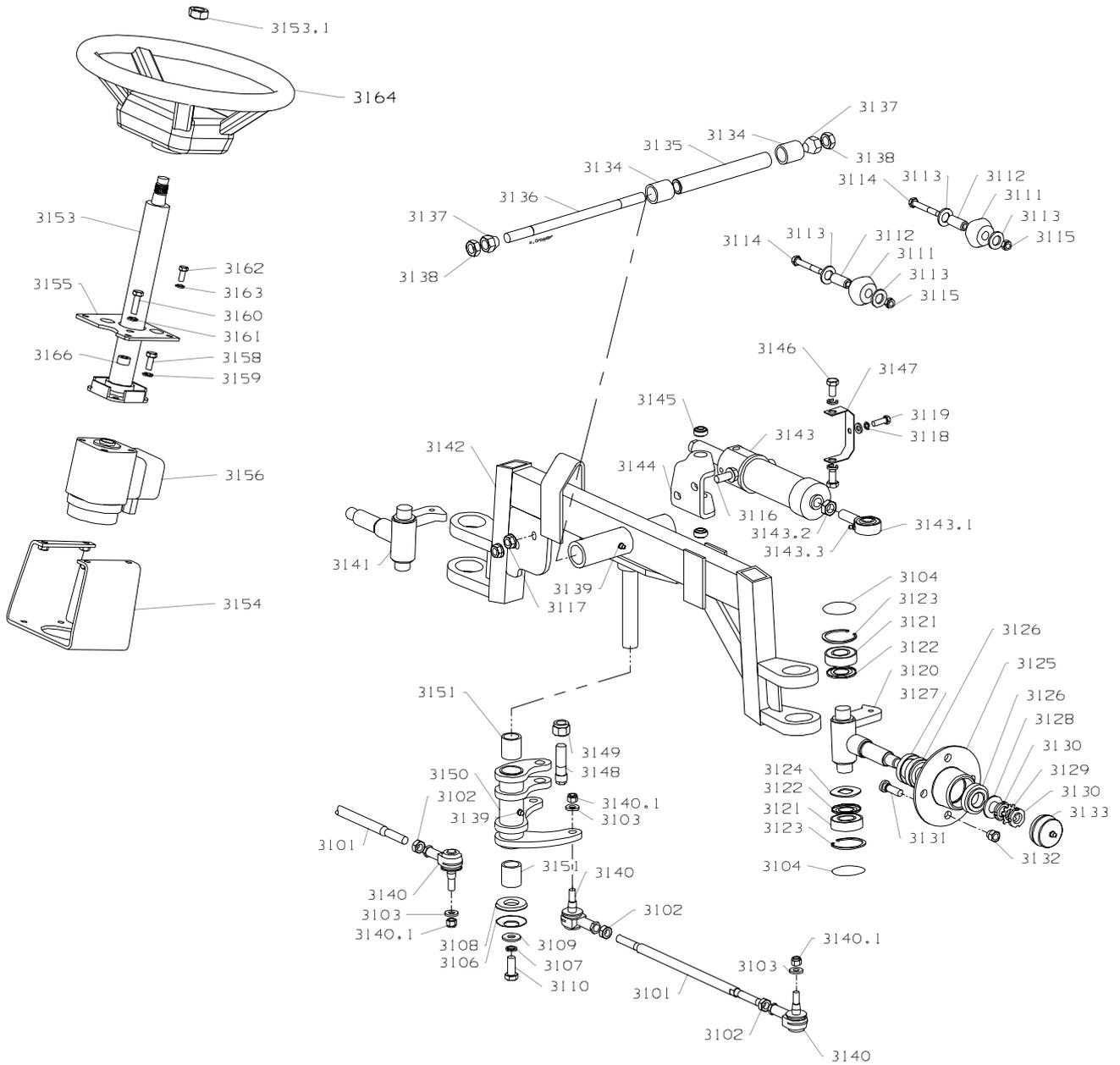
REAR AXLE AND STEERING

LIST OF PARTS

ITEM	RANSOMES PART NO	DESCRIPTION GB	QTY	REMARKS
3101	MBE2580	TRACK ROD.	2	
3102	GSF2052AE	LOCKNUT	4	
3103	MBE2910	WASHER.	4	
3104	A906500	PLUG	4	
3105*	H052013	LOCTITE 270	AR	
3106	H083036	DISC SPRING	1	
3107	450413	S.L.WASHER M12	1	
3108	MBC7653	WASHER.	1	
3109	MBF0037	SPACER	1	
3110	450241	SCREW M12 x 30 HEX HD	1	
3111	A904224	ROLLER	4	
3112	MBC4982	BUSH	4	
3113	450393	WASHER M16	8	
3114	450020	BOLT M8 x 60 HEX HD	4	
3115	450378	NUT M8 NYLOC	A/R	
3116	450483	SCREW M12 x 30 VERBUS RIPP	A/R	
3117	450455	NUT M12 VERBUS RIP	A/R	
3118	450411	S.L.WASHER M8	A/R	
3119	450188	SCREW M8 x 12 HEX HD	A/R	
3120	MBC7897	STUB AXLE LH W/A	1	
3121	A203605	BEARING 24 x 52 x 15	4	
3122	A228205	NILOS RING	4	
3123	451982	INT CIRCLIP 52mm	4	
3124	A159946	WAVED WASHER	2	
3125	MBC7996	HUB	2	
3126	A205902	BEARING	4	
3127	A229948	OIL SEAL	2	
3128	GSF2150AK	3/4 PLAIN WASHER	2	
3129	A159908	TAB WASHER	2	
3130	A139900	NUT 3/4 UNF	4	
3131	A815516	WHEEL STUD	8	
3132	PBA0696	NUT	8	
3133	699528549	DUST COVER	2	
3134	A219305	NYLON BUSH	2	
3135	MBC7201	DISTANCE PIECE	1	
3136	MBE1986	AXLE STUD.	1	
3137	TBA9045	WHEEL NUT	2	
3138	GSF2052AG	NUT	2	
3139	A299306	LUBRICATOR	2	
3140	H980027	BALL JOINT RH	4	
3141	MBC7895	STUB AXLE W/ASSY.	1	
3142	MBC4961C	AXLE FABRICATION	1	
3143	MBC6184A	RAM	1	

* Not Illustrated

RANSOMES
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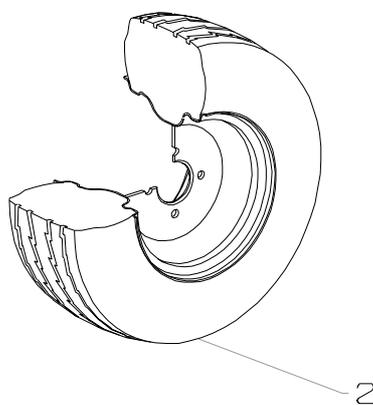
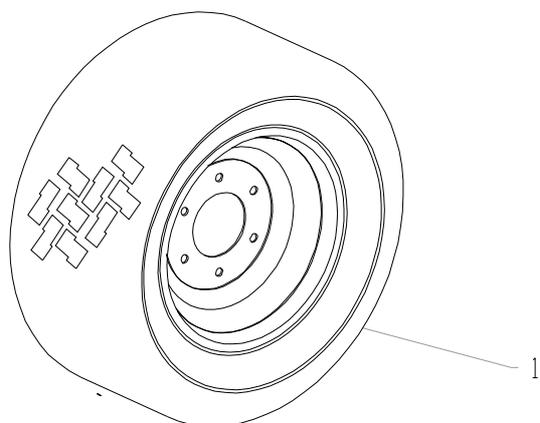


REAR AXLE AND STEERING

LIST OF PARTS

ITEM	RANSOMES PART NO	DESCRIPTION GB	QTY	REMARKS
3144	MBC6169	BRACKET	1	
3145	A814539	SPHERICAL BEARING	2	
3146	450239	SCREW M12 x 20 (for 3147 to 3143)	2	
3147	MBC6160A	SECURING STRIP	1	
3148	MBC6186	PIVOT PIN.	1	
3149	450382	NUT M16 NYLOC (for 3148)	1	
3150	MBC6187A	BELL CRANK ASSY	1	
3151	A219305	NYLON BUSH	2	
3153	A819203	STEERING COLUMN	1	
3154	MBC5462	STEERING SUPPORT	1	
3155	MBC5465A	PLATE	1	
3156	A808949	COMBINED STEER/PRIORITY UNIT	1	
3158	456110595	SCREW, 3/8 UNC X 3/4 LONG	2	
3159	GSF2163J	LOCKWASHER	2	
3160	GSF2093EH	SCREW, 3/8 UNC X 1.1/4 LONG	2	
3161	GSF2163J	LOCKWASHER	2	
3162	450191	SCREW M8 x 20 (for 3155 to 3154)	4	
3163	450411	S.L.WASHER M8	4	
3164	A819212	STEERING WHEEL	1	
3165*	0839862	CORPORATE LOGO STEERING WHEEL	1	
3166	MBC5963	PACKER	2	
3167*	450529	SCREW, M5 x 20, PAN HD	6	
3168*	450322	NUT, M5	6	
3169*	450388	WASHER, M5	6	
3170*	031955386	LOCTITE 638	A/R	

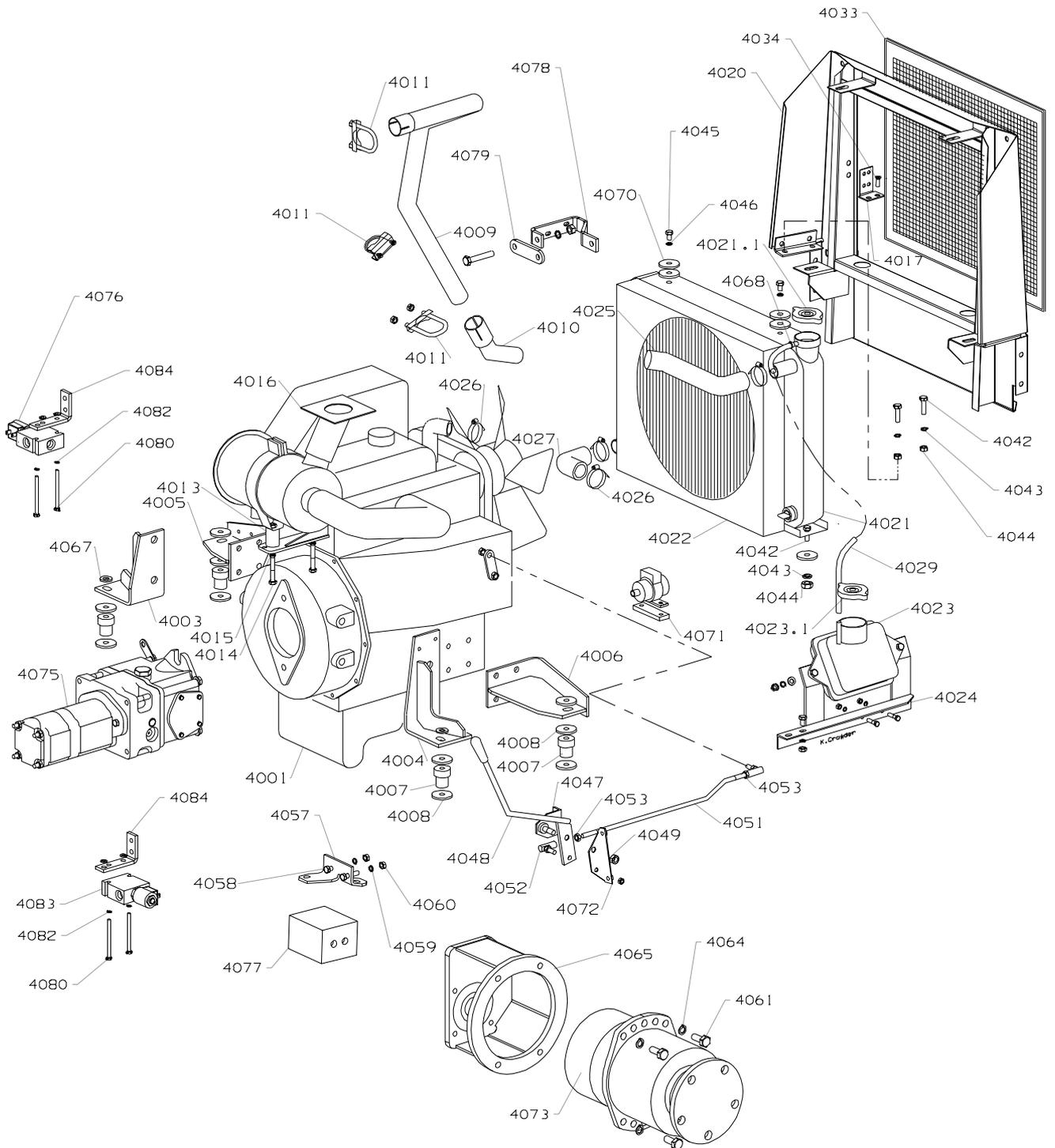
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ITEM	RANSOMES PART NO	DESCRIPTION GB	QTY	REMARKS
3250	WL009	WHEEL KIT (HIGHWAY 213)	1	
1	A816247	FRONT WHEEL ASSEMBLY	2	
	A816254	• RIM	1	
	A817094	• TYRE 23*10.50-12	1	MULTI TRAC
2	A816201	WHEEL & TYRE ASSY	2	
	A816217*	• RIM	1	
	A817091*	• TYRE 18.5 x 8.50	1	

* Not Illustrated

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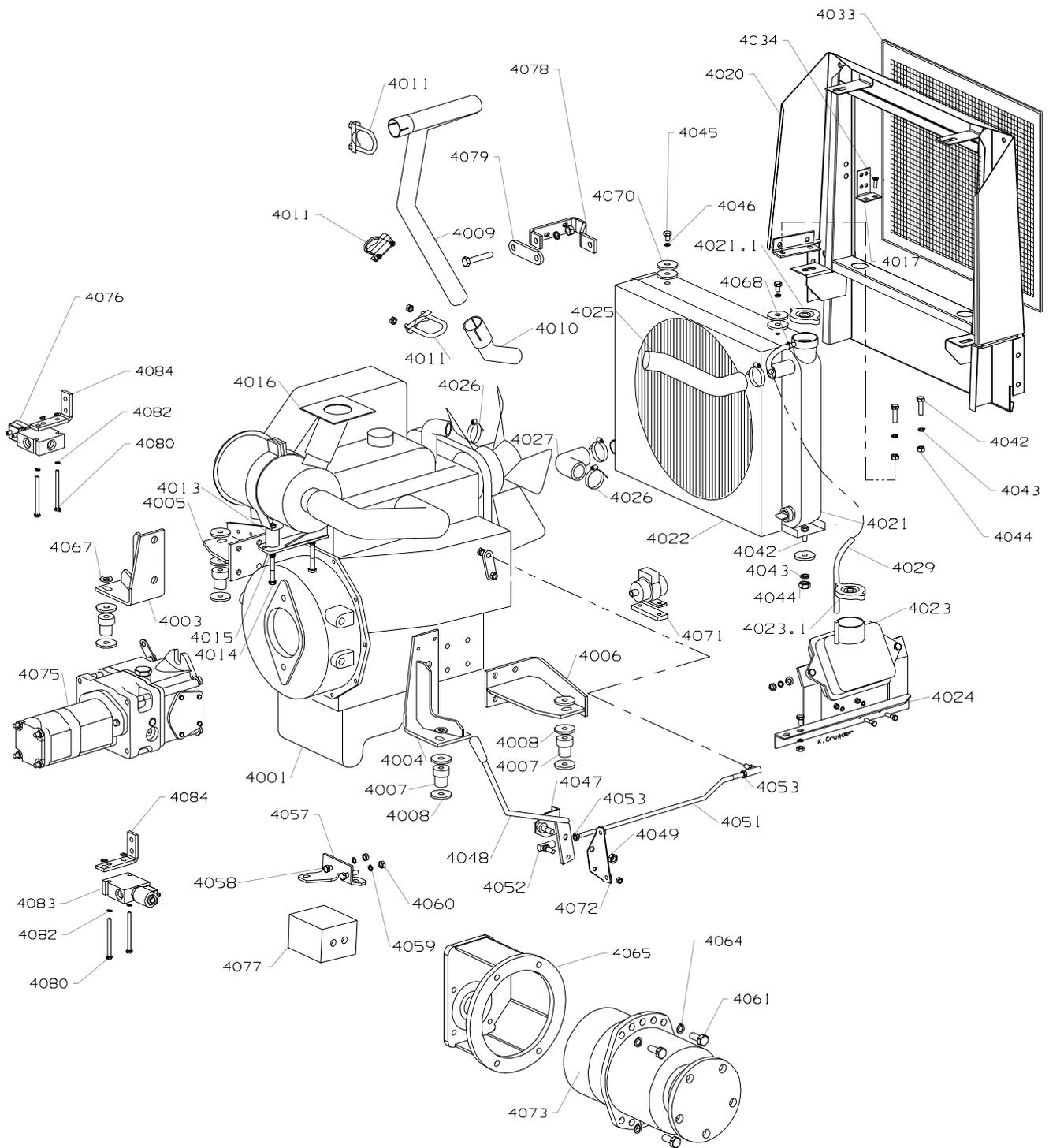
ENGINE AND TRANSMISSION

LIST OF PARTS

ITEM	RANSOMES PART NO	DESCRIPTION 	QTY	REMARKS
4001	A682167	ENGINE (KUBOTA D1105)	1	
4002*	A819029	DUAL ELEMENT A/C KIT	1	D1105) 1
4003	MBE1047D	ENGINE FOOT - FRONT.	1	
4004	MBE4289	ENGINE FOOT - FRONT.	1	
4005	MBE1045	ENGINE FOOT - REAR.	1	
4006	MBE1046	ENGINE FOOT - REAR.	1	
4007	A299401	FLEXIBLE MOUNT	4	
4008	MBC0175	WASHER	10	
4009	A691040	EXHAUST PIPE	1	
4010	A691029	EXHAUST TAIL PIPE	1	
4011	A199007	CLAMP 1.1/2	3	
4013	MBE3468	SPACER.	2	
4014	450018	BOLT M8 x 50 (for 4013)	2	
4015	450411	S.L.WASHER M8	2	
4016	MBE3233	AIR INTAKE FLANGE.	1	
4017	MBG4023	COOLER BRACKET	2	
4018*	450357	NUTSERT, M6 *16, HEX HEAD	8	4/MBF1447 &2/MBG4023
4019*	006910930	OIL COOLER	1	
4020	MBF1447	RADIATOR SUPPORT	1	
4021	A691038	RADIATOR	1	
4022	MBE2903A	FAN COWLING	1	
4023	A691039	EXPANSION TANK	1	
4024	MBE3935B	ANGLE W/ASSY	1	
4025	A912123	TOP RAD HOSE	1	
4026	A192540	HOSE CLAMP	4	
4027	A912123	TOP RAD HOSE	1	
4028*	A192540	HOSE CLAMP	2	
4029	A298323	HOSE	1	
4032*	A192540	HOSE CLAMP	2	
4033	MBE3547A	BUGSCREEN ASSY	1	
4034	450170	SCREW M6 * 16 HEX HD.	8	4/MBG4023
4035*	450192	SCREW M8 x 25 HEX HD	2	
4036*	450411	S.L.WASHER M8	2	
4037*	450324	NUT M8	2	
4038*	450172	SCREW M6 x 25 HEX HD	3	
4039*	450389	WASHER M6	11	3/4038 & 4/MBG4023
4040*	450410	S.L.WASHER M6	11	4/4038 & 4/MBG4023
4041*	450377	NUT M6 NYLOC	3	
4042	450191	SCREW M8 x 20 HEX HD	6	
4043	450411	S.L.WASHER M8	6	
4044	450324	NUT M8	6	
4045	450168	SCREW, M6 X 12, HEX HD	4	
4046	450410	S.L.WASHER, M6	4	
4047	MBFO624	THROTTLE BRACKET W. A.	1	
4048	MBF0535A	THROTTLE LEVER W.A.	1	
4049	450379	NUT, M10 NYLOC	1	
4051	MBE3202	THROTTLE LINK	1	

* Not Illustrated

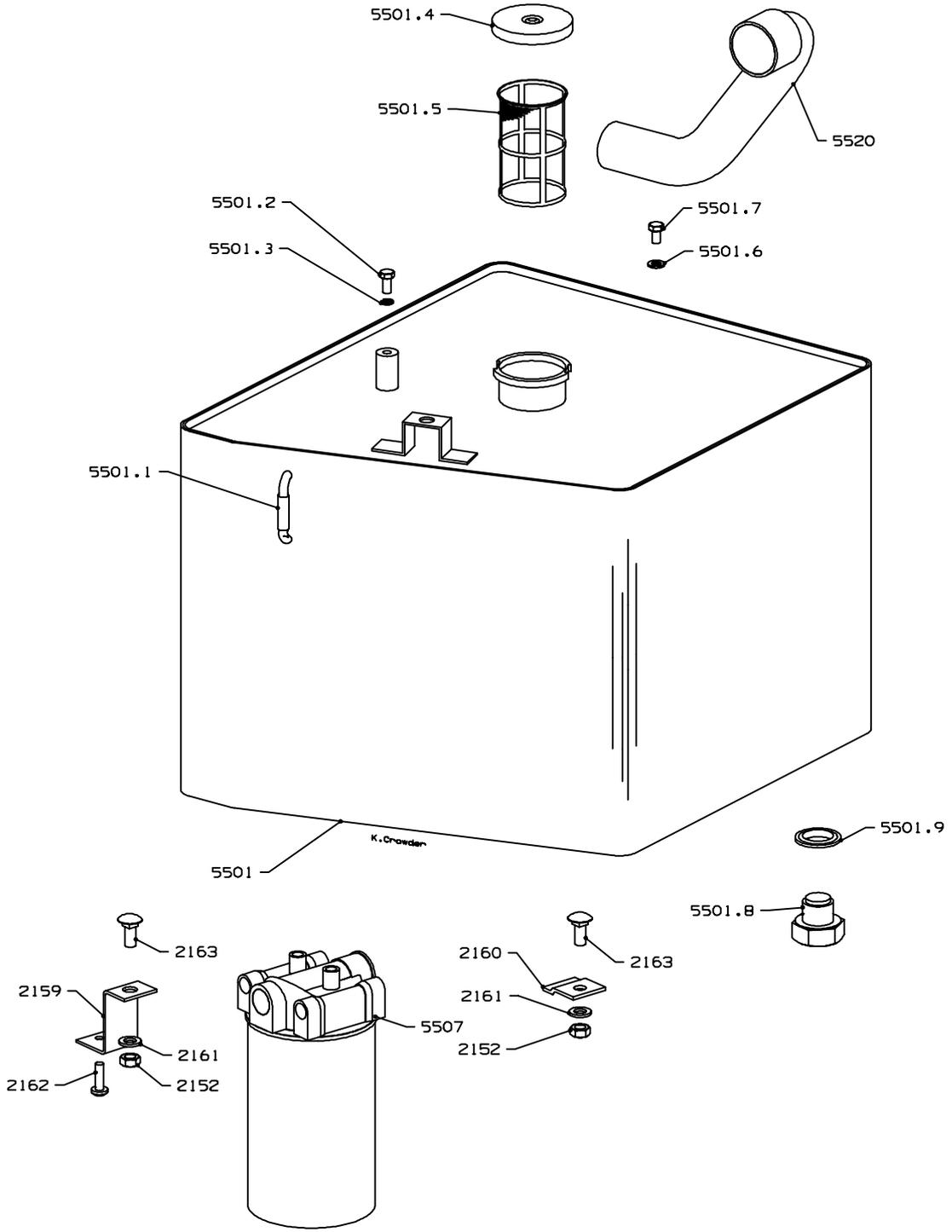
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ITEM	RANSOMES PART NO	DESCRIPTION 	QTY	REMARKS
4052	A814537	BALL JOINT, M8	2	
4053	450324	NUT, M8	2	
4054*	450026	BOLT, M8 X 90, HEX HD	2	
4057	MBE3815	VALVE BRACKET D.L.V.	1	
4058	450192	SCREW M8 x 25, HEX HD	2	
4059	450411	S.L.WASHER M8	2	
4060	450324	NUT M8	2	
4061	A119116	SCREW, M14 X 1.5 X 30, HEX HD	8	
4062*	MBG4036	STUD M12 *35	8	
4063*	450413	S.L.WASHER M12	8	
4064	A159420	S.L.WASHER, M14	8	
4065	MBF1331	MOTOR BRACKET LH	1	
4066*	MBF1332	MOTOR BRACKET RH	1	
4067	MBC8846	WASHER.	2	
4068	469016517	P CLIP	1	
4069*	450326	NUT M12	8	FOR 4062
4070	MBC0175	WASHER	8	
4071	MBE4296	PACKER	1	
4072	MBE4460	THROTTLE STOP	1	
4073	A800685	255CC LH 2-SPEED PISTON MOTOR FIT TO LH SIDE ONLY	2	
4074*	A800686	255CC RH 2-SPEED PISTON MOTOR FIT TO RH SIDE ONLY	1	
4075	A800688	PUMP PACKAGE	1	
4076	A801111	SOLENOID VALVE	2	
4077	A802775	FLOW DIVIDER (DIFF LOCK)	1	
4078	MBG4065	EXHAUST BRACKET	1	
4079	MBG4047	STAY	1	
4080	450892	BOLT, M10 X 100, SCKT CSK	1	
4081*	450325	NUT, M10	1	
4082	450412	S.L.WASHER, M10	1	
4083	A801112	SOLENOID VALVE	1	
4084	MBG3802	VALVE BRACKET	2	
4086*	450389	WASHER, M6	4	
4087*	A295322	GROMMET	3	2 (CUT) FOR OIL COOLER HOSES
4088*	450410	S.L.WASHER, M6	4	
4585*	450358	NUTSERT, M6 A-K 2ND GRIP	6	
4587*	450005	BOLT, M6 X 50, HEX HD	4	

* Not Illustrated

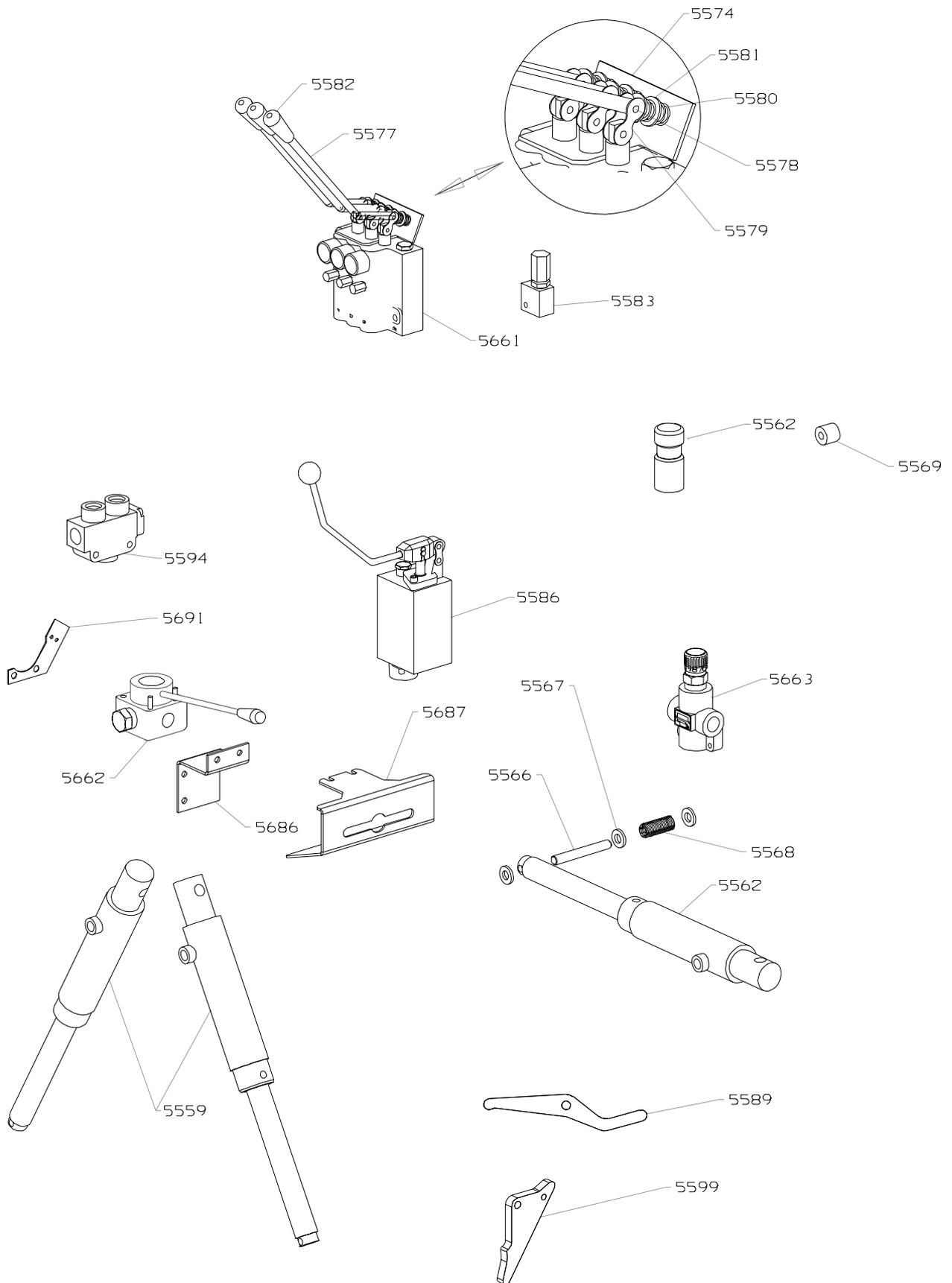
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ITEM	RANSOMES PART NO	DESCRIPTION GB	QTY	REMARKS
5500*	MBB8217A	HYDRAULIC TANK	1	
5501	MBB8216A	HYDRAULIC TANK ASSY	1	
5502*	H051003	OIL TELLUS 46	AR	
5507	A819166	FILTER ASSEMBLY	1	
5512*	450393	WASHER M16	5	
5513*	MBC9310	ADAPTOR	1	
5514*	A904832	GUIDE	1	
5518*	A192532	HOSE CLAMP	2	
5520	A912152	SUCTION HOSE	1	

* Not Illustrated

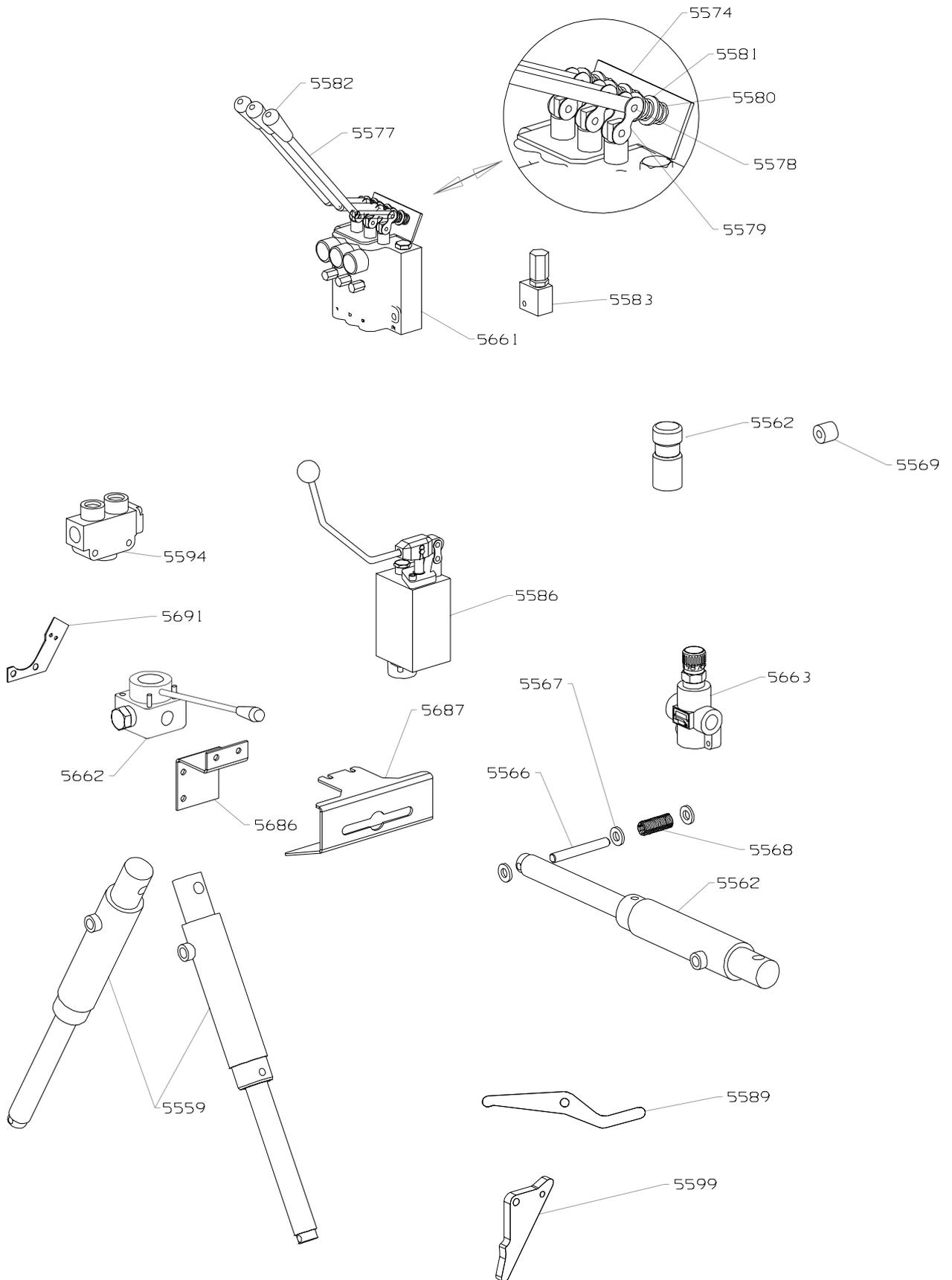
**RANSOMES
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ITEM	RANSOMES PART NO	DESCRIPTION GB	QTY	REMARKS
5551*	450413	S.L.WASHER M12	2	
5552*	450326	NUT M12	2	
5553*	450392	WASHER M12	2	
5554*	451241	SPLIT PIN, 3.2 X 22	4	
5555*	A100968	BOLT M12 X 90	2	
5556*	450392	WASHER M12	1	
5557*	451241	SPLIT PIN 3.2 X 22	2	
5558*	MBC7297	SPACER.	4	
5559	A902732	HYDRAULIC RAM	2	
5560*	MBC7847	DISTANCE PIECE	2	
5561*	MBE0417	PISTON PIN.	2	
5562	A902731	HYDRAULIC RAM	1	
5563*	MBE2590	SPACER	1	
5564*	450059	BOLT M12 x 100 , HEX HD	1	
5565*	452438	NUT M12 FLANGED NYLOC	1	
5566	MBE0417	PISTON PIN.	1	
5567	450392	WASHER M12	9	
5568	A291112	COM SPRING	3	
5569	MBC2543	SPACER.	2	FOR LIFT V'LE TO MAIN FRAME
5570*	450011	BOLT M8 x 80, HEX HD	2	
5571*	450377	NUT M6 NYLOC	A/R	
5572*	450389	WASHER M6	A/R	
5573*	A808109	ORIFICE PLATE	3	
5574	MBG0077A	BRACKET	1	
5575*	450168	SCREW M6 x 12 HEX HD	3	
5576*	450410	S.L.WASHER M6	3	
5577	MBF0283	LIFT LEVER	3	
5578	451581	TENSION PIN 3 X 20	3	
5579	A380202	CONNECTING LINK	3	
5580	A291054	SPRING	6	
5581	450391	WASHER M10	6	
5582	A299022	KNOB	3	
5583	A802504	RELIEF VALVE	1	
5584	MBE3494B	HANDWHEEL	1	FOR BACK PRESS'E VALVE
5585	450959	SETSCREW, M6 X 8, CUP PNT	2	
5586	A802817	MOTOR VALVE	1	
5587*	450191	SCREW M8 x 20 HEX HD	3	
5588*	A292085	DISC SPRING	2	
5589	MBF 1344	CENTRE DIVERTOR LEVER	1	
5590*	MBC5102	SPACER.	1	
5591*	450023	BOLT M8 x 75	1	
5592*	452115	E CLIP 8 MM	4	
5593*	452436	NUT FLANGED M8 NYLOC	1	

* Not Illustrated

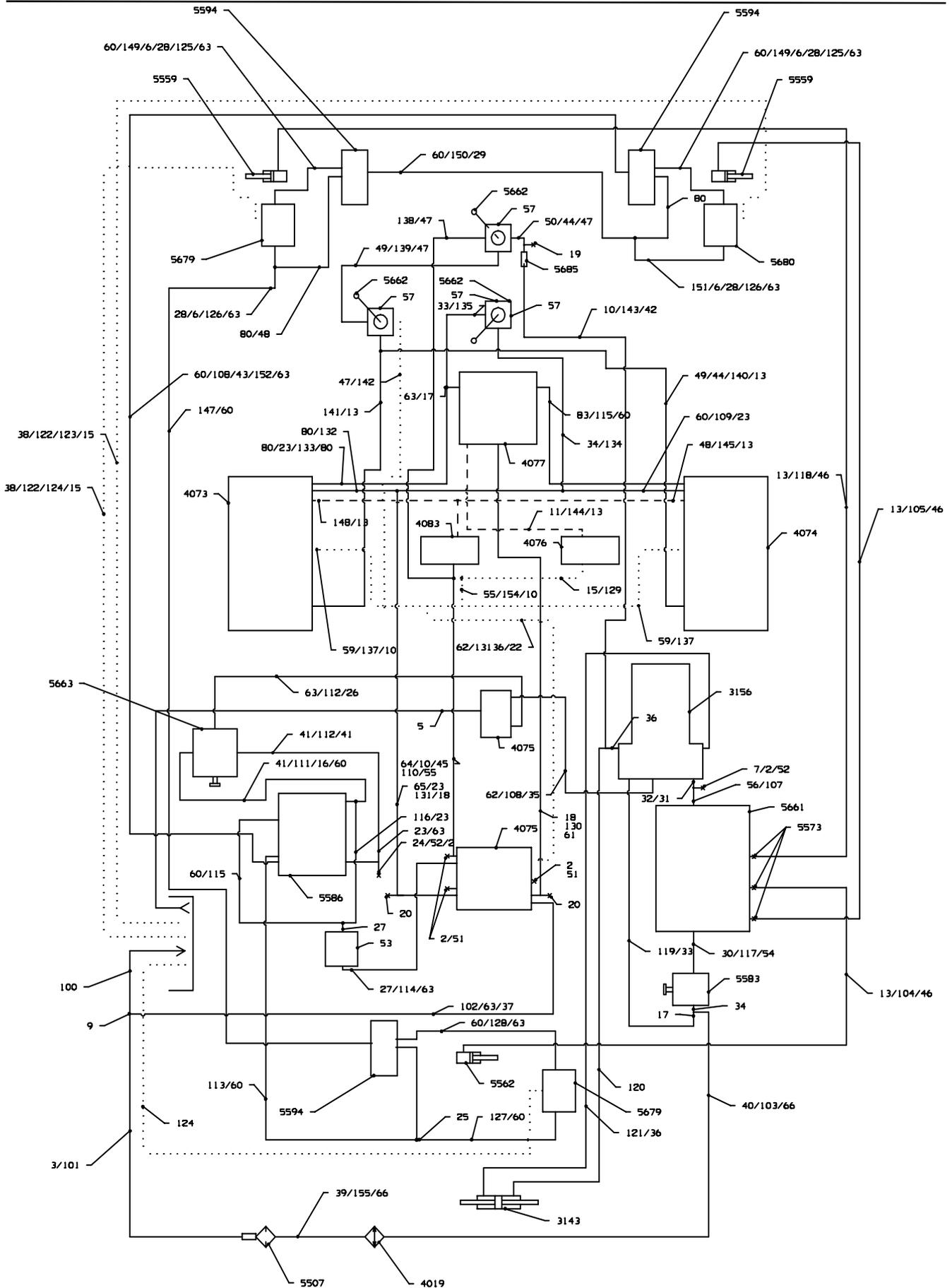
**RANSOMES
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ITEM	RANSOMES PART NO	DESCRIPTION GB	QTY	REMARKS
5594	A801020	3 PORT DIVERTOR VALVE	3	
5595*	450019	BOLT, M8 x 55 HEX HD	2	FOR 5594 TO MAIN FRAME
5596*	450378	NUT M8 NYLOC	A/R	
5597*	450390	WASHER M8	A/R	
5598*	450004	BOLT, M6 x 45, HEX HD	2	FOR 5594 TO MAIN FRAME
5599	MBF1388A	FRONT DIV. LEVER	2	
5600*	AQ10022	CLEVIS PIN.	2	
5601*	A192557	HOSE CLAMP, 34-57	1	
5602*	450410	S.L.WASHER M6	2	
5603*	450389	WASHER M6	2	
5646*	GSF2013EJ	SETSCREW	2	
5653*	H060105	PLASTIC SPRING GUARD	3	
5659*	A299022	KNOB	3	
5660*	MBE3483	BRACKET (B.P.V)	1	
5661	A801068	LIFT VALVE	1	
5662	A802834	HYDRAULIC VALVE	3	
5663	A802762	FLOW DIVIDER	1	
5664*	A802851	MICRO-SWITCH ASSY	1	
5665*	031955150	LOCTITE 243	AR	
5668*	MBC9918A	PLATE	1	
5669*	450388	WASHER , M5	2	
5670*	A181430	SCREW M3 X 25	2	
5671*	A182003	NUT M3	2	
5672*	A183003	WASHER 3MM	2	
5674*	NBG0999	RETAINING PLATE	3	
5675*	A914021	PROTECTIVE CAP (HYD MOTOR)	3	
5676*	450001	BOLT, M6 X 30, HEX HD	6	
5677*	450389	WASHER, M6	6	
5678*	450323	NUT, M6	6	
5679*	A809204	HYDRAULIC MOTOR	2	SEE CUTTING UNITS
5680*	A809203	HYDRAULIC MOTOR	1	SEE CUTTING UNITS
5681*	A221152	BS.152 'O' RING	1	
5685	A801121	CHECK VALVE	1	USED WITH EMERGENCY
5686	MBG3334	BRACKET E.B. VALVE	1	BRAKE VALVE
5687	MBG3955	GUARD, VALVE-MICROSWITCH	1	
5688*	450019	BOLT, M8 X 55, HEX HD	2	
5689*	450411	S.L.WASHER, M8	2	
5690*	450324	NUT, M8	2	
5691	MBG3284A	BRACKET - M.SWITCH	1	USE WITH EMER'Y BRK VALVE
5692*	W38382	SWITCH	1	FOR 5586
5693*	450388	WASHER, M5	4	
5694*	A119004	SCREW, NO. 10 X 1/2	2	
5695*	A139325	NUT, NO. 10-24	2	
5696*	IHHF015	HOSE & FIT. KIT	1	
5697*	A298937	HOSE SLEEVING	4.680	2 * 0.94M LENGTHS FOR HOSES 2 * 1.4M LENGTHS FOR HOSES
5698*	A199208	TIE, 200 X 4.8	8	FOR ITEM 5697

* Not Illustrated

**RANSOMES
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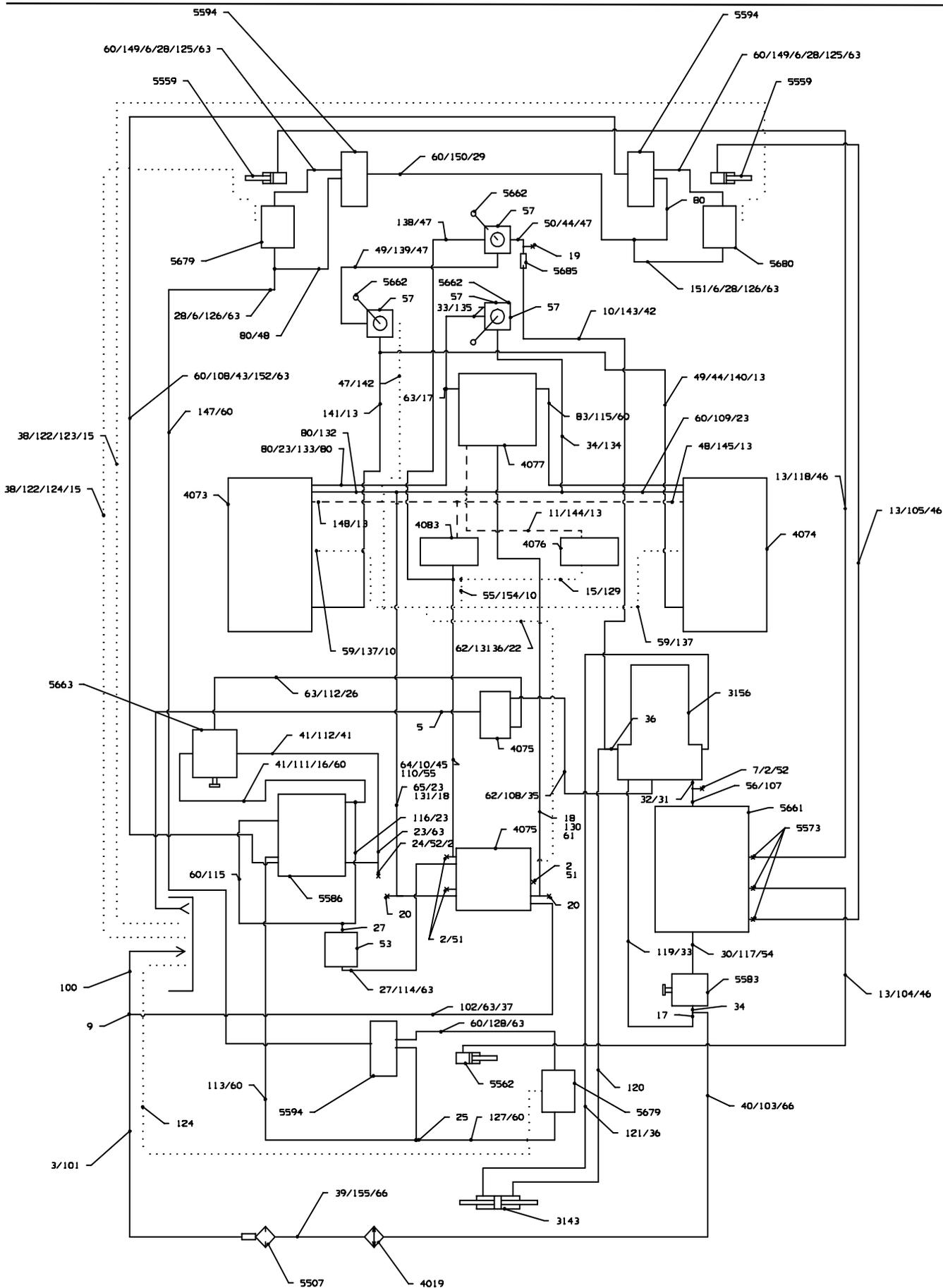
HYDRAULIC CIRCUIT

LIST OF PARTS

ITEM	RANSOMES PART NO	DESCRIPTION GB	QTY	REMARKS
1	A192557	HOSE CLAMP, 34-57	1	
2	A244911	TEST POINT BSP	5	
3	A249296	UNION MALE BSP-SAE	1	
4	A249323	90 M/F ELBOW BSP	4	
5	A249351	UNION MALE SAE-TAIL	1	
6	A249393	90 MALE ELBOW JIC-SAE	4	
7	A249740	90 MALE ELBOW BSP	1	
8	A249746	UNION MALE BSP-SAE	2	
9	A249748	EQUAL MALE TEE TAIL	1	
10	A249840	SWIVEL NUT RUN TEE	4	
11	A251500	SGT FIT ORFS-SAE	1	
12	A251501	SGT FIT ORFS-SAE M/M	2	
13	A251510	SGT FIT ORFS-SAE	8	
14	A252001	90 DEG FIT ORFS- ELBOW M/F	4	
15	A252502	90 DEG FIT ORFS-SAE	4	
16	A254001	TEE FIT ORFS-ORFSTEE M/M/F	1	
17	A254003	TEE FIT ORFS-ORFS M/F/M	1	
18	A254004	TEE FIT ORFS-ORFS F/M/M	2	
19	A256001	ORFS CAP - 9/16	1	
20	A256804	ORFS CAP - 1	2	
21	A259008	90 DEG SWIVEL NUT	3	ELBOW 1 ORFS
22	A259009	BULKHEAD RUN TEE -	1	11/16 ORFS
23	A259011	MISC ORFS FITTINGS	6	M/F/M TEE
24	A259012	FEMALE	1	1 ORFS X 1/8 BSPP MALE
25	A259013	MALE RUN TEE	1	
26	A259014	MALE CONNECTOR	1	
27	A259015	MALE CONNECTOR	2	
28	A259016	BULKHEAD	4	
29	A259017	TEE (SHORT)	1	
30	A259018	MALE CONNECTOR	1	
31	A259019	MALE CONNECTOR	1	
32	A259020	MISC ORFS FITTINGS	1	TEEM M/F/M
33	A259021	90 DEG.ELBOW M/M	3	
34	A259022	MALE CONNECTOR	3	
35	A259023	90 ELBOW-BSPP M/M	1	
36	A259024	90 ELBOW BSPP M/M	2	
37	A259028	90DEG ELBOW-HOSETAIL	1	
38	A259029	MISC ORFS FITTINGS	2	BULKHEAD
39	A259030	MALE CONNECTOR-BSPP	1	
40	A259031	90DEG ELBOW-HOSETAIL	2	
41	A259033	90 DEG ELBOW METRIC	2	
42	A259036	MALE CONNECTOR-BSPP	1	
43	A259040	ORFS FITTING BULKHEAD .	1	120mm LG
44	A259048	SWIVEL NUT RUN TEE	2	9/16 ORFS
45	A259065	FEMALE 11/16 ORFS 1/8 BSP MALE	1	
46	A259067	SGT FIT 9/16 ORFS - 9/16 SAE	3	

* Not Illustrated

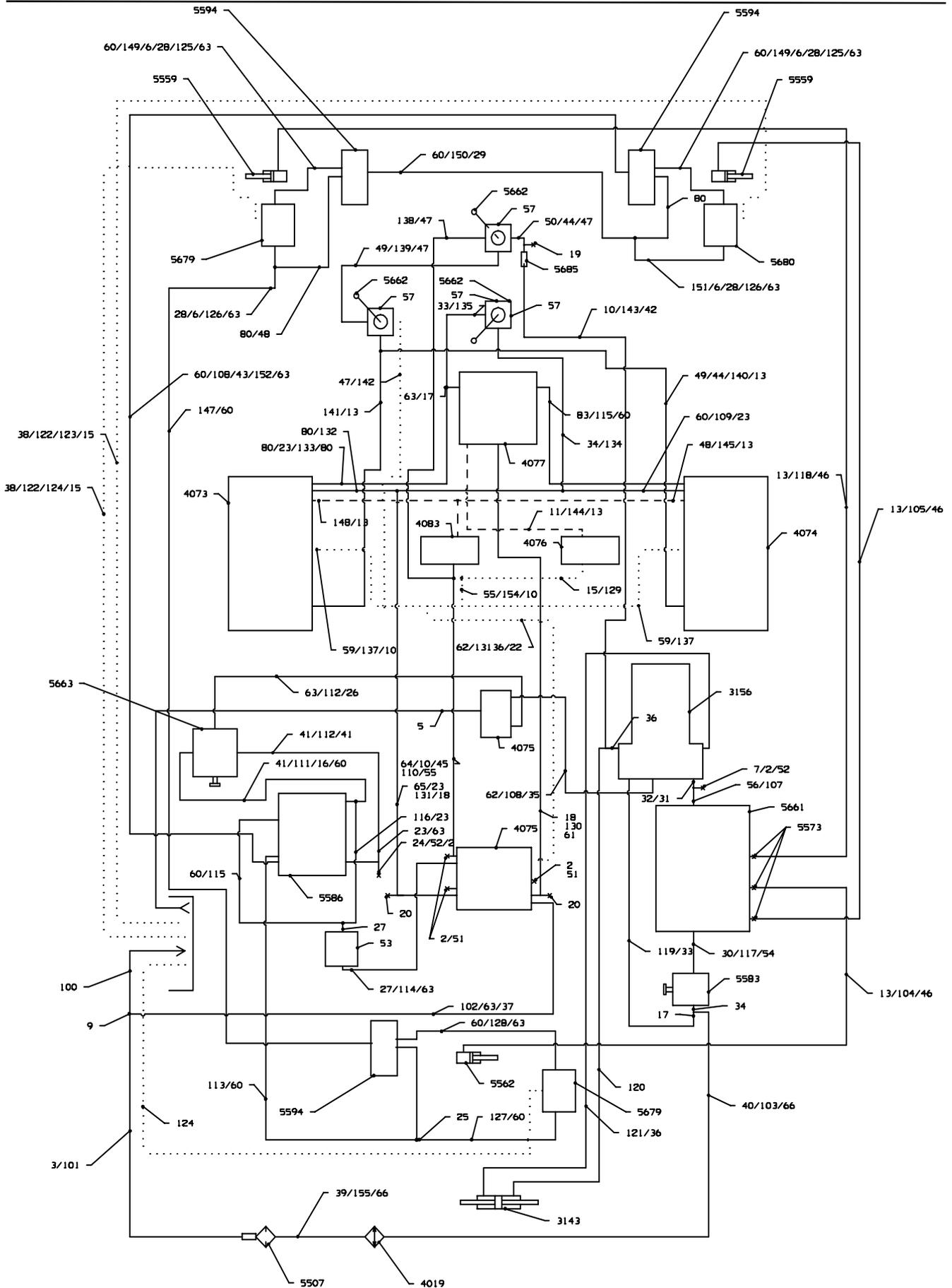
**RANSOMES
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ITEM	RANSOMES PART NO	DESCRIPTION 	QTY	REMARKS
47	A259071	90 DEG FIT 9/16 ORFS-3/8 BSP	4	
48	A259072	M.BRANCH TEE	1	9/16 SAE-11/16 ORFS
49	A259073	MALE CON. 3/8 BSPP - 9/16 ORFS	2	
50	A259074	SW. MALE CON.	1	1/4 BSPP-9/16 ORFS
51	A808038	GAUGE LINE ASSEMBLY	3	
52	A808039	GAUGE LINE ASSEMBLY	2	
53	A819193	HYD OIL FILTER	1	
*	A819194	• ELEMENT	1	
*	A229371	• O RING	1	FOR ELEMENT
*	A819608	• SENSOR	1	7/8" DIA THREAD
54	158006-13	FITTING-ORB/ORS	1	
55	158056-02	FTG-ORFS/O-RING TEE	2	
56	158059-03	FITTING 45 ORS/ORB	1	
57	459100236	3/8 BSP PLUGS.	4	PARALLEL THREAD.
58	GSF3260AA	PLUG	1	
59	W158006-01	FITTING ORS/ORB	2	
60	W158006-07	FITTING	15	
61	W158006-08	FITTING	1	
62	W158007-03	FITTING	3	
63	W158007-05	FITTING	15	
64	W158007-09	FITTING	1	
65	W69055-02	FITTING	1	
100	005312009	HOSE	1	
101	005312015	HOSE	1	
102	005312081	HOSE	1	
103	005610085	HOSE	1	
104	A782178	HYD.HOSE ASSEMBLY	1	
105	A782181	HYD.HOSE ASSEMBLY	1	
106	A784079	HYD.HOSE ASSEMBLY	1	
107	A784114	HYD.HOSE ASSEMBLY	1	
108	A785188	HYD.HOSE ASSEMBLY	1	
109	A799138	HOSE ASSY	1	
110	A799213	HOSE ASSY 3/8 ORFS/45 ORFS	1	
111	A799232	HYD.HOSE ASSEMBLY	1	
112	A799233	HYD.HOSE ASSEMBLY	2	
113	A799234	HYD.HOSE ASSEMBLY	1	
114	A799235	HYD.HOSE ASSEMBLY	1	
115	A799236	HYD.HOSE ASSEMBLY	2	
116	A799237	HYD.HOSE ASSEMBLY	1	
117	A799238	HYD.HOSE ASSEMBLY	1	
118	A799239	HYD.HOSE ASSEMBLY	1	
119	A799240	HYD.HOSE ASSEMBLY	1	
120	A799241	HYD.HOSE ASSEMBLY	1	
121	A799242	HYD.HOSE ASSEMBLY	1	
122	A799251	HYD.HOSE ASSEMBLY	2	
123	A799252	HYD.HOSE ASSEMBLY	1	

* Not Illustrated

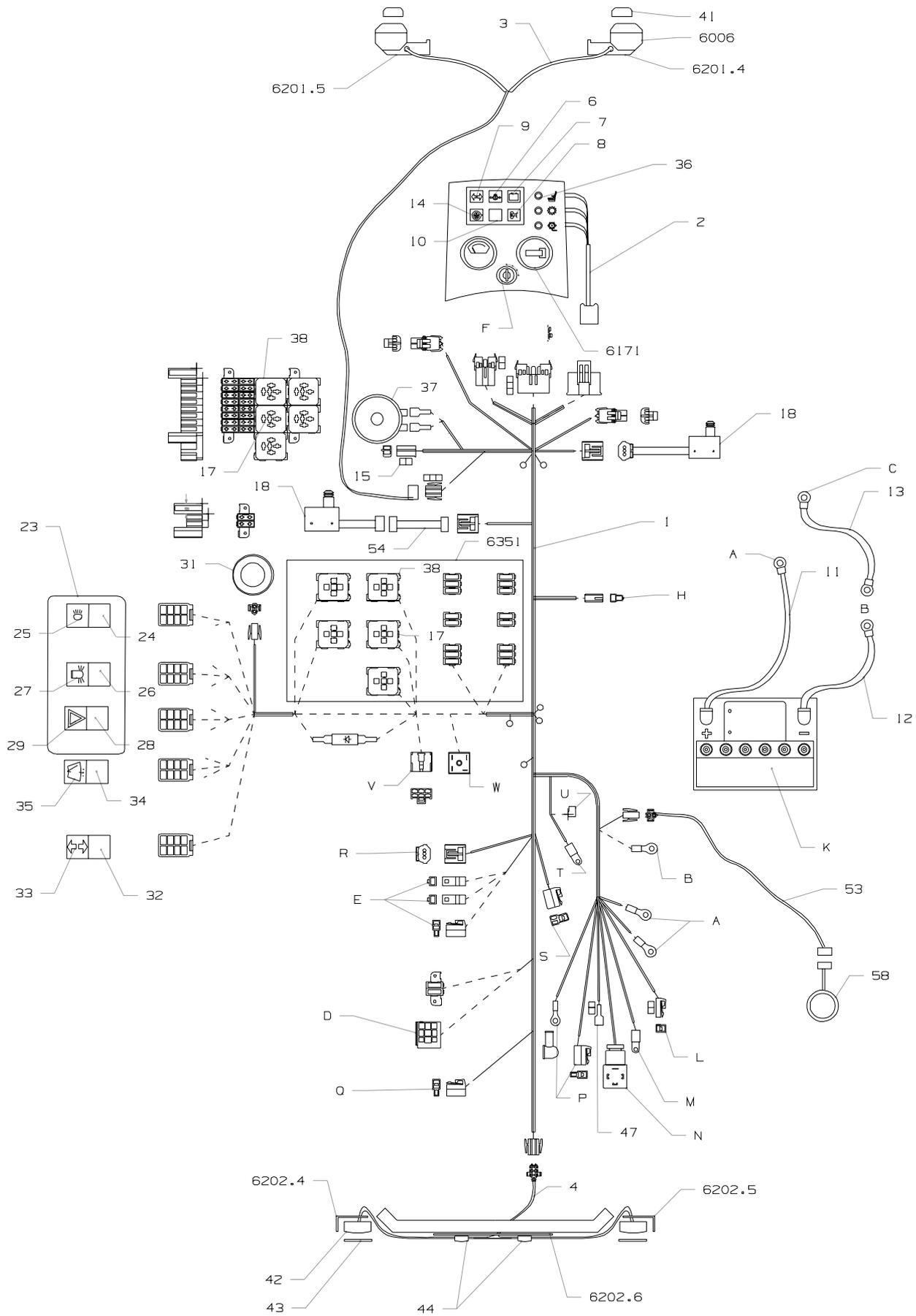
**RANSOMES
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ITEM	RANSOMES PART NO	DESCRIPTION GB	QTY	REMARKS
124	A799253	HYD.HOSE ASSEMBLY	2	
125	A799254	HYD.HOSE ASSEMBLY	2	
126	A799255	HYD.HOSE ASSEMBLY	2	
127	A799256	HYD.HOSE ASSEMBLY	1	
128	A799257	HYD.HOSE ASSEMBLY	1	
129	A799348	HOSE ASSY 1/4 ORFS/90 ORFS	1	
130	A799495	HOSE ASSY 3/4 ORFS/45 ORFS	1	
131	A799496	HOSE ASSY 3/4 ORFS/45 ORFS	1	
132	A799497	HOSE ASSY 5/8 ORFS/90 ORFS	1	
133	A799498	HOSE ASSY 5/8 ORFS/90 ORFS	1	
134	A799499	HOSE ASSY 1/2 ORFS/45 ORFS	1	
135	A799500	HOSE ASSY 1/2 ORFS/90 ORFS	1	
136	A799501	HOSE ASSY 1/2 ORFS/ORFS	1	
137	A799502	HOSE ASSY 1/4 ORFS/90 ORFS	2	
138	A799503	HOSE ASSY 1/4 ORFS/ORFS	1	
139	A799504	HOSE ASSY 1/4 ORFS/45 ORFS	1	
140	A799505	HOSE ASSY 1/4 90 ORFS/90 ORFS	1	
141	A799506	HOSE ASSY 1/4 ORFS/90 ORFS	1	
142	A799507	HOSE ASSY 1/4 ORFS/45 ORFS	1	
143	A799508	HOSE ASSY 1/4 ORFS/ORFS	1	
144	A799509	HOSE ASSY 1/4 ORFS/90 ORFS	1	
145	A799511	HOSE ASSY 1/4 ORFS/45 ORFS	1	
146	A799512	HOSE ASSY 1/4 ORFS/45 ORFS	1	
147	A799513	HOSE ASSY 5/8 ORFS/45 ORFS	1	
148	A908069	HYD.TUBE ASSEMBLY	1	
149	A908070	HYD.TUBE ASSEMBLY	1	
150	A908071	HYD.TUBE ASSEMBLY	1	
151	A908072	HYD.TUBE ASSEMBLY	1	
152	A908073	HYD.TUBE ASSEMBLY	1	
153	A908074	HYD.TUBE ASSEMBLY	1	
154	2692214-01	HOSE-3/8 ORS/ORS	1	

* Not Illustrated

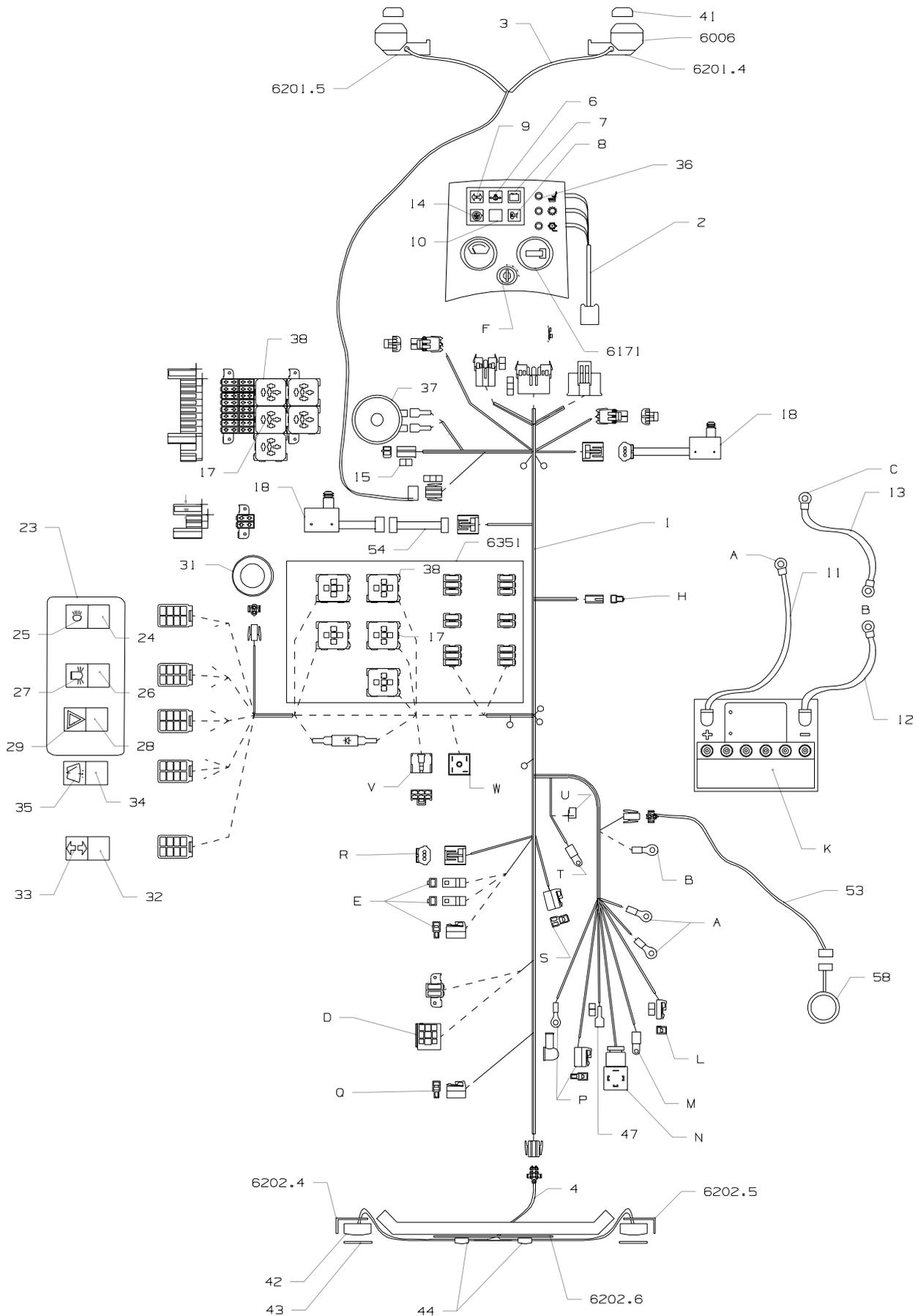
**RANSOMES
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ITEM	RANSOMES PART NO	DESCRIPTION GB	QTY	REMARKS
6005	EL027	ELECTRICAL KIT	1	
6005	EL028	ELECTRICAL KIT	1	
1	A905688	MAIN HARNESS	1	
2	A905471	WIRING HARNESS (BINNACLE)	1	
3	A905437	LIGHTING HARNESS	1	
4	A905399	REAR LIGHTING HARNESS	1	
5*	A823187	PILOT LAMP, TWIN, 12 VOLT	3	FOR ITEMS 6,7,8,9,10, &14
6	A829563	LENS, ENG. OIL PRESSURE	1	
7	A829564	LENS, BATTERY CHARGE RED	1	
8	A829565	LENS, ENG. PRE-HEAT GREEN	1	
9	A829562	LENS INSERT, DIRECTION IND	1	
10	A829566	LENS INSERT, RED	2	
11	A905472	BATTERY LEAD (+VE)	1	
12	A905473	BATTERY LEAD (-VE)	1	
13	A905435	STRAPPING LEAD	1	
14	A829571	LENS, ENG. OVERHEAT	1	
15	W038383	M/SWITCH V3 ECONO	1	
16*	A824454	RELAY	3	
17	A824465	FLASHER RELAY	1	
18	A905809	MICROSWITCH ASSY	2	
20*	A823316	FUSE 10 AMP	9	
21*	A823318	FUSE 20 AMP	1	
22*	A823320	FUSE 30 AMP	1	
23	A829569	SWITCH FRAME (3 WAY)	2	
24	A829533	ROCKER SWITCH	1	
25	A829552	LENS INSERT - HEAD / SIDE	1	
26	A829526	ROCKER SWITCH	1	
27	A823159	LENS INSERT - BEACON	1	
28	A829525	HAZARD SWITCH	1	
29	A829558	LENS INSERT - HAZARD		
30	A905469	SWITCH HARNESS	1	
31	A829854	SWITCH (PUSH BUTTON)	1	
32	A829572	ROCKER SWITCH	1	
33	A829573	LENS INSERT - DIR. INDICATOR	1	
34	A829529	ROCKER SWITCH	1	
35	A829556	LENS INSERT - WASH/WIPE	1	
36	A823188	LED 12V YELLOW, 5MM DIA	3	
37	A823972	HORN	1	
38	A824464	SEAT SWITCH DELAY	1	
41	A823178	INDICATOR LIGHT - FRONT	2	
42	A823180	LIGHT - REAR	2	
43	A823197	REFLECTOR - RED	2	
44	A823181	LIGHT - NUMBER PLATE	2	
45*	A823182	LIGHT BULB KIT	AR	
46*	A823317	FUSE 15 AMP	1	

* Not Illustrated

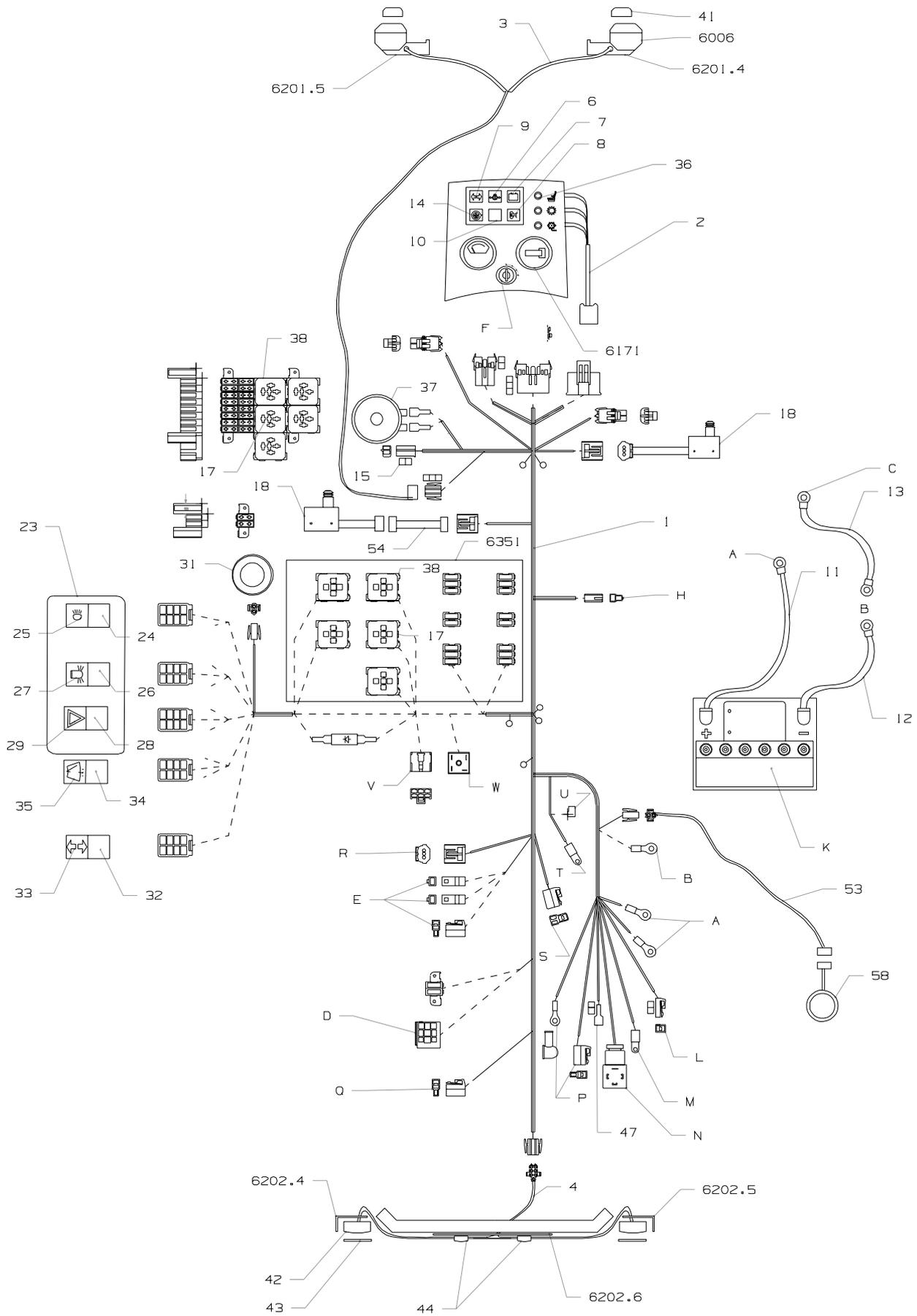
RANSOMES
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ITEM	RANSOMES PART NO	DESCRIPTION GB	QTY	REMARKS
47	A829579	THERMO SWITCH	1	
53	A905569	ROTATING BEACON HARNESS	1	
54	A905698	FOOT SWITCH EXTN HARNESS	1	
56*	A905532	SEAT CONNECTOR HARNESS	1	USE ON NON-SUSPENSION SEAT
57*	A829521	BLANKING PLUG	4	USE ON M/C WITHOUT LIGHTS
58	A823260	ROTATING BEACON	1	
6006	A823179	HEAD LIGHT	2	
6065*	MBE3894	RELAY/FUSE BRACKET	1	
6066*	MBG3956A	RELAY FUSE COVER	1	
6067*	MBE3504	MIC.SWITCH KEEP PLATE	1	
6171	A810958	HOUR METER, LCD. 3 TERMINAL	1	
6201	MBE0153	FRONT LIGHTS ASSY.	1	
6201.4	MBC9780	• LAMP BRACKET RH	1	
6201.5	MBC9777	• LAMP BRACKET LH	1	
6201.6*	A110304	• SCREW, M8 x 20	4	
6201.7 *	133208	• NUT, M8	4	
6201.8 *	A112105	• SCREW, M5 x 25	2	
6201.9 *	A112196	• SCREW, M5 x 16	2	
6201.10 *	A151005	• S.L.WASHER, 5 mm	4	
6201.11 *	A130005	• NUT, M5	4	
6201.12 *	A199235	• CLIP, 12-14 mm		
6201.13 *	A199211	• TIE, 140 x 3.6	1	
6202	MBE0154	REAR LIGHTS ASSY.	1	
6202.4	MBE2634B	• LIGHT BRACKET LH.	1	
6202.5	MBE2635B	• LIGHT BRACKET RH.	1	
6202.6	MBC9804A	• REAR REG. PLATE.	1	
6202.7*	MBE4016	• SPACER.	2	
6202.8 *	A110304	• SCREW, M8 x 20	4	
6202.9 *	A133208	• NUT, M8	4	
6202.10 *	A110296	• SCREW, M6 x 16	3	
6202.11 *	A133206	• NUT, M6	3	
6202.12*	A295316	• GROMMET	5	
6202.13 *	A112096	• SCREW, M4 x 16	4	
6202.14 *	A130004	• NUT, M4	4	
6202.15 *	A151004	• S.L.WASHER, 4 mm	4	
6202.16*	A199235	• CLIP, 12-14 mm	2	
6202.17 *	A199211	• TIE, 140 x 3.6	2	
6202.18 *	A150008	• WASHER, 8 mm	8	
6202.19 *	A112096	• SCREW, M4 x 16	4	
6202.20 *	A130004	• NUT, M4	4	
6202.21*	A150004	• WASHER, 4 mm	4	
6301*	A199211	TIE, 140 X 3.6	21	
6302*	680001941	CABLE TIE	8	
6303*	A199201	TIE, 12.7 X 230	2	

* Not Illustrated

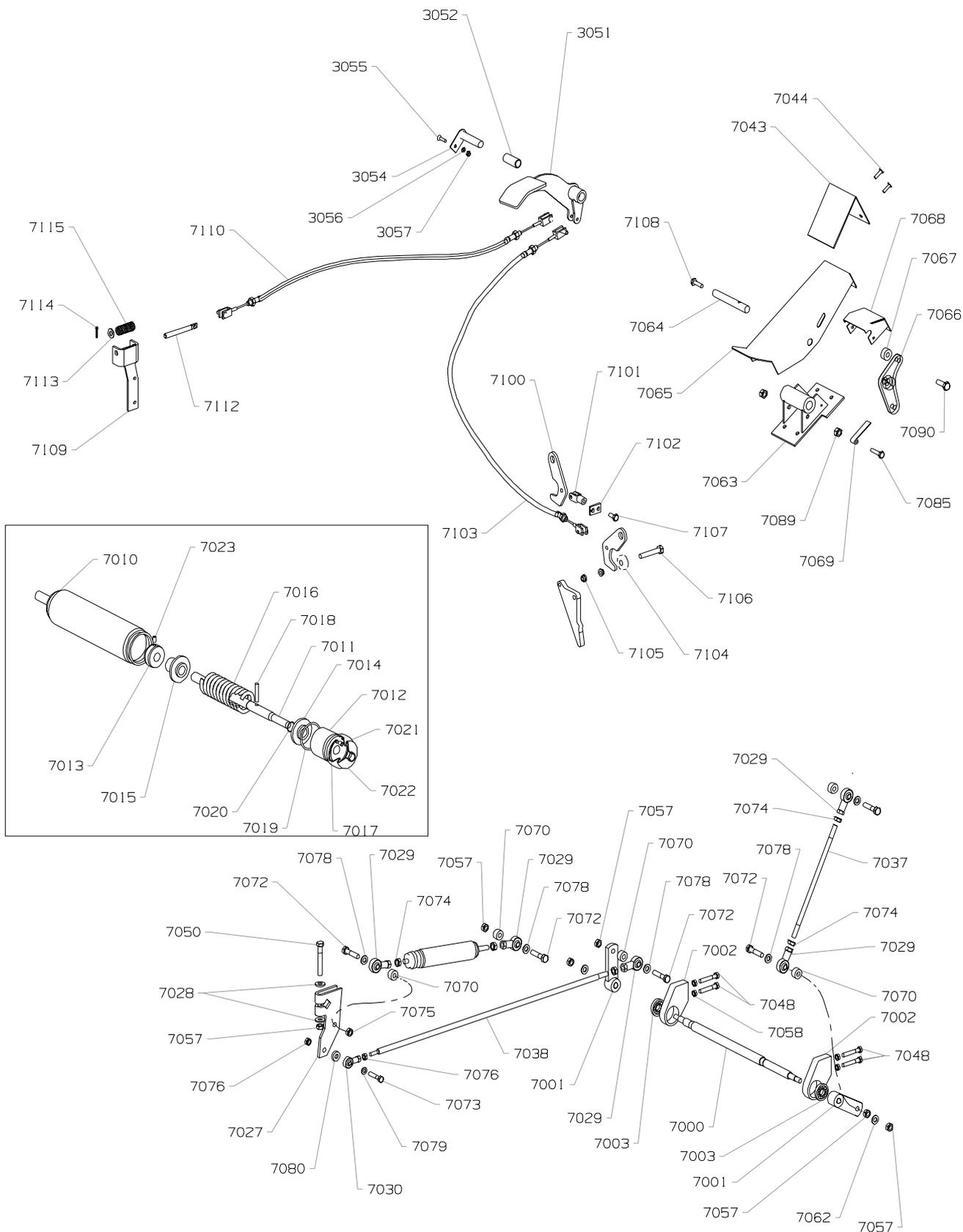
**RANSOMES
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ITEM	RANSOMES PART NO	DESCRIPTION GB	QTY	REMARKS
6310	A903926	COLOUR CODING SPOT KIT	0.2	
6350	MBE3979	DIODE BRACKET	1	
6351	MBG3951	PLATE, RELAY	1	
6352	MBE3895A	COVER FOR RELAY PLATE	1	
6353	A913498	CORRUGATED CONDUIT 20MM	0.1	
6360	H980407	HOSE CLIP FOR FLASHER	1	
6401	450191	SCREW, M8 X 20, HEX HD	2	
6402	450378	NUT M8 NYLOC	A/R	
6403	A181423	SCREW, M3 X 10	4	
6404	A182003	NUT M3	4	
6405	A186303	WASHER, 3MM	4	
6406	450171	SCREW, M6 X 20, HEX HD	1	
6407	450377	NUT, M6 NYLOC	1	
6408	A119210	SCREW, M3 X 40	2	
6409	A182003	NUT, M3	2	
6410	A186303	WASHER, 3MM	2	
A		TO STARTER MOTOR		
B		CHASSIS EARTH		
C		TO ENGINE MOUNT		
D	A824463	RELAY 12V 70AMP	1	
E	16259-60250	RELAY	1	EX KUBOTA
F	37410-59110	KEY SWITCH COMPLETE	1	EX KUBOTA
G	19488-83030	TEMPERATURE GAUGE	1	EX KUBOTA
H	DT0635	PLUG	1	DEUTSCH
J	A823343	RELAY/FUSE MOUNT KIT	AR	
K		BATTERY	1	TYPE 092 OR 093
L		STARTER SOLENOID		HARNESS CONNECTOR
M		OIL PRESSURE SENDER		HARNESS CONNECTOR
N		HYD OIL FILTER SENDER		HARNESS CONNECTOR
P		ALTERNATOR.		HARNESS CONNECTOR
Q		FUEL PUMP		HARNESS CONNECTOR
R	A905812	MICROSWITCH	1	FOR MOW VALVE
S		STOP SOLENOID		HARNESS CONNECTOR
T		HEATERS		HARNESS CONNECTOR
U		ENG TEMP SENDER		HARNESS CONNECTOR
V		HEATER TIMER		HARNESS CONNECTOR
W		DIODE BRIDGE		HARNESS CONNECTOR

* Not Illustrated

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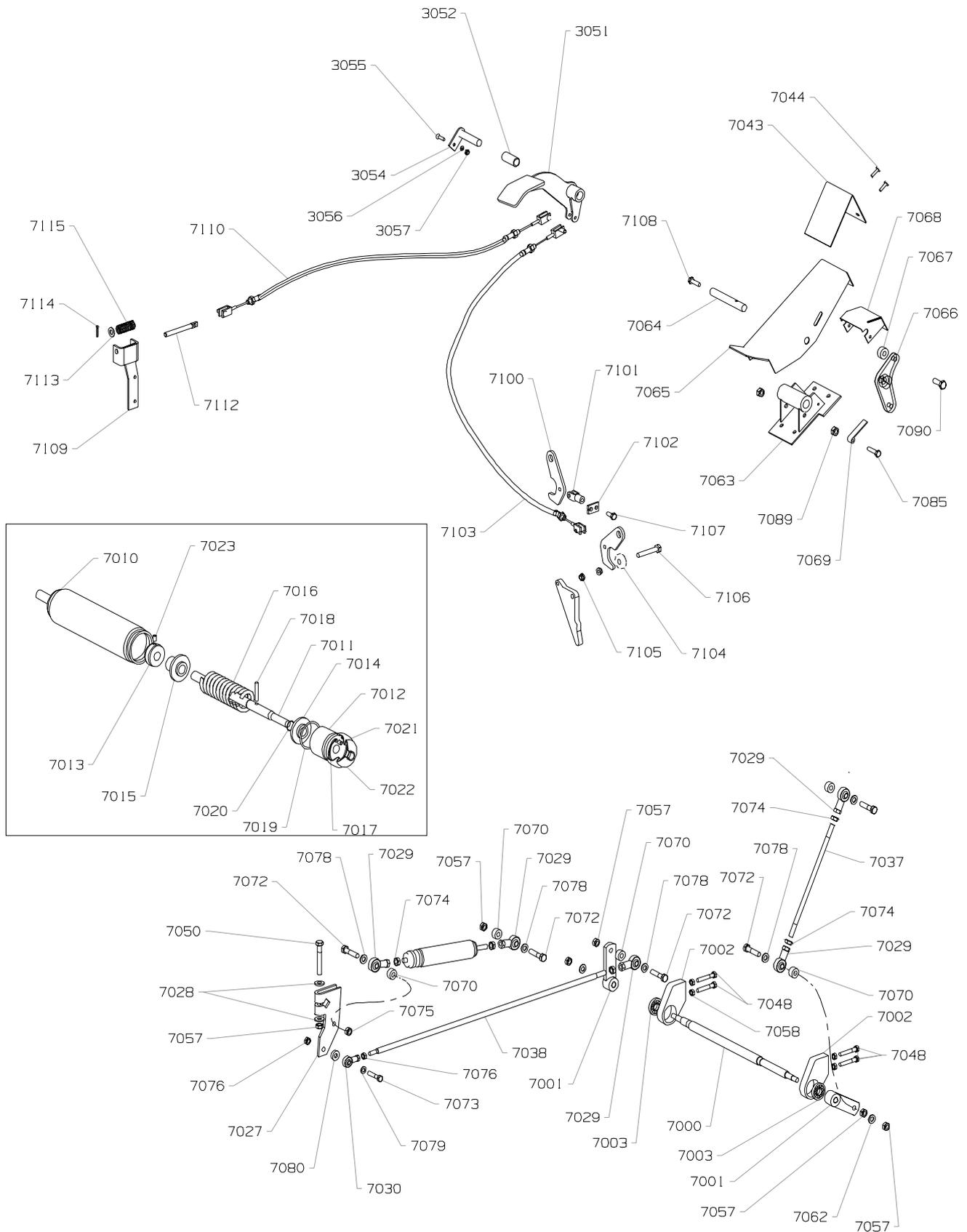
CONTROLS

LIST OF PARTS

ITEM	RANSOMES PART NO	DESCRIPTION GB	QTY	REMARKS
3051	MBF1408	LATCH PEDAL W/ASSY.	1	
3052	A210115	BUSH, 16 ID X 20 OD X 16 LG	2	
3053*	A299301	LUBRICATOR	1	
3054	MBE1876B	PIVOT PIN W/ASSY.	1	
3055	450171	SCREW M6 x 20 (for 3054)	1	
3056	450389	WASHER M6	1	
3057	450377	NUT M6 NYLOC	1	
7000	MBE2472A	SPINDLE.	1	
7001	MBE2471A	LEVER.	2	
7002	MBE2470A	BRACKET	2	
7003	A203603	BEARING 17 ID X 40 OD X 12 WIDE	2	
7004*	451970	INT CIRCLIP 40MM	4	
7005*	452145	KEY, 4 X 4 X 12	2	
7009*	MBG3928DG	DAMPER CTRL ASSY	1	
7010	MBE2483B	PISTON ROD	1	
7011	MBE2484C	PISTON ROD	1	
7012	MBE2483B	END CAP	1	
7013	MBE2486A	PISTON	1	
7014	MBE2495A	REACTION SLEEVE	1	
7015	MBE2485A	REACTION SLEEVE	1	
7016	A291117	COMPRESSION SPRING	1	
7017	451962	INT CIRCLIP, 32MM	1	
7018	451581	TENSION PIN, 3 X 20	1	
7019	A221214	'O' RING	1	
7020	A221012	'O' RING	1	
7021	450515	SETSCREW, M4 X 8, PAN HD	1	
7022	A913485	GAITER	1	
7023	450950	SETSCREW, M5 X 6, CUP PNT	1	
7025*	030711131	OIL TELLUS 46	A/R	
7027	MBE4014B	LEVER (PUMP)	1	
7028	MBC8846	WASHER	2	
7029	A814545	ROD END	5	
7030	A814511	ROD END	1	
7037	MBF0413	CONNECTING ROD	1	
7038	MBE4081	CONTROL ROD	1	
7043	MBG0964A	TOE PLATE	1	
7044	450542	SCREW, M6 X 20 PAN HD	2	
7045*	450323	NUT, M6	2	
7046*	450410	S.L.WASHER, M6	2	
7047*	450172	SCREW, M6 X 25, HEX HD	1	
7048	450018	BOLT, M8 X 50, HEX HD	4	
7050	450036	BOLT, M10 X 70, HEX HD	1	

* Not Illustrated

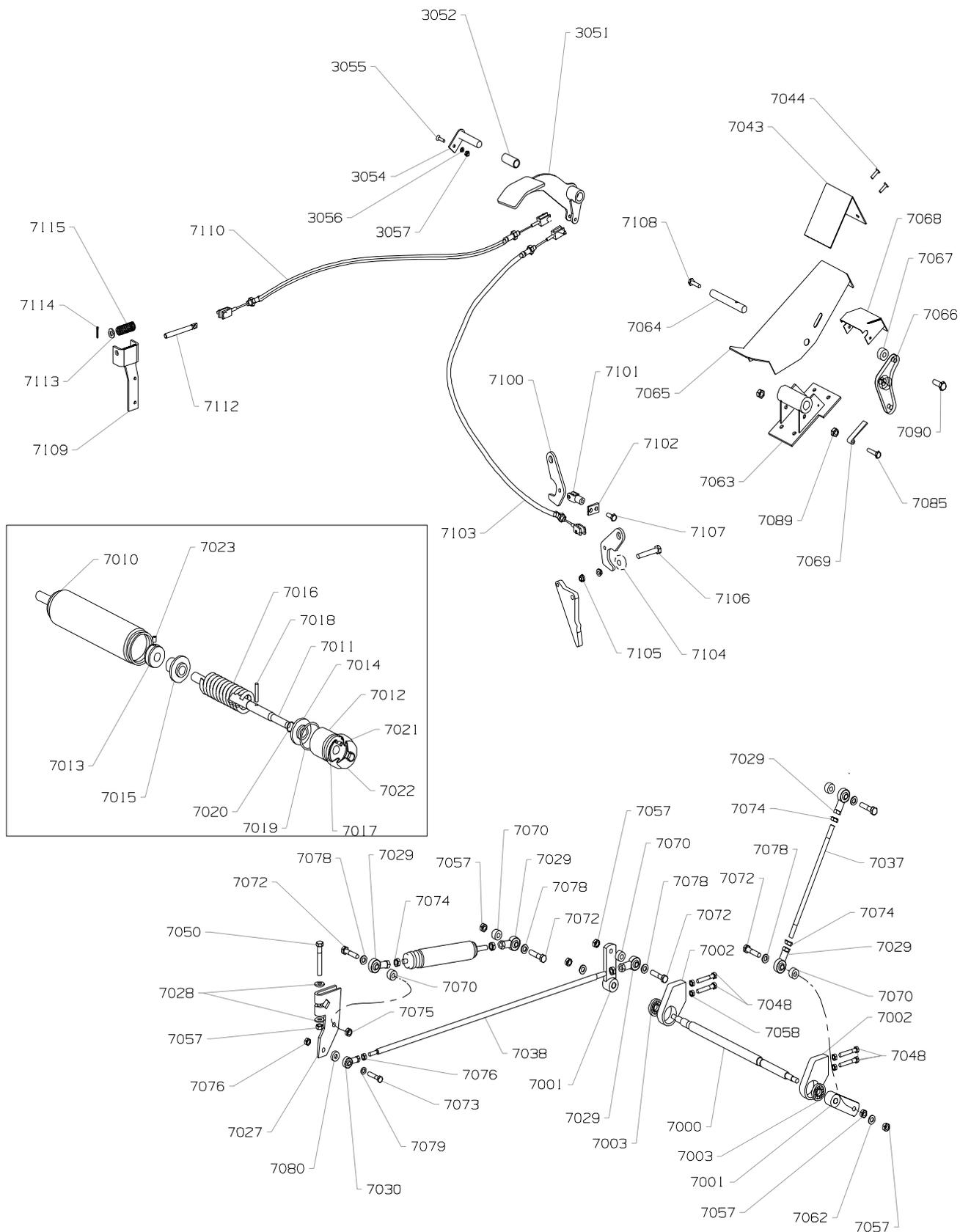
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ITEM	RANSOMES PART NO	DESCRIPTION GB	QTY	REMARKS
7051	450192	SCREW, M8 X 25, HEX HD	6	
7052*	H052013	LOCTITE	A/R	
7053*	450321	NUT, M4	2	
7054*	450377	NUT, M6 NYLOC	1	
7056*	450378	NUT, M8 NYLOC	A/R	
7057	450379	NUT, M10 NYLOC	8	
7058	450324	NUT, M8	7	
7059*	450325	NUT, M10	5	
7060*	450411	S.L.WASHER, M8	2	
7061*	450390	WASHER, M8	A/R	
7062	MBC8846	WASHER	2	
7063	MBF0101A	PEDAL BRACKET	1	
7064	MBG0267	SHAFT	1	
7065	MBF0106A	FOOT PEDAL W/A	1	
7066	MBF1406	FOOTPEDAL LEVER	1	
7067	MBG1934	SPACER	1	
7068	MBG2499	COVER MICROSWITCH	1	
7069	MBF0105	LEVER	1	
7070	MBE3042	SPACER	3	
7071*	MBE3043	SPACER	1	
7072	450031	BOLT M10 x 45	5	
7073	450016	BOLT M8 x 40	3	
7074	450325	NUT M10	5	
7075	450324	NUT M8	3	
7076	450378	NUT M8 NYLOC	A/R	
7077*	450379	NUT, M10 NYLOC	6	
7078	450391	WASHER M10	6	
7079	450390	WASHER M8	A/R	
7080	MBE3166	SPACER	1	
7081*	450031	BOLT, M10 X 45 HEX HD	A/R	
7082*	450325	NUT, M10	A/R	
7083*	450379	NUT M10, NYLOC	A/R	
7084*	450391	WASHER, M10	A/R	
7085	450016	BOLT, M8 X 40, HEX HD	A/R	
7086*	450378	NUT, M8 NYLOC	A/R	
7087*	451683	TENSION PIN, 6 X 32	A/R	
7089	MBF0158	EXTENDED NUT	1	
7090	450029	BOLT, M10 X 35, HEX HD	1	
7100	MBF1358B	LEVER LATCH	2	FOR DIVERTOR VALVES 2&3
7101	A194903	CLEVIS, M8	1	
7102	MBG3789	CABLE BRACKET	1	
7103	A906760	FRONT DIVERTOR LATCH CABLE	1	
7104	A203601	BEARING, 12 X 32 X 10	2	
7105	MBF0737	BEARING SPACER	4	
7106	450020	BOLT, M8 X 60, HEX HD	2	
7107	450190	SCREW, M8 X 16, HEX HD	1	

* Not Illustrated

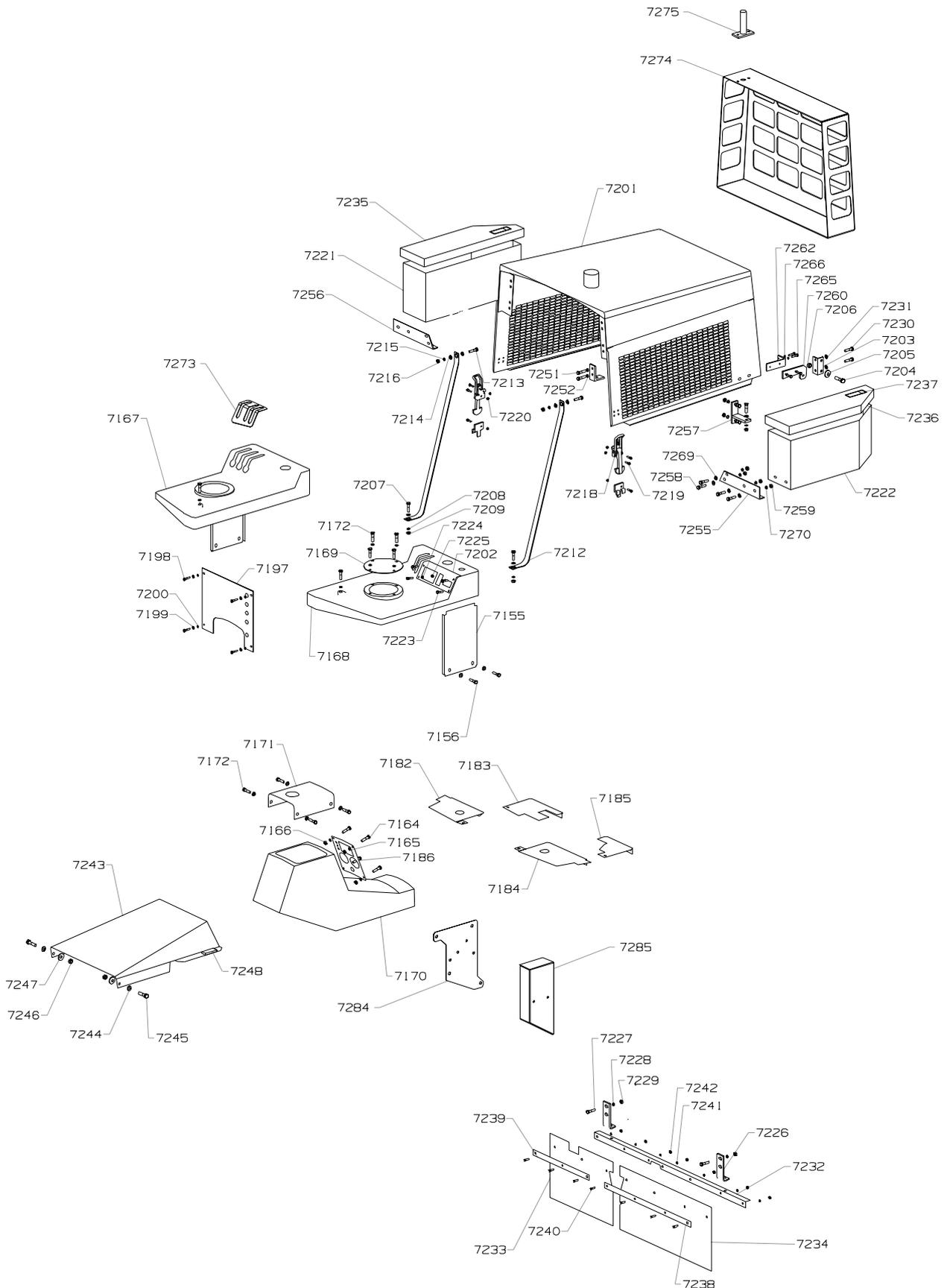
**RANSOMES
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ITEM	RANSOMES PART NO	DESCRIPTION GB	QTY	REMARKS
7108	450194	SCREW, M8 X 35, HEX HD	1	
7109	MBG3788	LATCH BRACKET	1	
7110	A906759	CENTRE DIVERTOR LATCH CABLE	1	
7111*	450017	BOLT, M8 X 45 HEX HD	2	
7112	MBF1387A	LOCKING PIN	1	
7113	450391	WASHER M10	1	
7114	451241	SPLIT PIN, 3.2 X 22	1	
7115	A291089	COMP SPRING 1/2 OD X 2 LONG	1	
7116*	MBE4053	SPACER	2	
7117*	A292085	DISC SPRING	2	
7118*	461001736	SPRING	2	1 FOR 7100
7120*	450378	NUT, M8 NYLOC	5	
7121*	450390	WASHER, M8	5	

* Not Illustrated

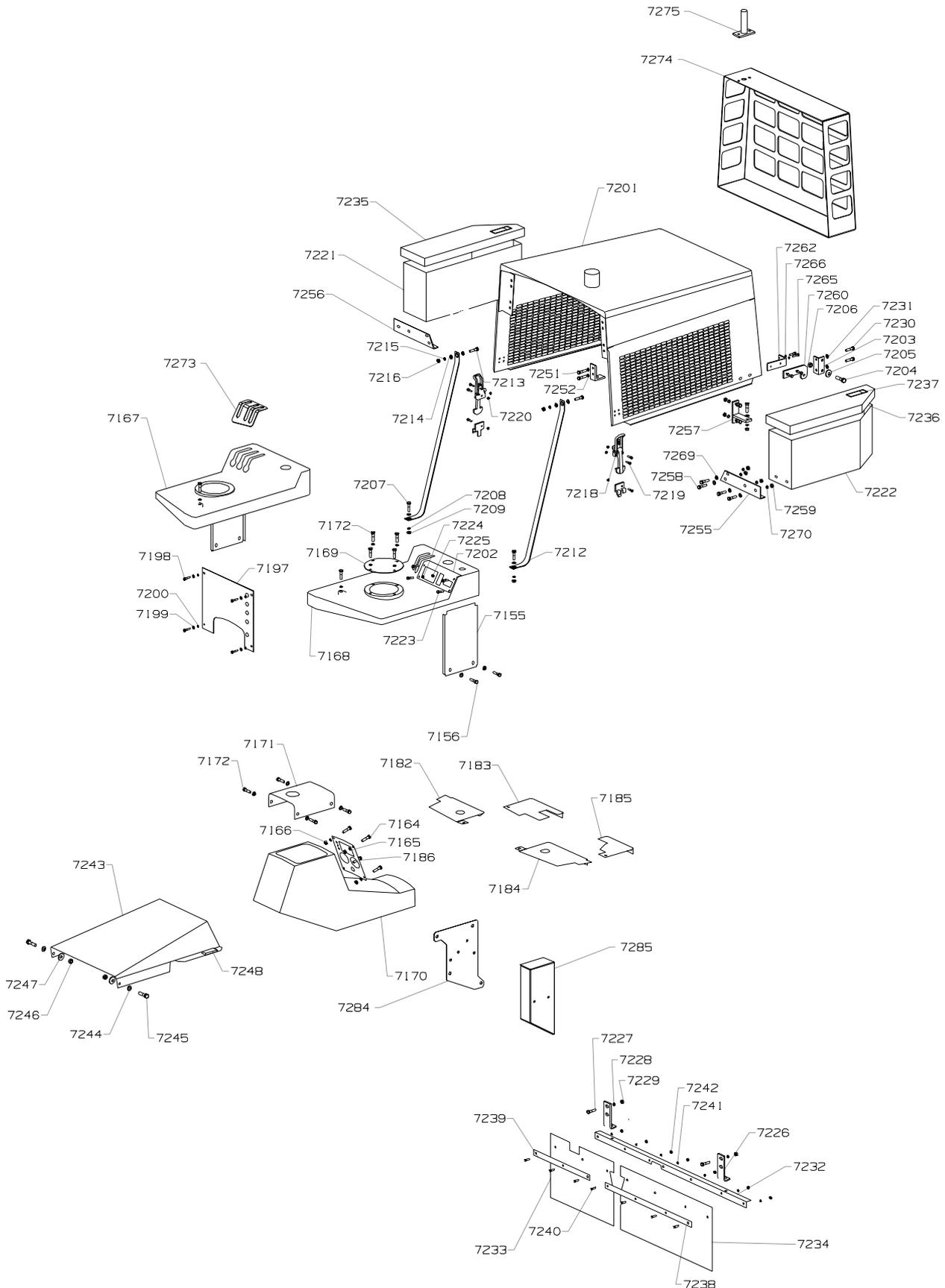
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ITEM	RANSOMES PART NO	DESCRIPTION GB	QTY	REMARKS
7151*	450552	SCREW M8 x 20 PAN HD	A/R	
7152*	450390	WASHER M8	A/R	
7153*	450552	SCREW M8 x 20 PAN HD	A/R	
7154*	450390	WASHER M8	A/R	
7155	MBB7964	PANEL	2	
7156	450552	SCREW M8 x 20 PAN HD	A/R	
7157*	FGK001	COVERS KIT	1	
7158*	H060104	BEADING	0.310	
7159*	469022273	CLIP	6	
7162*	A913110	DISC	1	
7163*	A139400	NUT M8	A/R	
7164	450192	SCREW M8 x 25, HEX HD	A/R	
7165	450411	S.L.WASHER M8	A/R	
7166	450324	NUT M8	A/R	
7167	A904912	FUEL TANK COVER	0	PART OF KIT FGK001
7168	A913433	HYD.TANK COVER	0	PART OF KIT FGK001
7169	A913124	COVER	0	PART OF KIT FGK001
7170	A913436	CENTRE CONSOLE	0	PART OF KIT FGK001
7171	MBC5476	COVER	1	
7172	450551	SCREW M8 x 16, PAN HD	0	
7174*	450214	SCREW M10 x 25, HEX HD	A/R	
7175*	452437	NUT FLANGED M10 NYLOC	A/R	
7176*	A292083	DISC SPRING	2	
7177*	A199055	LATCH	2	
7178*	A295323	GROMMET	1	
7179*	A907208	SPECIAL WASHER	2	
7180*	H060104	BEADING	0.4	
7181*	H060104	BEADING	0.3	
7182	MBC7742A	PANEL R.H. FRONT	1	
7183	MBC7743B	PANEL R.H. REAR	1	
7184	MBC7744A	PANEL L.H. FRONT	1	
7185	MBC7745B	PANEL L.H. REAR	1	
7186	MBE4513	CONSOLE PLATE.	1	
7187*	A139401	NUT M6	A/R	
7188*	452692	SCREW M6 x 12, HEX TAPTITE	A/R	
7190*	450539	SCREW M6 x 12 PAN HD	A/R	
7191*	450389	WASHER M6	A/R	
7192*	A295324	GROMMET	2	
7194*	IAC001A	ACOUSTIC PAD KIT	1	
7195*	450390	WASHER M8	A/R	
7197	MBE3216	GAUGE PANEL.	1	
7198	A119028	SCREW M6 x 20	4	
7199	450389	WASHER M6	4	

* Not Illustrated

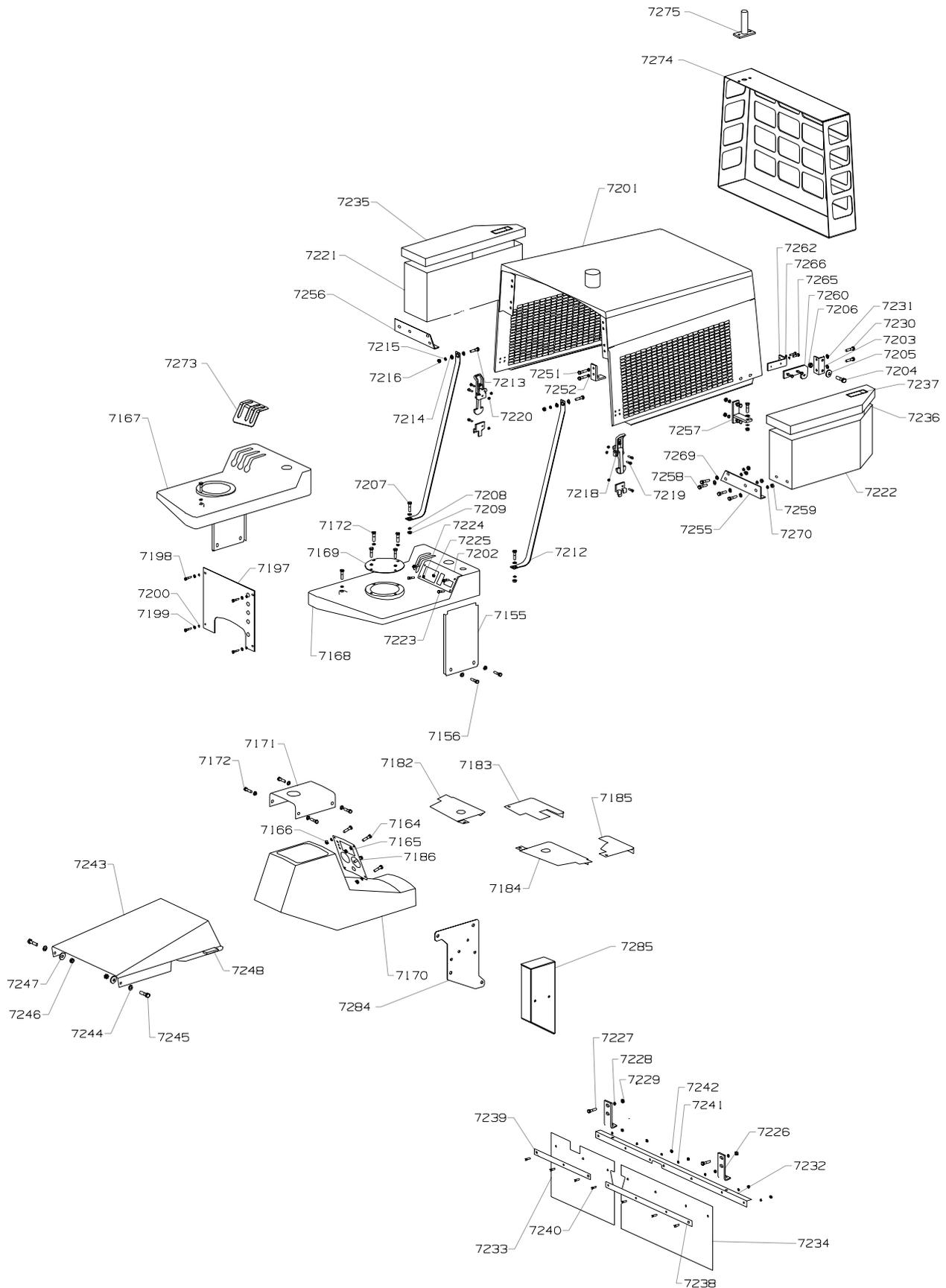
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ITEM	RANSOMES PART NO	DESCRIPTION GB	QTY	REMARKS
7200	450410	S.L.WASHER M6	4	
7201	MBE3060D	ENGINE COVER W/ASSY	1	
7202	MBE4022	TANK PLATE	1	
7203	MBE3169A	HINGE BRACKET.	2	
7204	450215	SCREW M10 x 30 HEX HD	A/R	
7205	A292083	DISC SPRING	2	
7206	452437	M10 NUT, FLANGED NYLOC	A/R	
7207	450191	SCREW M8 x 20 HEX HD	A/R	
7208	450411	S.L.WASHER M8	A/R	
7209	450324	NUT M8	A/R	
7210*	A298936	DOOR SEAL	0.630	
7211*	450369	NUTSERT, M8 A-L 1ST GRIP	2	
7212	A904911	STRAP ASSY.	2	
7213	450192	SCREW M8 x 25, HEX HD	4	
7214	450390	WASHER M8	A/R	
7215	450411	S.L.WASHER M8	A/R	
7216	452436	FLANGED NYLOC NUT M8	A/R	
7218	A199034	TOGGLE FASTENER	2	
7219	450605	SCREW M5 x 12 CSK HEAD	0	
7220	450376	NYLOC NUT M5	A/R	
7221	MBE3442B	BOX W/ASSY RH	1	
7222	MBE3443B	BOX W/ASSY LH	1	
7223	452542	BOLT M6 x 20 SQ NECK	A/R	
7224	450410	S.L.WASHER M6	A/R	
7225	450323	NUT M6	A/R	
7226	MBE3281	BRACKET.	2	
7227	450191	SCREW M8 x 20 HEX HD	A/R	
7228	450411	S.L.WASHER M8	A/R	
7229	450324	NUT M8	A/R	
7230	450192	SCREW M8 x 25 HEX HD	A/R	
7231	450390	WASHER M8	A/R	
7232	MBC2483	ANGLE SUPPORT	1	
7233	A904201	FLAP LH	1	
7234	A904200	FLAP RH	1	
7235	MBE3450A	LID W/ASSY RH	1	
7236	MBE3452A	LID W/ASSY LH	1	
7237	A199058	LATCH	2	
7238	MBC2482	STRIP RH	1	
7239	MBC2481	STRIP LH	1	
7240	450000	BOLT M6 x 25 HEX HD	7	
7241	450410	S.L.WASHER M6	7	
7242	450323	NUT M6	7	
7243	MBC7695	FRONT COVER	1	
7244	A907208	SPECIAL WASHER	2	
7245	450214	SCREW, M10 X 25, HEX HD	2	
7246	452437	NUT, M10 FLANGED NYLOC	2	
7247	A292083	DISC SPRING WASHER	2	

* Not Illustrated

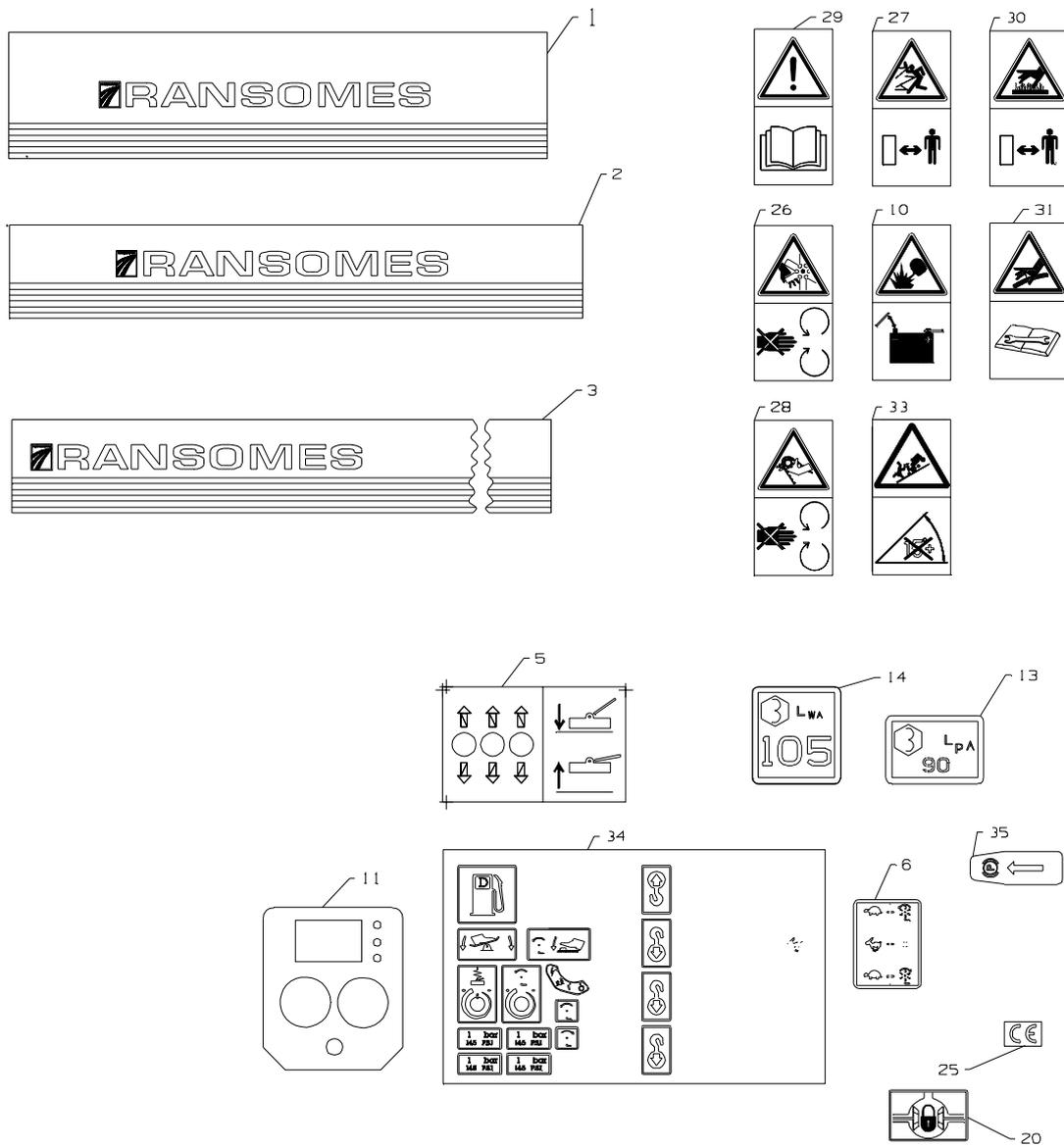
**RANSOMES
HIGHWAY 213
Series VL & VK**



ITEM	RANSOMES PART NO	DESCRIPTION GB	QTY	REMARKS
7248	A199055	LATCH	2	
7251	450191	SCREW M8 x 20 HEX HD	4	
7252	450411	S.L.WASHER M8	4	
7254*	450324	NUT M8	2	
7255	MBE3750	ANGLE RH.	1	
7256	MBE3762	ANGLE LH.	1	
7257	MBE3661A	BRACKET W/ASSY.	2	
7258	450192	SCREW M8 x 25 HEX HD	14	
7259	450324	NUT M8	14	
7260	MBE3062A	HINGE RH.	1	
7261*	MBE3612A	CORNER BRACKET RH	1	
7262	MBE3614A	CORNER BRACKET LH	1	
7265	450170	SCREW M6 x 16	8	
7266	450410	S.L.WASHER M6	8	
7269	450390	WASHER M8	A	
7270	450411	S.L.WASHER M8	14	
7271*	MBE3063A	HINGE LH	1	
7272*	A295286	ROUND INSERT	4	
7273	MBG0598	LEVERS COVER	1	
7274	MBG1334B	BONNET GUARD	1	
7275	MBF0529	BEACON SUPPORT	1	
7276*	MBG1426A	SPACER 25 OD X 91 DIA X 16 LG	2	
7277*	MBG1427	SPACER 25 OD X 71 DIA X 16 LG	4	
7278*	450015	BOLT, M8 X 35, HEX HD	2	
7279*	450001	BOLT, M6 X 30, HEX HD	4	
7280*	450191	SCREW, M8 X 20, HEX HD	2	
7281*	450324	NUT, M8	7	
7282*	450411	S.L.WASHER, M8	2	
7284	MBF0571A	VALVE PLATE W.A.	1	
7285	MBG1429A	COVER	1	
7286*	MBG1447	SPACER 20 OD X 9 ID X 12 LG	2	
7287*	MBG1448	SPACER 20 OD X 9 ID X 7 LG	2	
7288*	450022	BOLT, M8 X 70, HEX HD	2	
7289*	450390	WASHER, M8	2	
7290*	450411	S.L.WASHER, M8	4	
7291*	450016	BOLT, M8 X 40, HEX HD	2	

* Not Illustrated

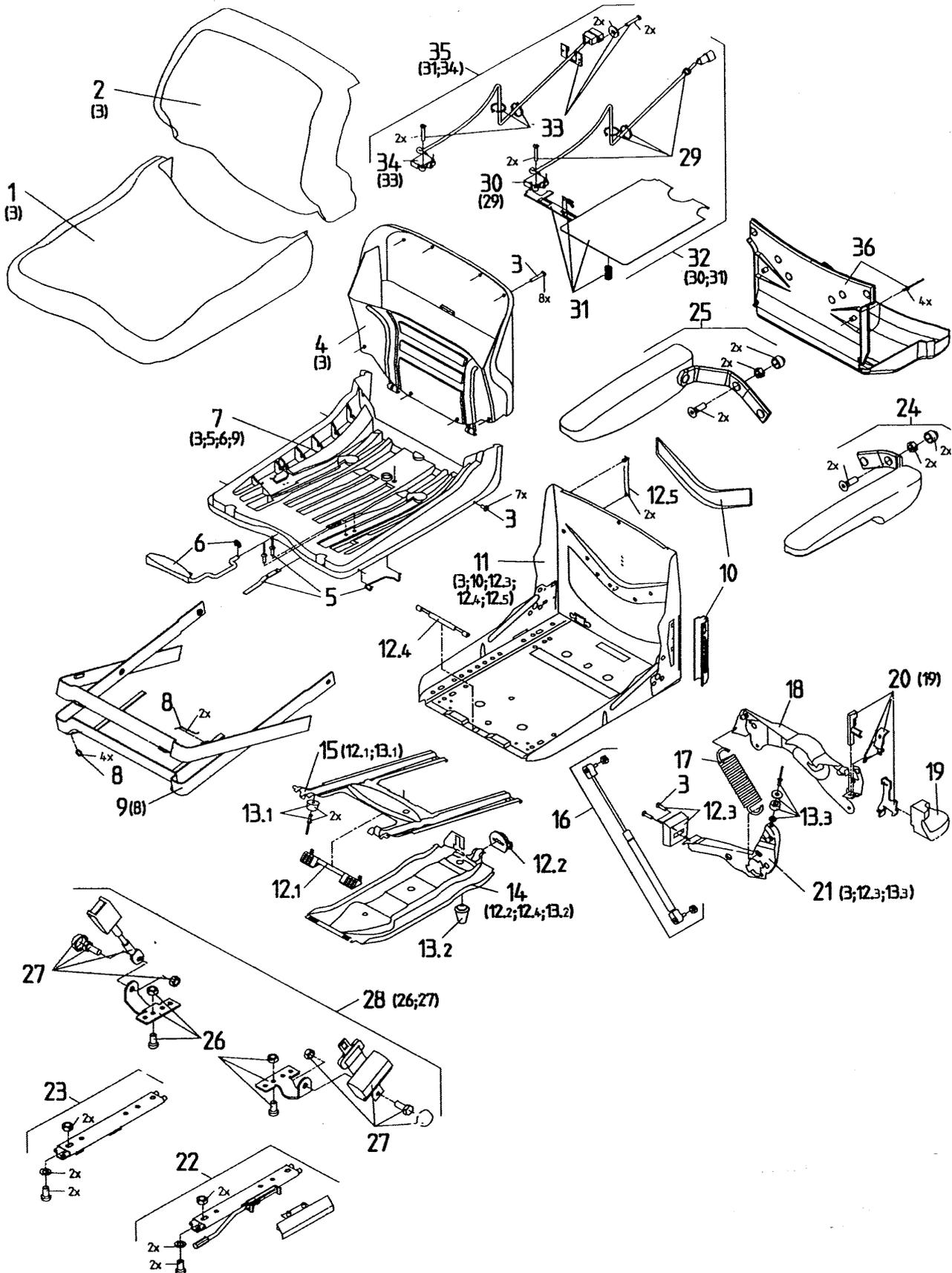
RANSOMES
HIGHWAY 213
Series VL & VK



ITEM	RANSOMES PART NO	DESCRIPTION 	QTY	REMARKS
8001*	A127000	SCREW NO.6 x 3/8	0	
8003*	IDL008D	DECAL KIT-MOTOR 213D	1	
1	009036690	BONNET DECAL	1	
2	009036700	DECAL REAR COVER R.H.	1	
3	009036710	DECAL REAR COVER L.H.	1	
5	009039780	DECAL LIFT LEVER	1	
6	009039920	CYL-TRANS,DIRECTION DECAL	1	
10	009114100	DECAL-BATTERY	1	
11	009034850	CONSOLE DECAL	1	
13	009034740	DECAL-NOISE 90	1	
14	009034770	DECAL-NOISE 105	1	
15*	009038610	DECAL TEST PORTS	1	
16*	009034840	HORN LABEL	1	
17*	009034800	LABEL	1	
18*	009033014	LABEL A903301	1	
20	009114080	DECAL :AXLE DIFFLOCK	1	
21*	009039790	DECAL UNIT LOCK	1	
24*	009034780	DECAL:HYD FILTER	1	
25	009039290	C E DECAL	1	
26	009034880	DECAL-FAN	1	
27	009034890	DECAL-BYSTANDER	1	
28	009034900	DECAL :BELT	1	
29	009034910	DECAL-INSTRUCTION	1	
30	009034920	DECAL :HOT	2	
31	009034930	DECAL-HYD PRESS LEAK	2	
32*	009039850	DECAL CYL SPEED	1	
33	009114160	DECAL-SLOPE 15 DEG	1	
34	009033420	SET OF DECAL:	1	
35	009039400	DECAL, PARKING BRAKES	1	
8015*	MBG4005	NAMEPLATE HW213		
8018*	MBG4004	HIGHWAY213(TUV PLATE)	1	
8019*	GSF1090ED	DRIVE SCREW	2	
8021*	A903579	LABEL PLASTIC FRONT	1	
8022*	A139913	STAR RING 6mm	2	

* Not Illustrated

RANSOMES
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SEAT BREAKDOWN MSG 20

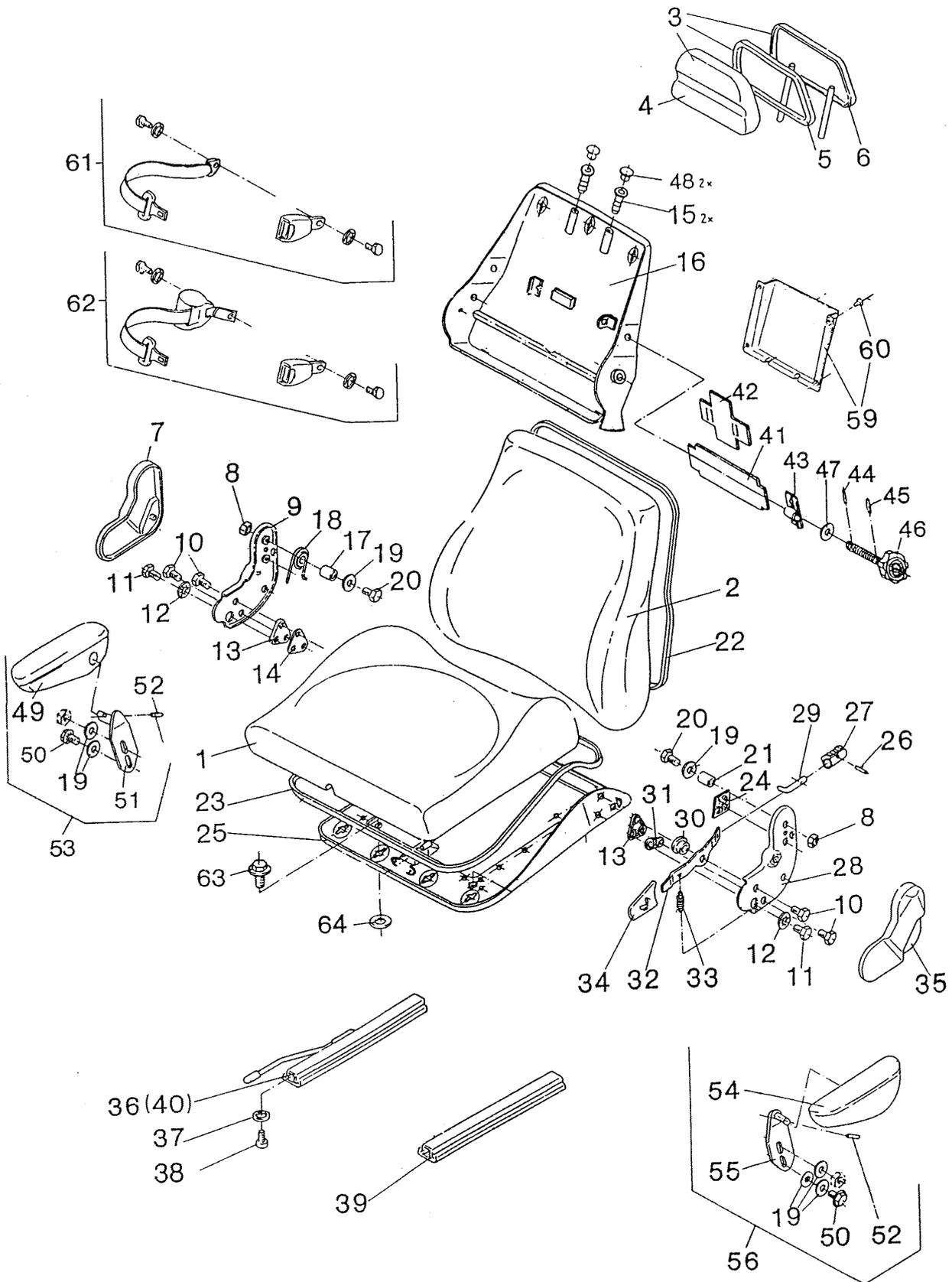
LIST OF PARTS

GRAMMER MSG 20

ITEM	RANSOMES PART NO	DESCRIPTION GB	QTY	REMARKS
1	A819938	Seat complete	1	MSG20
2		Seat Cushion	1	
3		Backrest Cushion	1	
4		Fixing Parts	3	
5		Backrest Plate	1	
6		Spring Set	1	
7		Adjustment Lever	1	
8	A819950	Seat Pan	1	
9	A819951	Repair Kit	1	
10		Cover	1	
11		Repair Kit	1	
12	A819953	Seat Frame	1	
13		Set of Wear Parts	1	
14		Bumper Set	1	
15		Inner Swingarm	1	
16		Outer Swignarm	1	
17		Shock Absorber	1	
18		Tension Spring	1	
19		Weight Adjustment Lever	1	
20		Handle	1	
21		Handle	1	
22		Lever	1	
23		Adjustment Rail	1	
24		Rail Additional	1	
25		Armrest	1	
26		Armrest	1	
27		Link	1	
28		Safety Belt	1	
29		Safety Belt	1	
30	A819952	Fixing Parts	1	
31	A819963	Switch	1	
32		Repair Kit	1	
		Switch	1	

* Not Illustrated

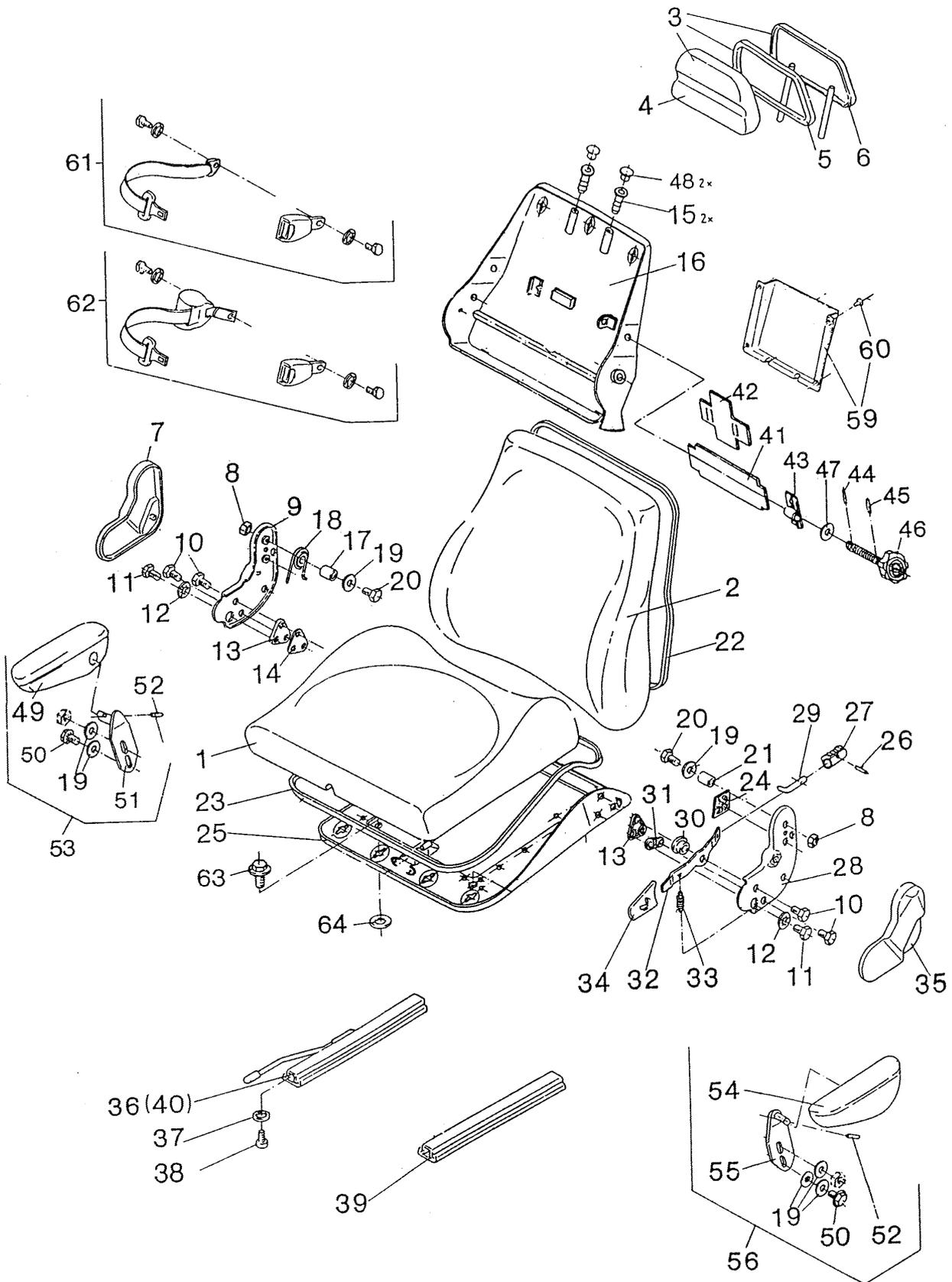
RANSOMES
HIGHWAY 213
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ITEM	RANSOMES PART NO	DESCRIPTION GB	QTY	REMARKS
	A819940	SEAT ASSY COMPLETE	1	INCLUDING SUSPENSION
1	A819945	SEAT CUSHION	1	
2	A819946	BACK REST CUSHION	1	
3	A819956	HEAD REST ASSY.	1	
4	A819947	HEAD REST CUSHION	1	
5	A817352	EDGE STRIP	1	
6	N/A	HEAD REST FRAME	1	
7	A819961	COVER RH	1	
8	A817337	NUT	2	
9	A817338	MOUNTING RH	1	
10	A817339	SCREW	4	
11	A817340	SCREW	2	
12	A817341	SP WASHER	2	
13	A817342	DISTANCE PLATE	2	
14	A817343	DISTANCE PLATE	1	
15	A817344	BUSH	2	
16	A819969	BACK PLATE	1	
17	A817345	TUBE	1	
18	A817346	SPRING	1	
19	A817347	WASHER	2	
20	A817348	SCREW	2	
21	A817349	TUBE	1	
22	A817350	EDGE STRIP	1	
23	A817351	EDGE STRIP	1	
24	A817353	DISTANCE PIECE	1	
25	A817354	SEAT PLATE	1	
26	A819965	PIN	1	
27	A819966	DETENT	1	
28	A817355	MOUNTING LH	1	
29	A819967	ROD	1	
30	A817356	BUSH	1	
31	A817357	DISTANCE PIECE	1	
32	A817335	LEVER	1	
33	A817336	SPRING	1	
34	A819986	HANDLE	1	
35	A817358	COVER LH	1	
36	A819964	RAIL WITH LEVER	1	
37	A817359	WASHER	4	
38	A817360	SCREW	4	
39	A819975	RAIL	1	
41	A817361	PLATE	1	
42	A817362	PLATE	1	
43	A819970	NUT	1	
44	A819971	PIN	1	

* Not Illustrated

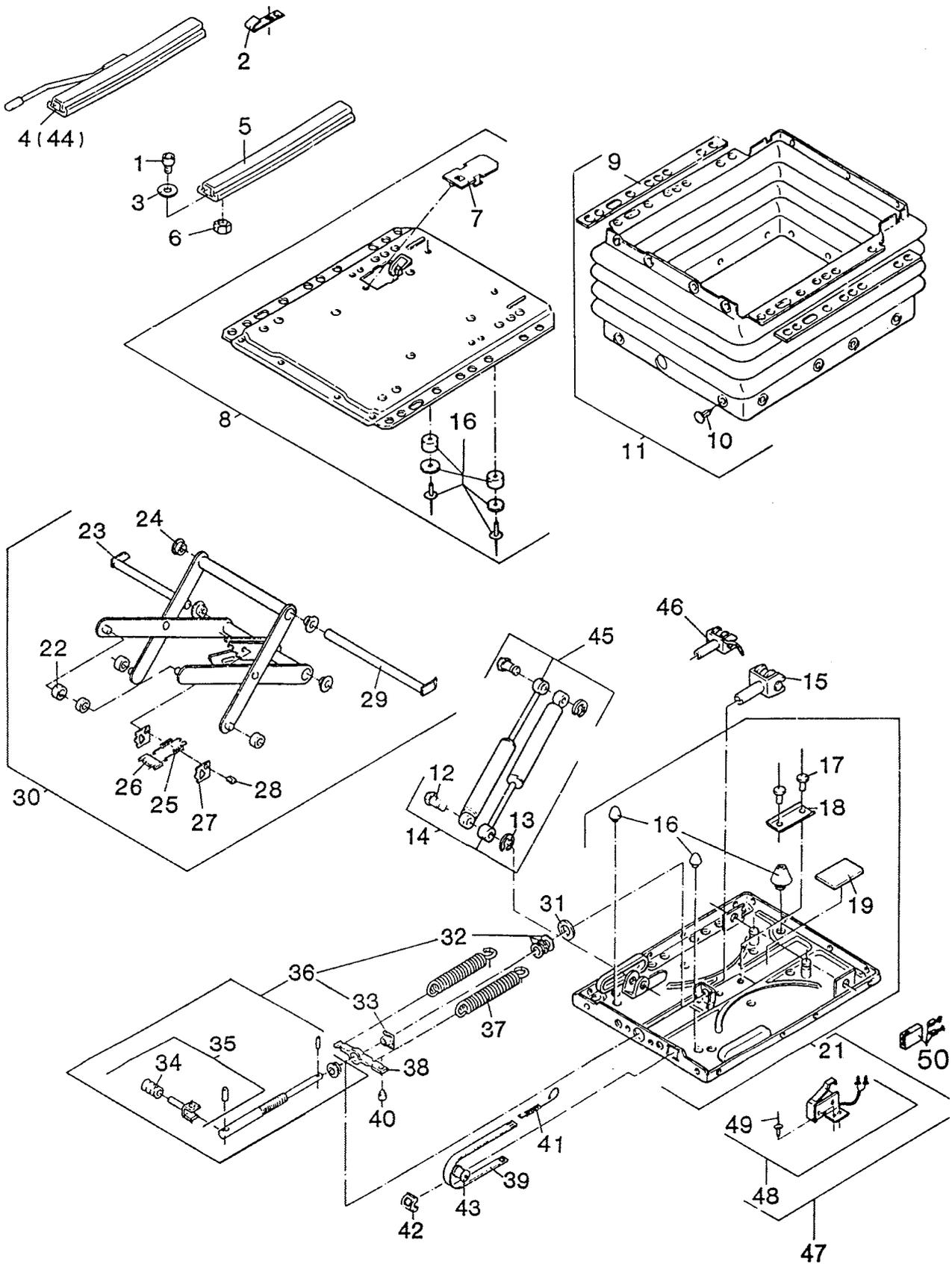
RANSOMES
HIGHWAY 213
Series VL & VK



ITEM	RANSOMES PART NO	DESCRIPTION GB	QTY	REMARKS
45	A819972	PIN	1	
46	A819973	ADJUSTING SPINDLE	1	
47	A819974	WASHER	1	
48	N/A	PLUG	2	
49	A819955	ARM REST RH	1	
50	N/A	SCREW	2	
51	N/A	SUPPORT RH	1	
52	N/A	PIN	2	
53	A819985	ARM REST ASSY. RH	1	
54	A817363	ARM REST LH	1	
55	N/A	SUPPORT LH	1	
56	A819986	ARM REST ASSY. LH	1	
59	N/A	COVER ASSY	1	
60	N/A	SCREW	1	
61	N/A	SEAT BELT FIXED	1	
62	N/A	SEAT BELT REEL	1	
63	N/A	SCREW		
64	N/A	WASHER		

* Not Illustrated

RANSOMES
HIGHWAY 213
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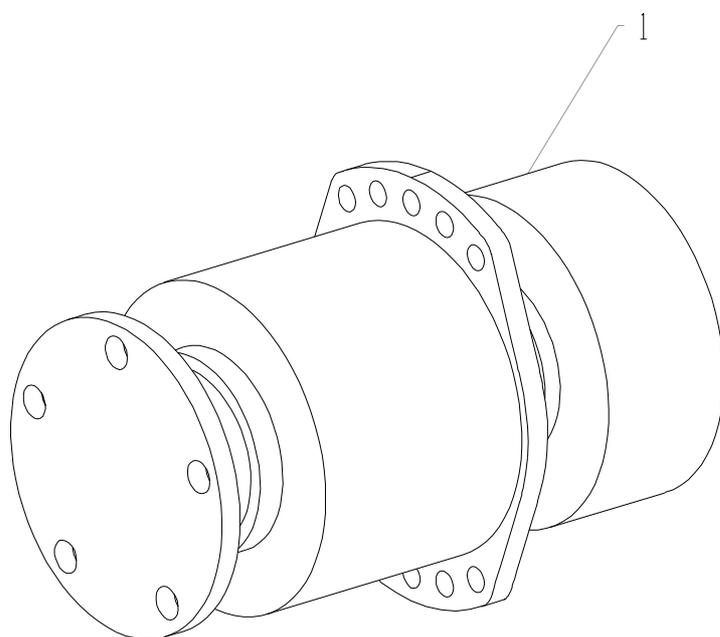


SEAT SUSPENSION BREAKDOWN GRAMMER DS85H

LIST OF PARTS

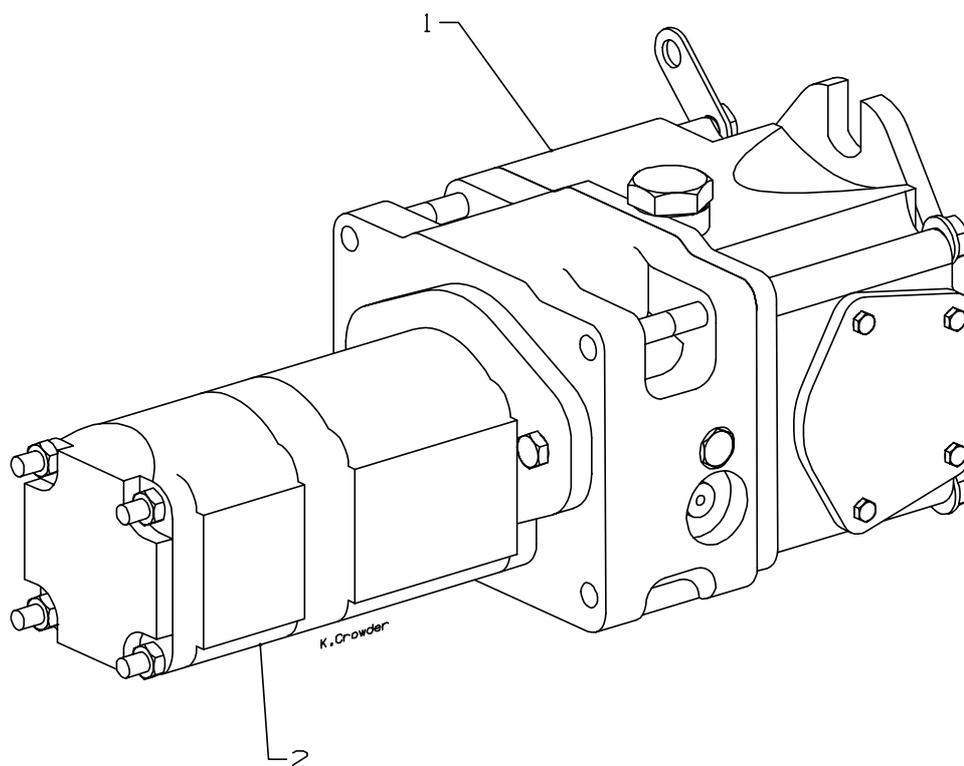
ITEM	RANSOMES PART NO	DESCRIPTION GB	QTY	REMARKS
1	A817364	SCREW	6	
2	A817365	STOP	1	
3	A817366	WASHER	2	
4	A819964	SLIDE WITH LEVER	1	
5	A819975	SLIDE	1	
6	A817367	NUT	6	
7	A817368	COVER	1	
8	A817369	BASE ASSY.	1	
9	A817370	PLATE	2	
10	A819979	PIN	21	
11	A819984	GAITER ASSY.	1	
12	A817371	PIN	2	
13	A817372	E CLIP	2	
14	A819968	DAMPER ASSY	1	
16	A817373	BUFFER ASSY.	1	
17	A817374	RIVET	2	
18	A817375	RUNNER	1	
19	A817376	PLATE	1	
20	A817377	SUSPENSION ASSY.	1	
22	A817378	ROLLER	4	
23	A817379	PIN	1	
24	A817380	BUSH	4	
25	A817381	SPRING	2	
26	A817382	PLATE	1	
27	A817383	PLATE	2	
28	A817384	BOLT	1	
29	A817385	PIN	1	
30	A819990	HINGE	1	
31	A817386	WASHER	1	
32	A817387	BEARING	1	
33	A817388	NUT	1	
34	A817389	HANDLE	1	
35	A817390	LEVER ASSY.	1	
36	A819992	WEIGHT ADJUSTER	1	
37	A819941	SPRING	2	
38	A817391	SPRING HOOK	1	
39	A817392	WEIGHT INDICATOR	1	
40	A817393	STOP	1	
41	A817394	SPRING	1	
42	A817395	WINDOW	1	
43	A817396	ROLLER	1	
46	A817397	FORK	1	
47	A817398	SPRING FRAME	1	
48	A905448	MICROSWITCH	1	
49	A817399	SCREW	2	
50	A817400	CONNECTOR	1	

* Not Illustrated



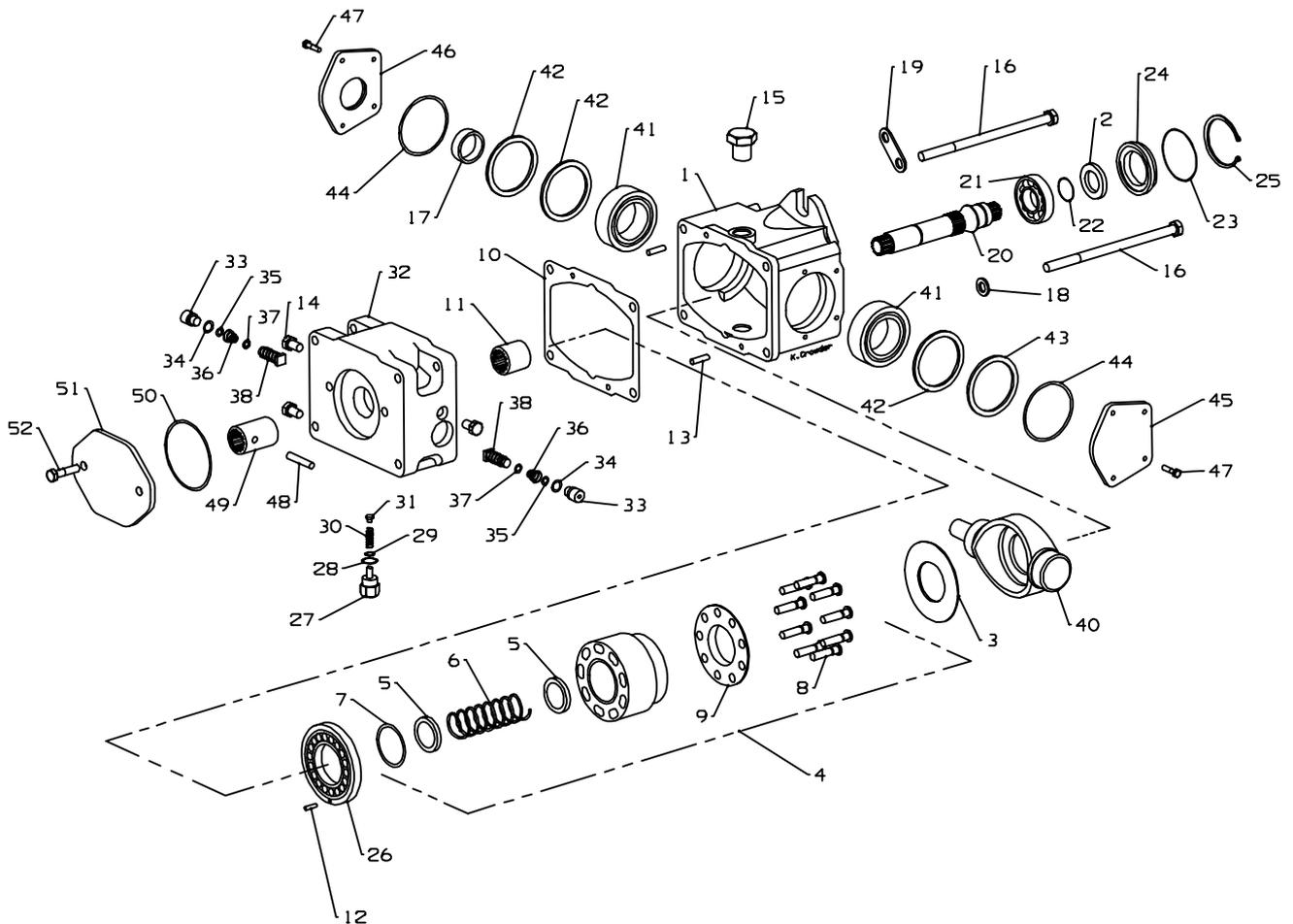
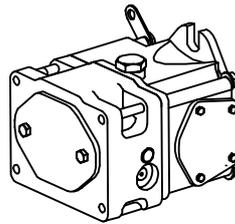
ITEM	RANSOMES PART NO	DESCRIPTION GB	QTY	REMARKS
	A800685 A800686	WHEEL MOTOR 255cc LH WHEEL MOTOR 255cc RH	1 1	

**RANSOMES
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Series VL & VK**



ITEM	RANSOMES PART NO	DESCRIPTION GB	QTY	REMARKS
1 2	A800688	PUMP PACKAGE TRANSMISSION PUMP TANDEM PUMP	1 1 1	

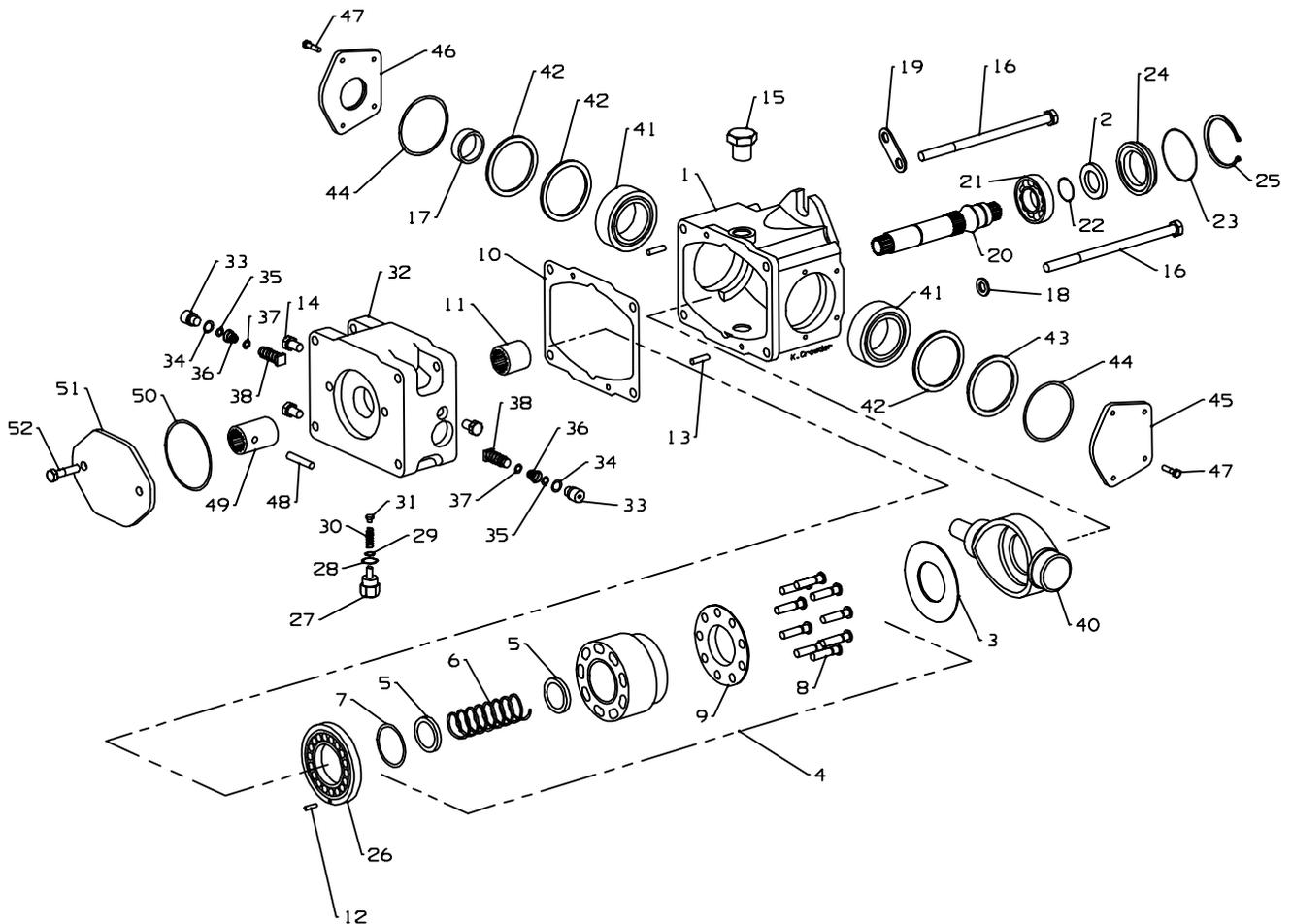
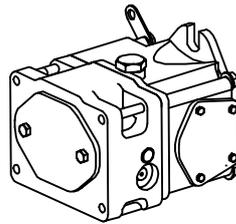
RANSOMES
HIGHWAY 213
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ITEM	RANSOMES PART NO	DESCRIPTION GB	QTY	REMARKS
1		TRANSMISSION PUMP	1	
2	+	PUMP HOUSING	1	
3		LIP SEAL	1	
4		THRUST PLATE	1	
5		CYLINDER BLOCK KIT	1	
6		WASHER	2	
7		CYLINDER BLOCK	1	
8		SPRING		
9		RETAINING RING	1	
10	+	PISTON ASSEMBLY	9	
11		SLIPPER RETAINER	1	
12		END CAP GASKET	1	
13		NEEDLE BEARING	1	
14		PIN	1	
15		PIN	2	
16		HEX PLUG ,4375-20	3	
17		HEX PLUG , 875-14	2	
18		BOLT	4	
19	+	LIP SEAL	1	
20		WASHER	3	
21		LIFTING BRACKET	1	
22		SHAFT	1	
23		BALL BEARING	1	
24	+	RETAINING RING	1	
25		O-RING	1	
26		SEAL CARRIER	1	
27		INTERNAL RETAINING RING	1	
28		VALVE PLATE RH	1	
29	+	PLUG ASSEMBLY	1	
30		O-RING	1	
31		SHIM KIT	1	
32		SPRING	1	
33		CHARGE RELIEF POPPET	1	
34	+	END CAP	1	
35	+	SPECIAL PLUG	2	
36		O-RING	2	
37		O-RING	2	
38		SPRING	2	
39		INTERNAL RETAINING RING	2	
40		SCR VALVE / 210 BAR	1	
41		SCR VALVE / 210 BAR	1	
		SWASHPLATE	1	
		TAPER ROLLER BEARING	2	

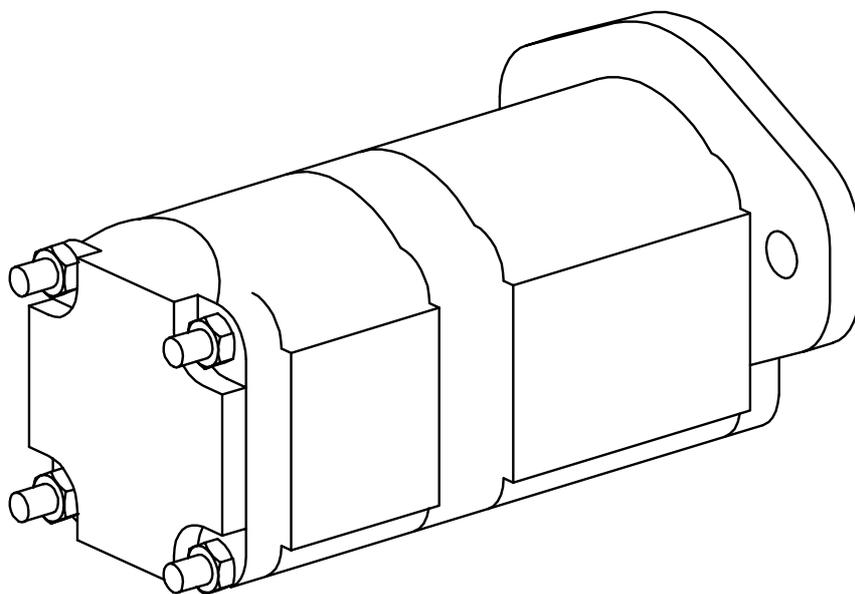
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RANSOMES
HIGHWAY 213
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ITEM	RANSOMES PART NO	DESCRIPTION GB	QTY	REMARKS
42		TRUNNION SHIM KIT	2	
43		TRUNNION SPACER	2	
44	+	O-RING	2	
45		TRUNNION COVER	1	
46		TRUNNION COVER	1	
47		THREAD ROLLING SCREW	8	
48		SPRING PIN	1	
49		COUPLING , 9 TOOTH	1	
50	+	SPECIAL O-RNG	1	
51		COVER PLATE	1	
52		HEX SCREW	2	
		+ INCLUDED IN OVERHAUL SEAL AND GASKET KIT A800593		

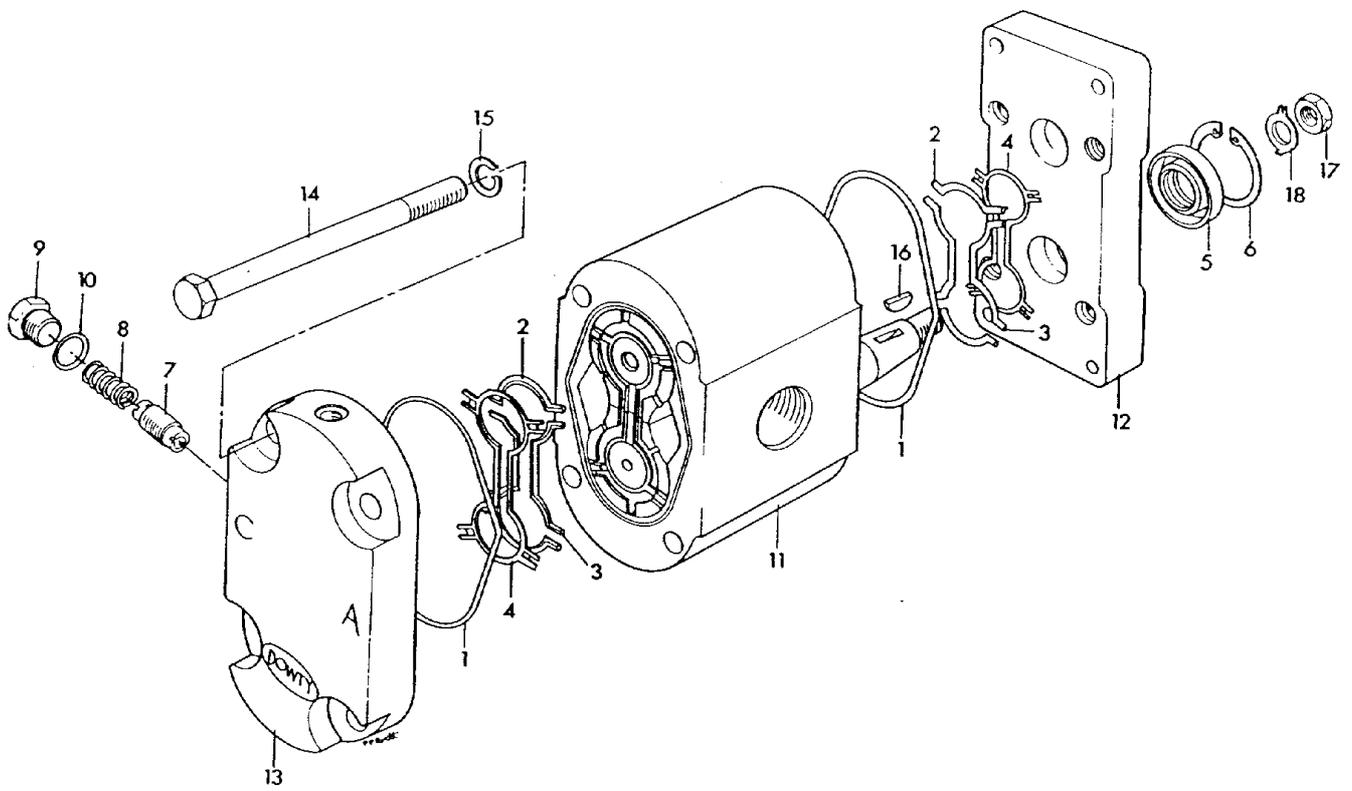
RANSOMES
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ITEM	RANSOMES PART NO	DESCRIPTION GB	QTY	REMARKS
1	A800704	TANDEM PUMP	1	
*	N/A	LIFT AND STEER PUMP	1	USE A800704
*	N/A	SEAL KIT FOR ITEM 1	1	USE A800703
2	N/A	CUTTER PUMP	1	USE A800704
*	N/A	SEAL KIT FOR ITEM 2	1	USE A800703
*	N/A	SHAFT SEAL KIT	1	USE A800703
*	A800703	SEAL KIT	1	TANDEM PUMP

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RANSOMES
HIGHWAY 213
Series VL & VK



CUTTING UNIT DRIVE MOTOR

LIST OF PARTS

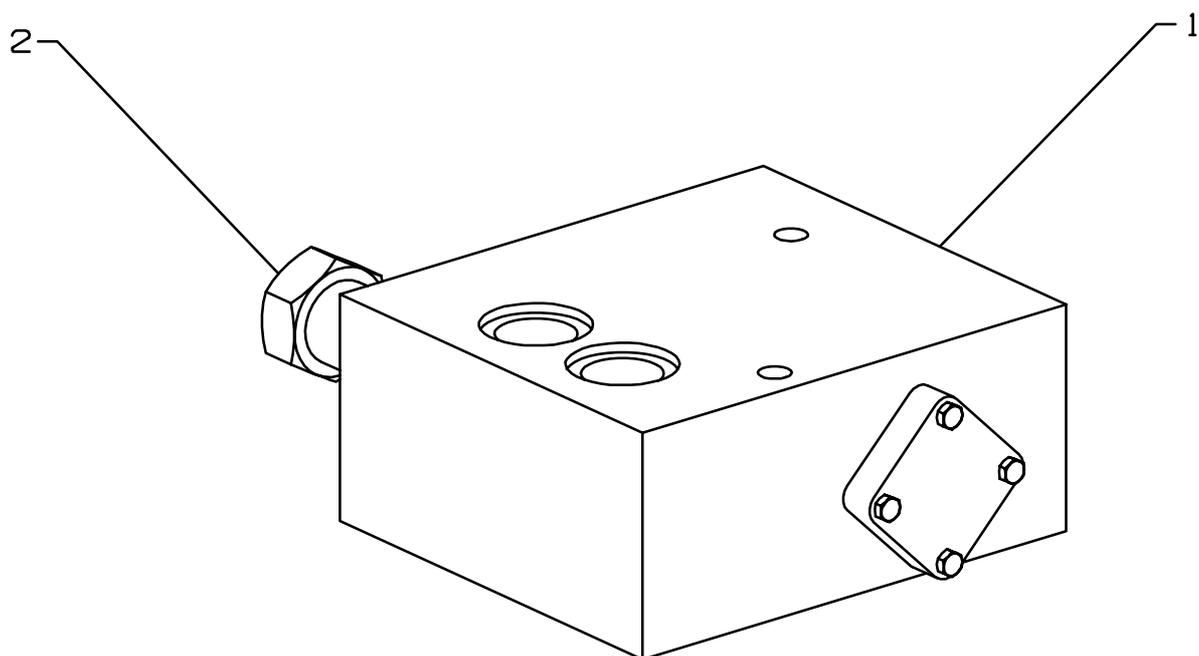
Types **A809203 Ultra IMR015A - 8304 (4019)**

A809204 Ultra IMR015C - 8304 (4020)

ITEM	RANSOMES PART NO	DESCRIPTION GB	QTY	REMARKS
	A809203	MOTOR	1	
	A809204	MOTOR	1	
	A809615	• SEAL KIT	1	
1		•• O RING	2	
2		•• SEAL	4	
3		•• SEAL	4	
4		•• SEAL	2	
5	A229945	•• SHAFT SEAL	1	
6		•• CIRCLIP	1	
7	A809613	• NON RETURN VALVE	1	
8	A809614	• SPRING	1	
9	A809223	• PLUG	1	
10	A809224	• O RING	1	
11	N/A	• BODY ASSEMBLY	1	
12	N/A	• FLANGE	1	
13	N/A	• COVER	1	
14	N/A	• BOLT	4	
15	N/A	• S.L.WASHER	4	
16	GSF2230AE	• KEY	1	
17	GSF2051AD	• NUT	1	
18	H200038	• TAB WASHER	1	

* Not Illustrated

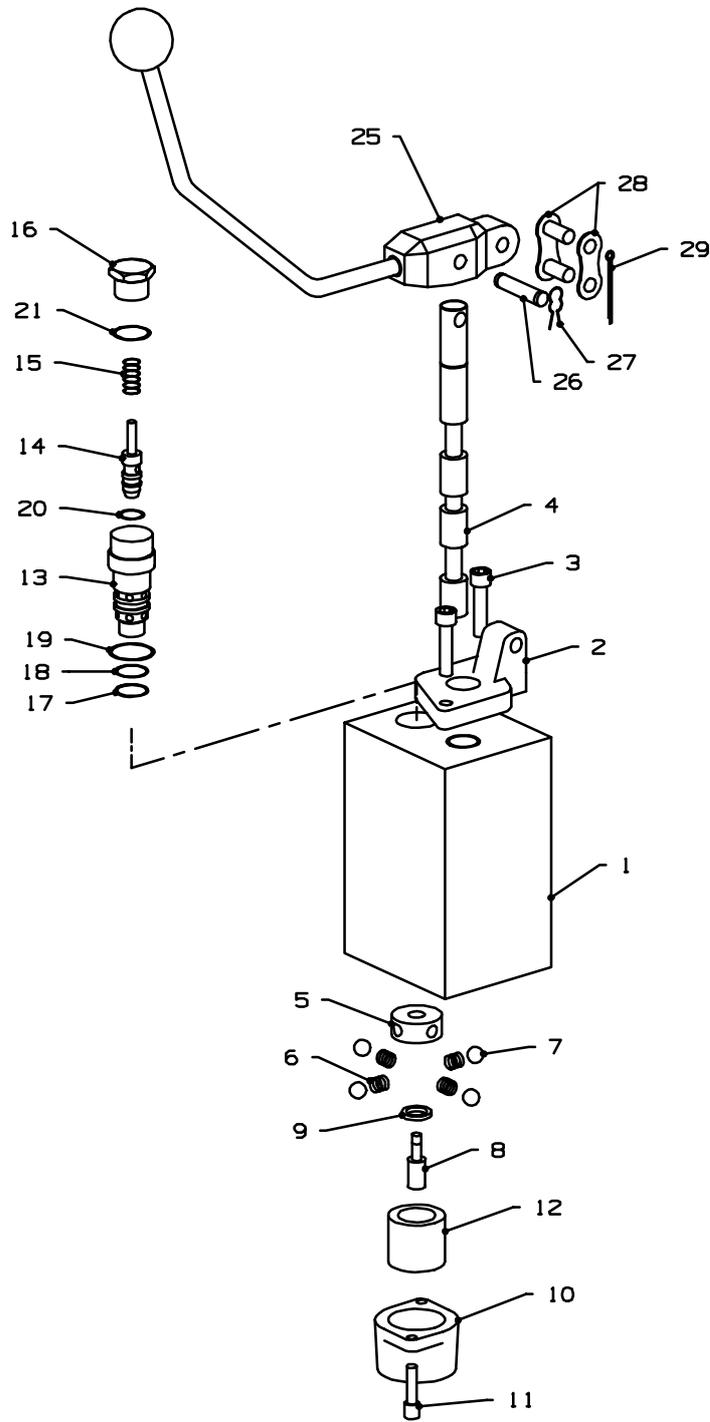
RANSOMES
HIGHWAY 213
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ITEM	RANSOMES PART NO	DESCRIPTION GB	QTY	REMARKS
1	A802775	PILOT OPERATED FLOW DIVIDER	1	
2	A802781	CARTRIDGE VALVE	1	
*	A230075	SEAL KIT FOR ITEM 2	1	
*	A230076	SEAL KIT FOR ITEM 1 INCLUDING A230075	1	

* Not Illustrated

**RANSOMES
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CYLINDER MOTOR VALVE

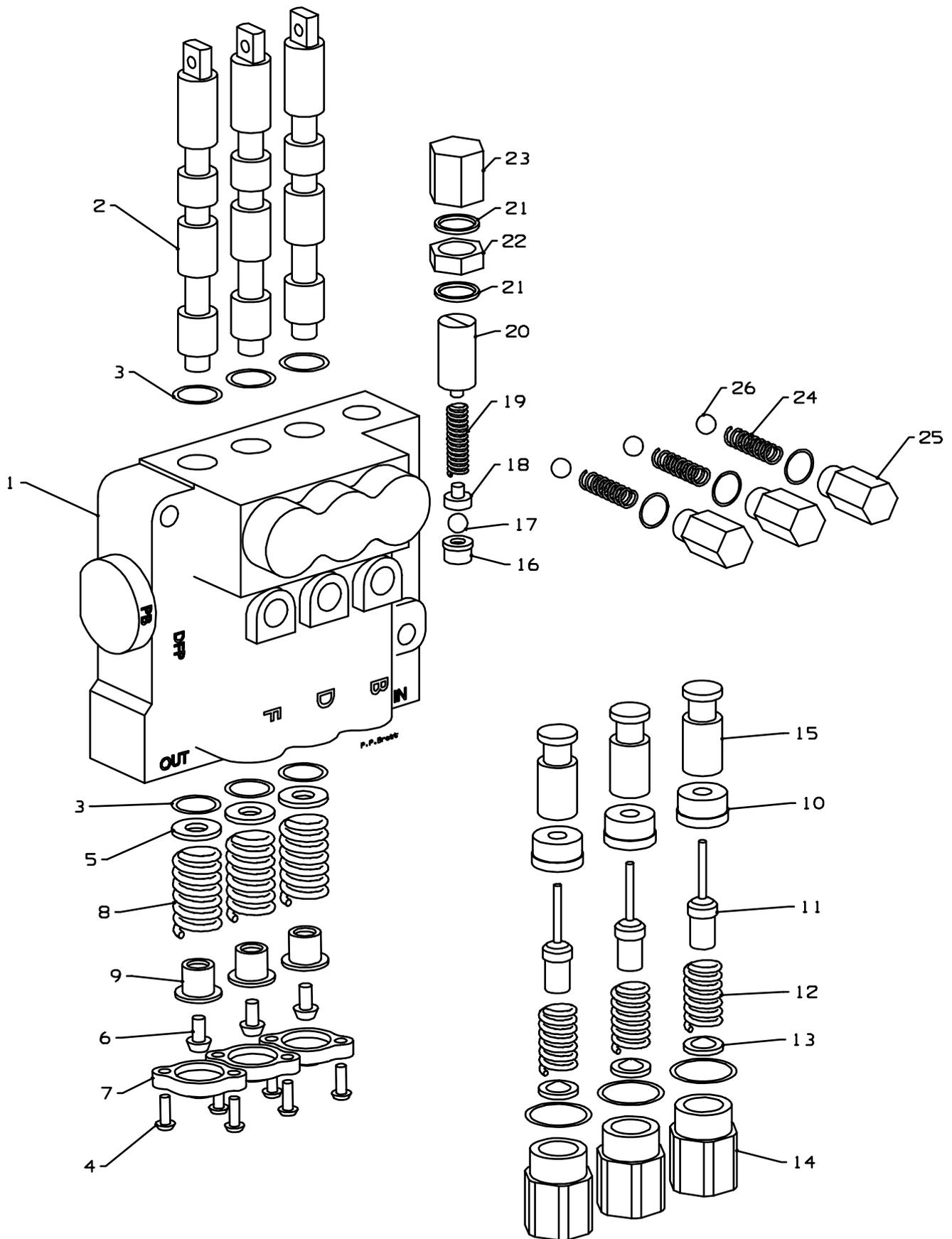
LIST OF PARTS

TRANSNORDIC M375 (MODIFIED)

ITEM	RANSOMES PART NO	DESCRIPTION GB	QTY	REMARKS
1	A802817	MOTOR VALVE	1	
2	A802836	Body	1	
3	A120194	Pivot Mounting (c/w Seal)	1	
4		Screw M5 x 12 hex soc hd	2	
5	A802804	Spool	1	
6	A802826	Cage	1	
7	A802827	Spring	4	
8		Ball	4	
9	A150005	Spool extension	1	
10	A802829	Washer 5mm	1	
11	A120194	Detent Housing	1	
12	A120194	Screw M5 x 12 hex soc hd	2	
13	A802828	Detent Sleeve	1	
14	A802822	Relief Valve 170 bar (2500 psi)(cont. item 13 to 21)		
15		Valve body	1	
16		Valve	1	
17		Spring	1	
18		Spring Cap	1	
19		Shim	AR	
20	A802811	Seal Kit (cont. 18-22)	1	
21		O Ring	1	
22		BU Ring	1	
23		O Ring	1	
24		Seal	1	
25		O Ring	1	
26	A802821	Seal Kit (cont. 23-25)	1	
27		O Ring	2	
28		BU Ring	2	
29		Shaft Seal	1	
30	A802820	Seal Kit (cont. 26 & A802810/A802821)		
31		Handle	1	
32	A802845	Pin	1	
33	A802846	Pin clip	2	
34	A802847	Chain Link	1	
35	A140032	Split Pin	1	

* Not Illustrated

RANSOMES
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LIFT CONTROL VALVE ASSEMBLY

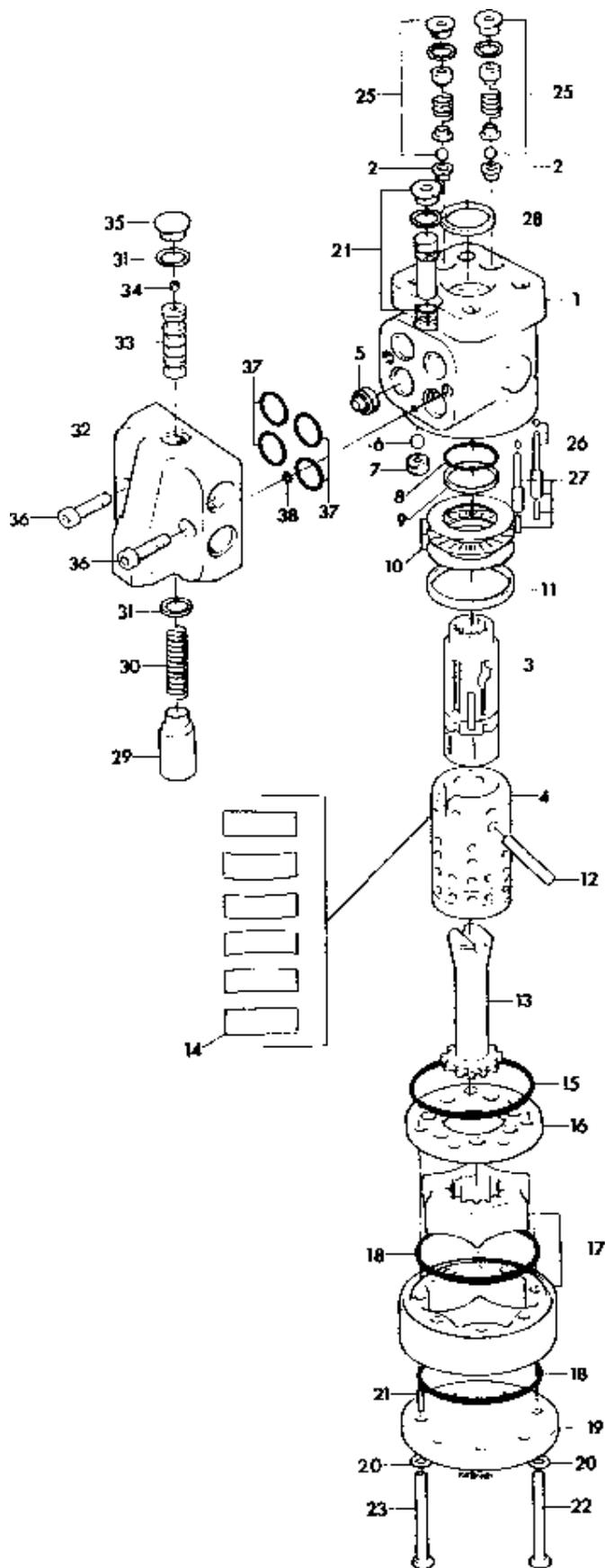
LIST OF PARTS

Danfoss/Dukes fluid power

ITEM	RANSOMES PART NO	DESCRIPTION GB	QTY	REMARKS
	A801068	Lift Valve Assy.	1	
1		Body	1	
2		Spool	3	
3	+	O Ring	6	
4		Screw with Lock washer	6	
5		Washer	3	
6		Screw	3	
7		End Cap	3	
8		Spring, return	3	
9		Spacer	3	
10	A808922	Seat, pilot chk.	3	
11	A801073	Poppet	3	
12	A808921	Spring, pilot chk.	3	
13	A808928	Poppet Stop	3	
14	A808920	Port Adaptor	3	
15	A808929	Plunger, SA detent	3	
		Relief valve Cartridge (129 bar)		
		Relief valve (incl. items 16 to 23)		
16		Valve Seat	1	
17		Ball, steel	1	
18		Ball Retainer	1	
19		Spring, relief	1	
20		Screw, adjustment	1	
21	+	Gasket	2	
22		Jam Nut	1	
23		Relief Cap	1	
24		Spring, detent	3	
25		Detent Plug	3	
26		Ball, steel	3	
		+ included in seal kit A230033		

* Not Illustrated

RANSOMES
HIGHWAY 213
Series VL & VK



STEERING UNIT AND PRIORITY VALVE

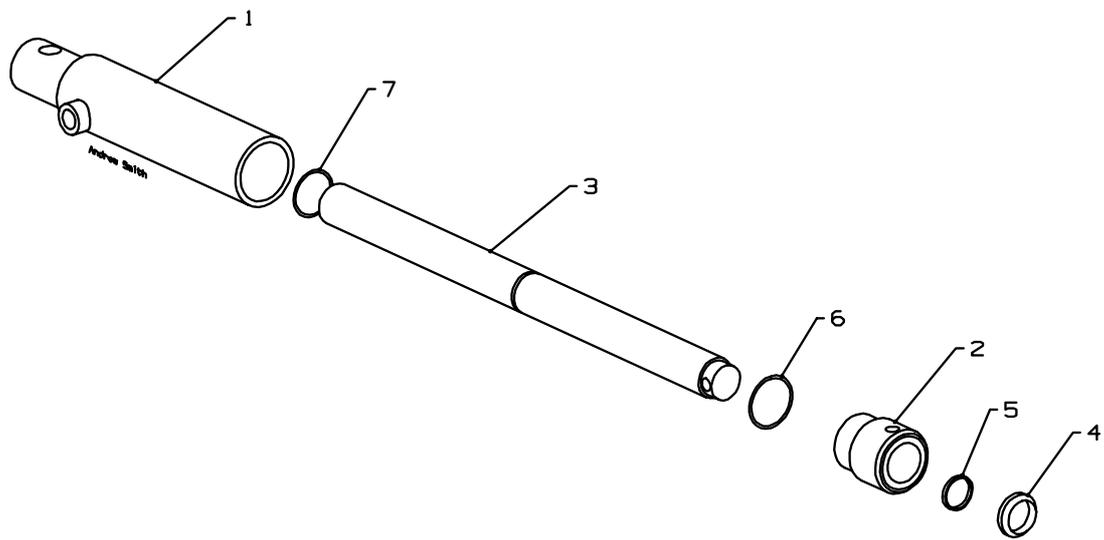
LIST OF PARTS

STEERING UNIT - DANFOSS OSPC 50 LS (150-1197)
 PRIORITY VALVE - DANFOSS OLSA 40 (152B 0001)
 LENKEINHEIT - DANFOSS OSPC 50 LS (150-1197)
 VORZUGSVENTIL - DANFOSS OLSA 40 (152B 0001)

ITEM	RANSOMES PART NO	DESCRIPTION GB	QTY	REMARKS
	A808028	STEERING UNIT	1	
	A802873	PRIORITY VALVE	1	
	A808028	Steering Unit (Item. 1 to 28)	1	
1		Seat	2	
3		Spool	1	
4		Sleeve	1	
5		Orifice Plug	1	
6		Ball	1	
7		Thread Bushing	1	
8		+ O Ring	1	
9		+ King Ring	1	
10	A808031	Bearing	1	
11	A808032	Ring	1	
12		Ring	1	
13		Shaft	1	
14		Spring Seat	1	
15		+ O Ring	1	
16		Distributor Plate	1	
17		Gear Wheel Set	1	
18		+ O Ring	2	
19		End Cover	1	
20		+ Washer	7	
21		Rolled Pin	1	
22		Bolt	6	
23		Bolt	1	
24	A808033	Relief Valve	1	
25	A808034	Dual Shock Valve	2	
26		Ball	2	
27		Pin	2	
28		+ Dust Seal Ring	1	
	A802873	Priority Valve (Item.29 to 38)	1	
29		Plug	1	
30		Spring	1	
31	A802875	Seal Ring	2	
33		Spool	1	
34	A802876	Orifice	1	
35		Plug	1	
36		Screw	2	
	A802874	Seal Kit (Cont.Item.37 and 38)	4	
37		O Ring	4	
38		O Ring	1	
		Note: Items Marked + part of Seal Kit A808030		

* Not Illustrated

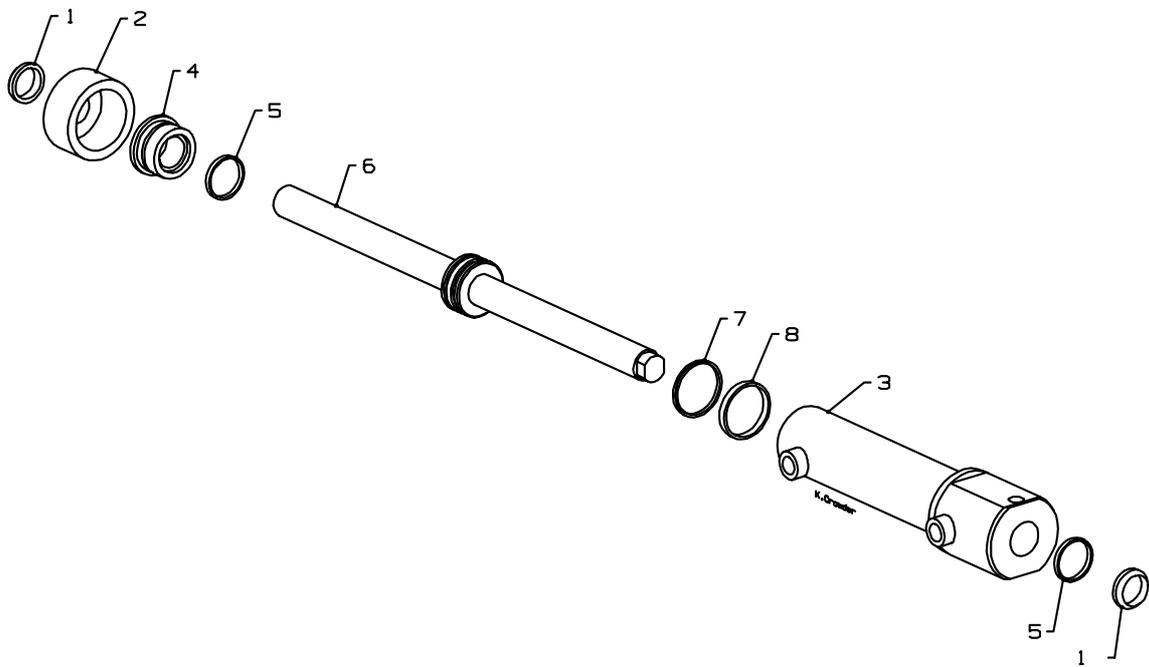
**RANSOMES
HIGHWAY 213
Series VL & VK**



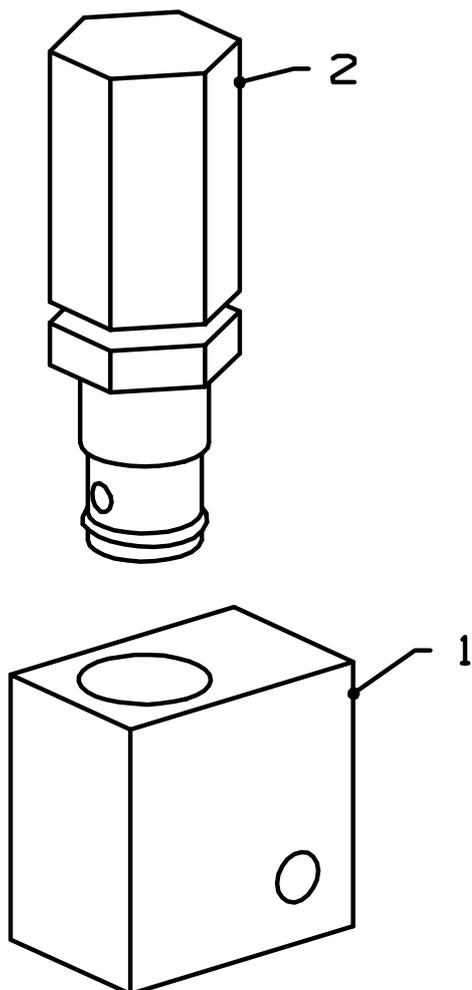
ITEM	RANSOMES PART NO	DESCRIPTION GB	QTY	REMARKS
	A902732	RAM 1 1/4 (front unit)	2	
1	N/A	Cylinder	1	
2	N/A	Gland	1	
3	N/A	Piston Rod	1	
4	A224903	Wiper Seal	1	
5	A229949	S.A.Seal	1	
6	A221218	O Ring	1	
7	GSF1058BB	Snap Ring	1	
	A902731	RAM 1 1/4 (rear unit)	1	
1	N/A	Cylinder	1	
2	N/A	Gland	1	
3	N/A	Piston Rod	1	
4	A224903	Wiper Seal	1	
5	A229949	S.A.Seal	1	
6	A221218	O Ring	1	
7	GSF1058BB	Snap Ring	1	

* Not Illustrated

RANSOMES
HIGHWAY 213
Series VL & VK



ITEM	RANSOMES PART NO	DESCRIPTION GB	QTY	REMARKS
1	A902808	STEERING RAM	1	
2	+	WIPER SEAL	2	
3		RING NUT	1	
4		CYLINDER	1	
5	+	GLAND	1	
6	+	SEAL	2	
7	+	PISTON ROD	1	
8	+	PISTON SEAL	1	
		+ INCLUDED IN SEAL KIT A230055		



UNIT COUNTERBALANCE VALVE

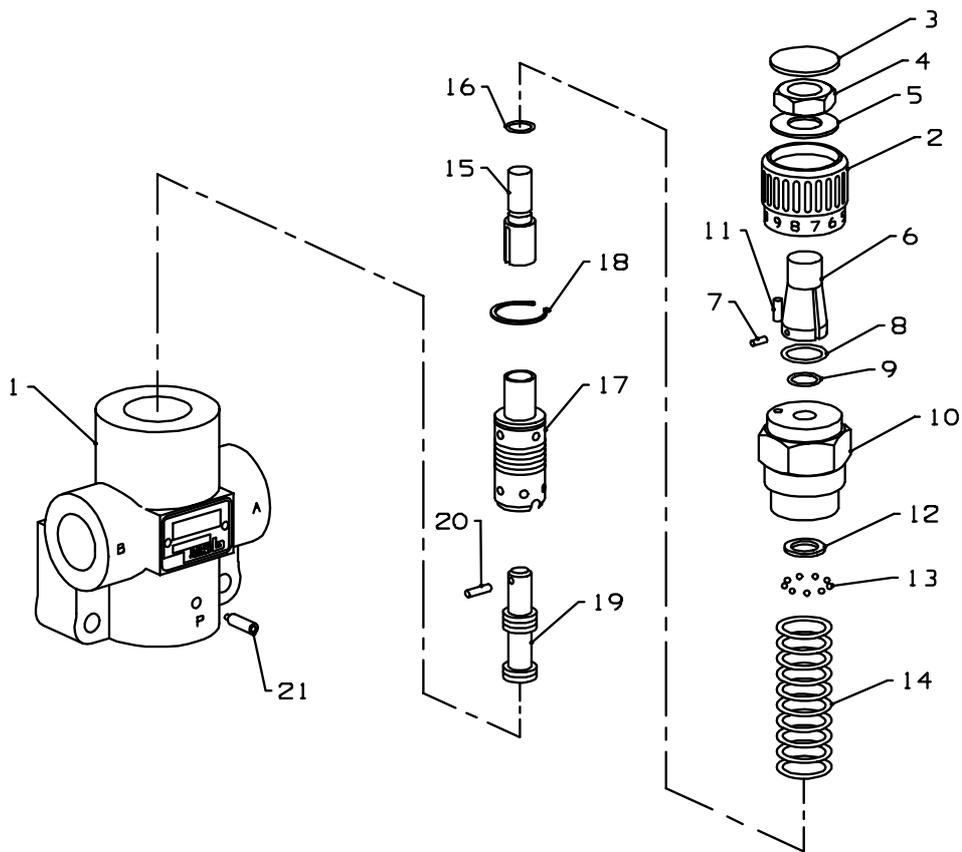
LIST OF PARTS

HY-PRO - V1835L

ITEM	RANSOMES PART NO	DESCRIPTION GB	QTY	REMARKS
1	A802504	RELIEF VALVE	1	
2		Block	1	
		Cartridge	1	

* Not Illustrated

**RANSOMES
HIGHWAY 213
Series VL & VK**



CYLINDER SPEED CONTROL VALVE

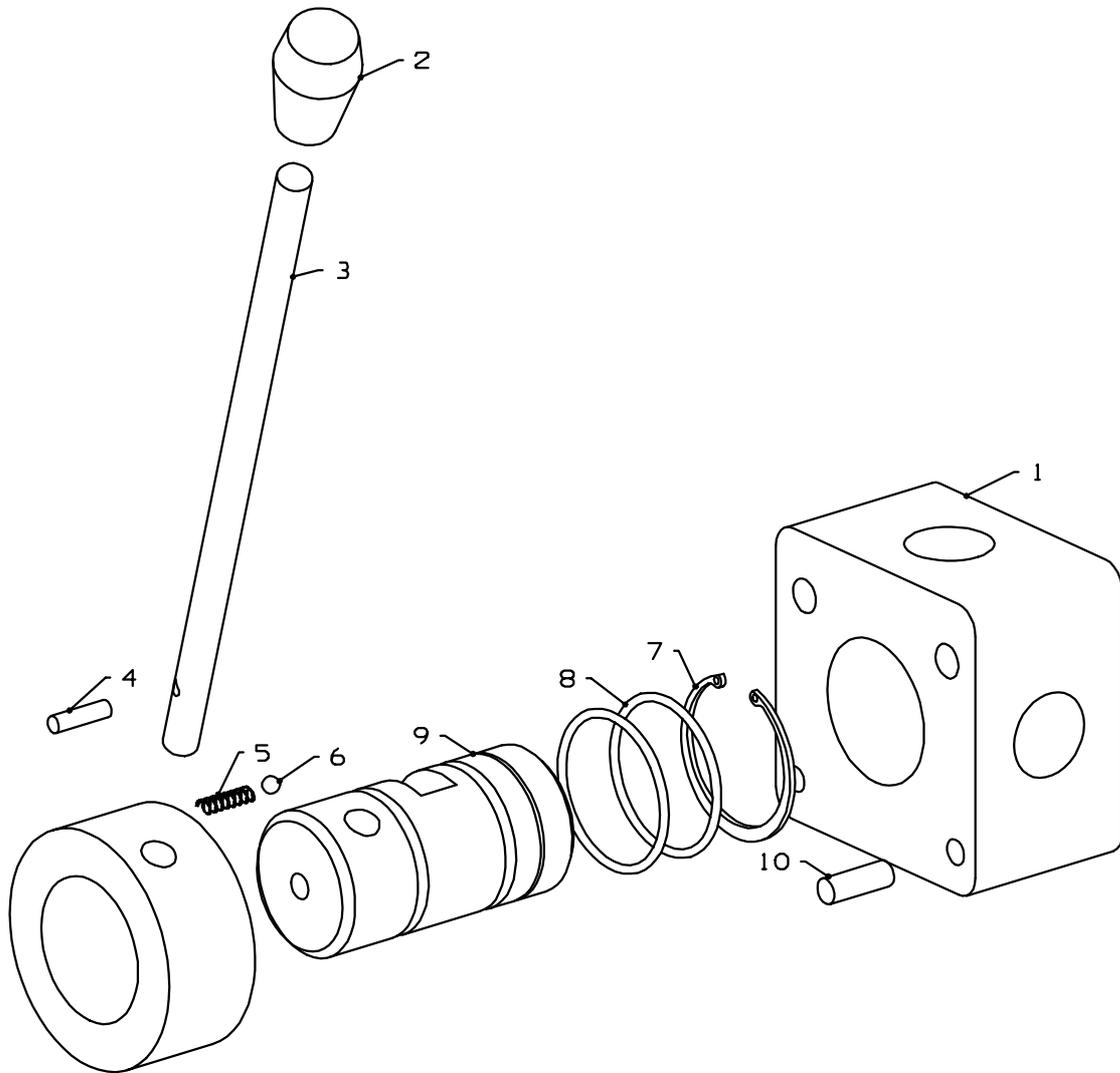
LIST OF PARTS

BUCHER MTKA-2-VC-M08

ITEM	RANSOMES PART NO	DESCRIPTION GB	QTY	REMARKS
1	A802762	FLOW DIVIDER Body	1 1	
2	A802762	Control Knob	1	
3	A802714	Cap	1	
4	A802715	Nut	1	
5	A802716	Washer	1	
6	A802717	Collar	1	
7	A802718	Pin	1	
8	+	O Ring	1	
9	A802719	Snap Ring	1	
10	A802720	Threaded Unit	1	
11	A802721	Pin	1	
12	A802722	Shim	1	
13	A802723	Ball (Qty.9)	1	
14	A802724	Spring	1	
15		Spindle	1	
16	+	O Ring	1	
17		Piston	1	
18	A802725	Circlip	1	
19		Control Pin	1	
20	A802726	Pin	1	
21	A802727	Piston Guide Pin	1	
		Note: items marked + are supplied as part of seal kit A229990		

* Not Illustrated

**RANSOMES
HIGHWAY 213
Series VL & VK**

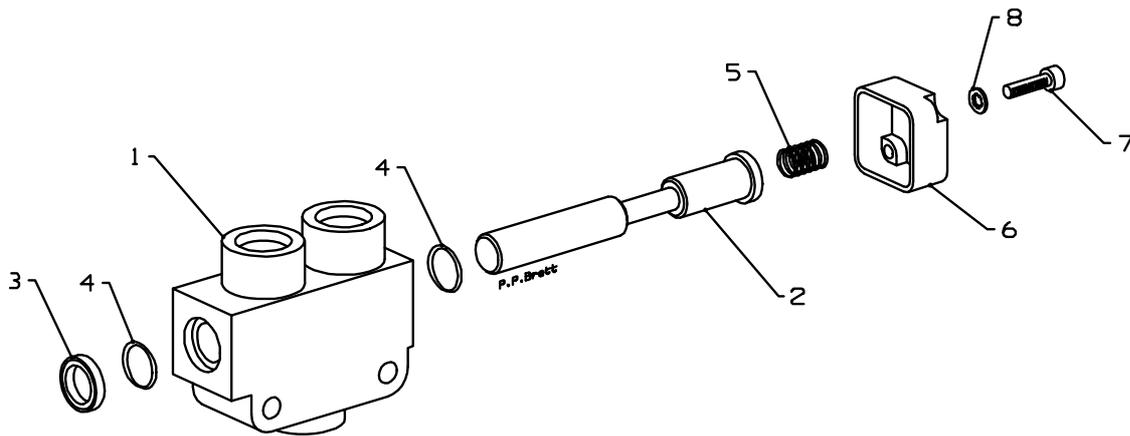


HY-PRO - V1860

ITEM	RANSOMES PART NO	DESCRIPTION GB	QTY	REMARKS
1	A802834	HYDRAULIC VALVE	1	
2		Body	1	
3		Knob	1	
4		Lever	1	
5		Tension Pin	1	
6		Spring	1	
7	A171025	Ball	1	
8	GSF3599BN	Circlip	1	
9		O Ring	2	
10		Spool	1	
		Tension Pin	2	

* Not Illustrated

**RANSOMES
HIGHWAY 213
Series VL & VK**



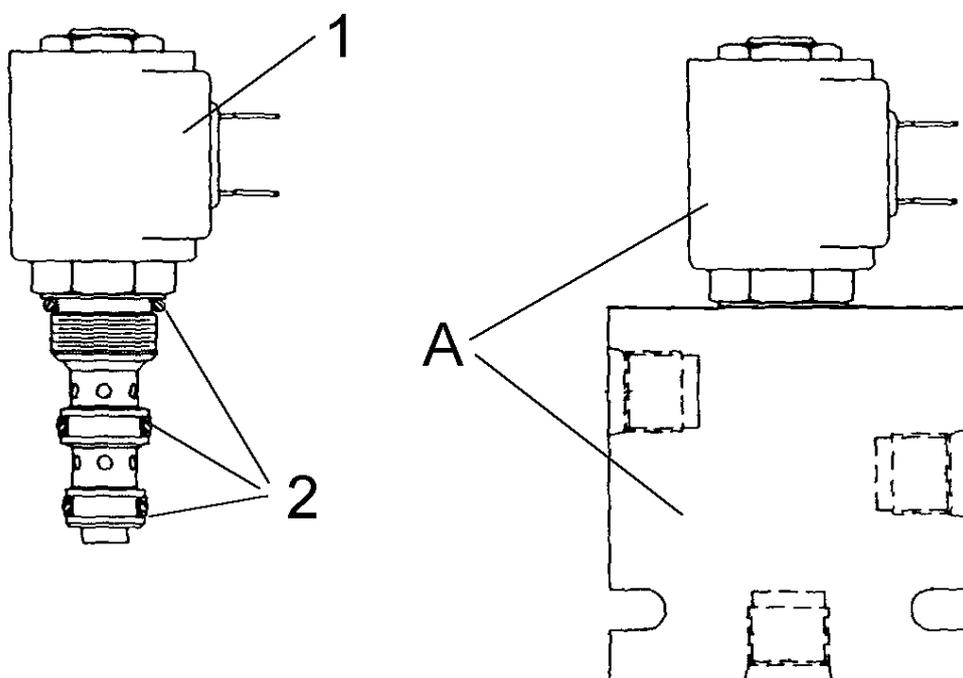
DIVERTOR VALVE

LIST OF PARTS

Johnston Fluid Power BG3D - ST06

ITEM	RANSOMES PART NO	DESCRIPTION GB	QTY	REMARKS
1	A801020	DIVERTOR VALVE	1	
2		Body	1	
3	A230023	Spindle	1	
4	A229365	Wiper Seal	1	
5	A801040	O Ring	2	
6	A801041	Spring	1	
7	A801041	End Cap	1	
8	A120104	Screw	2	
8	A152005	S.P.Washer	2	

* Not Illustrated



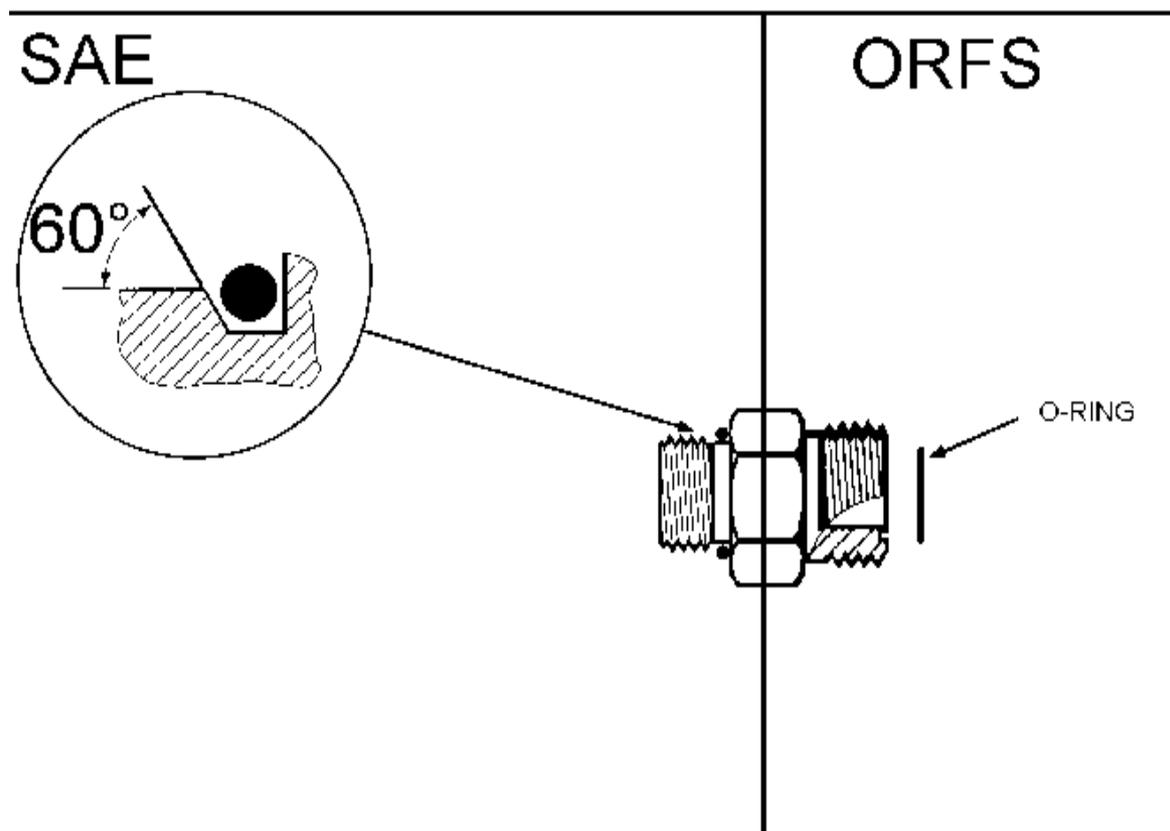
ITEM	RANSOMES PART NO	DESCRIPTION GB	QTY	REMARKS
A	A801112	Solenoid Valve Complete	1	3 Way
A	A801111	Solenoid Valve Complete	1	2 Way
1	A801156	Solenoid Coil	1	
2	A801157	Seal Kit	1	

All hydraulic hose assemblies, tube assemblies & hose tube assemblies have there part numbers either stamped on the sleeve, tube or on a tag.

ITEM	RANSOMES PART NO	DESCRIPTION GB	QTY	REMARKS
	Bonded Seals			
	Seal	Fitting Size		
	H014008	1/8 BSP		
	H014011	1/4 BSP		
	H014013	3/8 BSP		
	H014016	1/2 BSP		
	H014017	5/8 BSP		
	H014019	3/4 BSP		
	H014022	7/8 BSP		
	H014024	1 BSP		
	O Ring Seal c/w Steel Support Washer			
	Seal	Fitting Size		
	A229975	1/8 BSP		
	A229976	1/4 BSP		
	A229977	3/8 BSP		
	A229978	1/2 BSP		
	A229979	5/8 BSP		
	A229980	3/4 BSP		
	A229981	7/8 BSP		
	A229982	1 BSP		
	A229983	1 1/8 BSP		
	A229984	1 1/4 BSP		

* Not Illustrated

FITTING TYPES



All hydraulic hose assemblies, tube assemblies & hose tube assemblies have there part numbers either stamped on the sleeve, tube or on a tag.

ITEM	RANSOMES PART NO	DESCRIPTION GB	QTY	REMARKS
	O RING ORF			
	O RING	FITTING SIZE		
	158061-01	1 1/16 UNF		
	158061-02	1 3/16 UNF		
	158061-08	1 UNF		
	158061-09	1 - 3/16 UNF		
	158061-15	1- 11/16 UNF		
	158061-18	9/16 UNF		
	158061-19	1 -7/16 UNF		
	O RINGS SAE			
	O RING	FITTING SIZE		
	A221803	3/8 UNF		
	A221804	7/16 UNF		
	A221806	9/16 UNF		
	A221808	3/4 UNF		
	A221810	7/8 UNF		
	A221812	1 - 1/16 UNF		
	A221814	1- 5/16 UNF		
	Clip	Hose Clips Size		
	A192516	6 - 16		
	A192532	13 - 32		
	A192557	34 - 57		
	A192522	8 - 32		
	A192540	19 - 40		

* Not Illustrated

NUMERICAL INDEX

PART NO	DESCRIPTION	PAGE	ITEM	PART NO	DESCRIPTION	PAGE	ITEM
MBE2800A	MAIN FRAME.	9	2001	450215	SCREW M10 X 30 HEX HD	11	2055*
A133208	NUT, M8	47	6201.7 *	450215	SCREW M10 X 30 HEX HD	21	2611*
450000	BOLT M6 X 25 HEX HD	59	7240	450215	SCREW M10 X 30 HEX HD	59	7204
450001	BOLT, M6 X 30, HEX HD	37	5676*	450216	SCREW M10 X 35 HEX HD	17	2370
450001	BOLT, M6 X 30, HEX HD	61	7279*	450239	SCREW M12 X 20	25	3146
450004	BOLT M6 X 45	9	2014*	450241	SCREW M12 X 30 HEX HD	17	2354
450004	BOLT, M6 X 45, HEX HD	37	5598*	450241	SCREW M12 X 30 HEX HD	23	3110
450005	BOLT, M6 X 50, HEX HD	31	4587*	450321	NUT M4	11	2088*
450011	BOLT M8 X 80, HEX HD	35	5570*	450321	NUT M4	17	2360
450015	BOLT, M8 X 35, HEX HD	61	7278*	450321	NUT, M4	53	7053*
450016	BOLT M8 X 40	53	7073	450322	NUT M5	11	2072*
450016	BOLT, M8 X 40, HEX HD	53	7085	450322	NUT, M5	25	3168*
450016	BOLT, M8 X 40, HEX HD	61	7291*	450323	NUT M6	9	2017*
450017	BOLT, M8 X 45 HEX HD	55	7111*	450323	NUT M6	9	2036*
450018	BOLT M8 X 50 (FOR 4013)	29	4014	450323	NUT, M6	37	5678*
450018	BOLT, M8 X 50, HEX HD	51	7048	450323	NUT, M6	51	7045*
450019	BOLT, M8 X 55 , HEX HD	9	2030	450323	NUT M6	59	7225
450019	BOLT, M8 X 55, HEX HD	17	2380*	450323	NUT M6	59	7242
450019	BOLT, M8 X 55 HEX HD	37	5595*	450324	NUT M8	9	2039*
450019	BOLT, M8 X 55, HEX HD	37	5688*	450324	NUT M8	11	2061*
450020	BOLT M8 X 60 HEX HD	23	3114	450324	NUT, M8	13	2104*
450020	BOLT, M8 X 60, HEX HD	53	7106	450324	NUT M8	15	2169
450022	BOLT, M8 X 70, HEX HD	61	7288*	450324	NUT, M8	17	2385*
450023	BOLT M8 X 75	35	5591*	450324	NUT M8	29	4037*
450026	BOLT, M8 X 90, HEX HD	31	4054*	450324	NUT M8	29	4044
450029	BOLT, M10 X 35, HEX HD	53	7090	450324	NUT, M8	31	4053
450031	BOLT M10 X 45	53	7072	450324	NUT M8	31	4060
450031	BOLT, M10 X 45 HEX HD	53	7081*	450324	NUT, M8	37	5690*
450032	BOLT M10 X 50 HEX HD	21	2609*	450324	NUT, M8	53	7058
450036	BOLT, M10 X 70, HEX HD	51	7050	450324	NUT M8	53	7075
450059	BOLT M12 X 100 HEX HD	21	2616*	450324	NUT M8	57	7166
450059	BOLT M12 X 100	21	2626	450324	NUT M8	59	7209
450059	BOLT M12 X 100 , HEX HD	35	5564*	450324	NUT M8	59	7229
450168	SCREW M6 X 12 HEX HD	15	2170	450324	NUT M8	61	7254*
450168	SCREW, M6 X 12, HEX HD	29	4045	450324	NUT M8	61	7259
450168	SCREW M6 X 12 HEX HD	35	5575*	450324	NUT, M8	61	7281*
450170	SCREW M6 * 16 HEX HD.	29	4034	450325	NUT M10	11	2057*
450170	SCREW M6 X 16	61	7265	450325	NUT, M10	31	4081*
450171	SCREW, M6 X 20, HEX HD	49	6406	450325	NUT, M10	53	7059*
450171	SCREW M6 X 20	51	3055	450325	NUT M10	53	7074
450172	SCREW M6 X 25 HEX HD	17	2373	450325	NUT, M10	53	7082*
450172	SCREW M6 X 25 HEX HD	29	4038*	450326	NUT M12	21	2620
450172	SCREW, M6 X 25, HEX HD	51	7047*	450326	NUT M12	31	4069*
450188	SCREW M8 X 12 HEX HD	23	3119	450326	NUT M12	35	5552*
450190	SCREW M8 X 16 HEX HD	11	2066*	450357	NUTSERT, M6 *16, HEX HEAD	29	4018*
450190	SCREW, M8 X 16, HEX HD	53	7107	450358	NUTSERT, M6 A-K 2ND GRIP	31	4585*
450191	SCREW M8 X 20 HEX HD	9	2038*	450369	NUTSERT M8 A-L 1ST GRIP	9	2042*
450191	SCREW M8 X 20 HEX HD	13	2096*	450369	NUTSERT, M8 A-L 1ST GRIP	59	7211*
450191	SCREW, M8 X 20, HEX HD	13	2102*	450376	NYLOC NUT M5	59	7220
450191	SCREW M8 X 20	25	3162	450377	NUT M6 NYLOC	17	2375
450191	SCREW M8 X 20 HEX HD	29	4042	450377	NUT M6 NYLOC	29	4041*
450191	SCREW M8 X 20 HEX HD	35	5587*	450377	NUT M6 NYLOC	35	5571*
450191	SCREW, M8 X 20, HEX HD	49	6401	450377	NUT, M6 NYLOC	49	6407
450191	SCREW M8 X 20 HEX HD	A/R59	7207	450377	NUT M6 NYLOC	51	3057
450191	SCREW M8 X 20 HEX HD	59	7227	450377	NUT, M6 NYLOC	53	7054*
450191	SCREW M8 X 20 HEX HD	61	7251	450378	NUT M8 NYLOC	9	2031
450191	SCREW, M8 X 20, HEX HD	61	7280*	450378	NUT M8 NYLOC	11	2080
450192	SCREW M8 X 25, HEX HD	9	2041*	450378	NUT M8 NYLOC	13	2098*
450192	SCREW M8 X 25 HEX HD	11	2059*	450378	NUT M8 NYLOC	15	2152
450192	SCREW, M8 X 25, HEX HD	17	2383*	450378	NUT M8 NYLOC	17	2353
450192	SCREW M8 X 25 HEX HD	29	4035*	450378	NUT M8 NYLOC	23	3115
450192	SCREW M8 X 25, HEX HD	31	4058	450378	NUT M8 NYLOC	37	5596*
450192	SCREW, M8 X 25, HEX HD	53	7051	450378	NUT M8 NYLOC	49	6402
450192	SCREW M8 X 25, HEX HD	57	7164	450378	NUT, M8 NYLOC	53	7056*
450192	SCREW M8 X 25, HEX HD	59	7213	450378	NUT M8 NYLOC	53	7076
450192	SCREW M8 X 25 HEX HD	59	7230	450378	NUT, M8 NYLOC	53	7086*
450192	SCREW M8 X 25 HEX HD	61	7258	450378	NUT, M8 NYLOC	55	7120*
450193	SCREW M8 X 30 HEX HD	15	2167	450379	NUT M10 NYLOC	17	2371
450194	SCREW, M8 X 35, HEX HD	55	7108	450379	NUT, M10 NYLOC	29	4049
450195	SCREW M8 X 40	11	2074*	450379	NUT, M10 NYLOC	53	7057
450214	S.L.WASHER M10	11	2056*	450379	NUT, M10 NYLOC	53	7077*
450214	SCREW M10 X 25, HEX HD	57	7174*	450379	NUT M10, NYLOC	53	7083*
450214	SCREW, M10 X 25, HEX HD	59	7245	450380	NUT M12 NYLOC	17	2355

NUMERICAL INDEX

PART NO	DESCRIPTION	PAGE	ITEM	PART NO	DESCRIPTION	PAGE	ITEM
450380	NUT M12 NYLOC	21	2618	450411	S.L.WASHER M8	19	2510
450382	NUT M16 NYLOC	13	2094*	450411	S.L.WASHER M8	23	3118
450382	NUT M16 NYLOC	25	3149	450411	S.L.WASHER M8	25	3163
450388	WASHER M5	9	2032*	450411	S.L.WASHER M8	29	4015
450388	WASHER, M5	25	3169*	450411	S.L.WASHER M8	29	4036*
450388	WASHER , M5	37	5669*	450411	S.L.WASHER M8	29	4043
450388	WASHER, M5	37	5693*	450411	S.L.WASHER M8	31	4059
450389	WASHER M6	9	2015*	450411	S.L.WASHER, M8	37	5689*
450389	WASHER M6	9	2024*	450411	S.L.WASHER, M8	53	7060*
450389	WASHER M6	9	2035*	450411	S.L.WASHER M8	57	7165
450389	WASHER M6	17	2364	450411	S.L.WASHER M8	59	7208
450389	WASHER M6	29	4039*	450411	S.L.WASHER M8	59	7215
450389	WASHER, M6	31	4086*	450411	S.L.WASHER M8	59	7228
450389	WASHER M6	35	5572*	450411	S.L.WASHER M8	61	7252
450389	WASHER M6	37	5603*	450411	S.L.WASHER M8	61	7270
450389	WASHER, M6	37	5677*	450411	S.L.WASHER, M8	61	7282*
450389	WASHER M6	51	3056	450411	S.L.WASHER, M8	61	7290*
450389	WASHER M6	57	7191*	450412	S.L.WASHER M10	21	2610*
450389	WASHER M6	57	7199	450412	S.L.WASHER, M10	31	4082
450390	WASHER M8	9	2022*	450413	S.L.WASHER M12	23	3107
450390	WASHER M8	9	2043*	450413	S.L.WASHER M12	31	4063*
450390	WASHER M8	11	2062*	450413	S.L.WASHER M12	35	5551*
450390	WASHER M8	11	2067*	450455	NUT M12 VERBUS RIP	23	3117
450390	WASHER M8	13	2097*	450473	SCREW M8 X 30 VERBUS RIPP		19
450390	WASHER M8	15	2161	450473	M8X30 SCREW VERBUS RIPP	21	2608
450390	WASHER, M8	17	2381*	450477	SCREW M10 X 20 VERBUS RIP	19	2508
450390	WASHER M8	37	5597*	450477	SCREW M10 X 20 VERBUS RIP	21	2607
450390	WASHER, M8	53	7061*	450483	SCREW M12 X 30 VERBUS RIP	23	3116
450390	WASHER M8	53	7079	450515	SETSCREW, M4 X 4, CUP PNT	51	7021
450390	WASHER, M8	55	7121*	450520	SCREW M4 X 20 PAN HD	17	2358
450390	WASHER M8	57	7152*	450529	SCREW, M5 X 20, PAN HD	25	3167*
450390	WASHER M8	57	7154*	450539	SCREW M6 X 12 PAN HD	57	7190*
450390	WASHER M8	57	7195*	450542	SCREW M6 X 20 PAN HD	9	2033*
450390	WASHER M8	59	7214	450542	SCREW, M6 X 20 PAN HD	51	7044
450390	WASHER M8	59	7231	450551	SCREW M8 X 16, PAN HD	57	7172
450390	WASHER M8	61	7269	450552	SCREW M8 X 20 PAN HD	57	7151*
450390	WASHER, M8	61	7289*	450552	SCREW M8 X 20 PAN HD	57	7153*
450391	WASHER M10	17	2372	450552	SCREW M8 X 20 PAN HD	57	7156
450391	WASHER M10	19	2516	450553	SCREW M8 X 25, PAN HD	9	2021*
450391	WASHER M10	21	2623	450598	SCREW M4 X 25	11	2086*
450391	WASHER M10	35	5581	450605	SCREW M5 X 12 CSK HEAD	59	7219
450391	WASHER M10	53	7078	450608	SCREW M5 X 20	11	2070*
450391	WASHER, M10	53	7084*	450634	SCREW M8 X 25 CSK HD	11	2068*
450391	WASHER M10	55	7113	450892	BOLT, M10 X 90, HEX HD	31	4080
450392	WASHER M12	9	2006	450950	SETSCREW, M5 X 6, CUP PNT	51	7023
450392	WASHER M12	17	2356	450959	SETSCREW, M6 X 8, CUP PNT	35	5585
450392	WASHER M12	35	5553*	451241	SPLIT PIN, 3.2 X 22	35	5554*
450392	WASHER M12	35	5556*	451241	SPLIT PIN 3.2 X 22	35	5557*
450392	WASHER M12	35	5567	451241	SPLIT PIN, 3.2 X 22	55	7114
450393	WASHER M16 FOR 2090	11	2093	451488	SPIROL PIN 8 X 20	9	2008
450393	WASHER M16	23	3113	451581	TENSION PIN 3 X 20	35	5578
450393	WASHER M16	33	5512*	451581	TENSION PIN, 3 X 20	51	7018
450408	S.L.WASHER M4	11	2087*	451683	TENSION PIN, 6 X 32	53	7087*
450408	S.L.WASHER M4	17	2359	451962	INT CIRCLIP, 32MM	51	7017
450409	S.L.WASHER M5	11	2071*	451970	INT CIRCLIP 40MM	51	7004*
450410	S.L.WASHER M6	9	2034*	451982	INT CIRCLIP 52MM	23	3123
450410	S.L.WASHER M6	15	2171	452115	E CLIP 8 MM	35	5592*
450410	S.L.WASHER M6	29	4040*	452145	KEY, 4 X 4 X 12	51	7005*
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450410	S.L.WASHER, M6	31	4088*	452436	FLANGED NYLOC NUT M8	59	7216
450410	S.L.WASHER M6	35	5576*	452437	NUT FLANGED M10 NYLOC	57	7175*
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450410	S.L.WASHER, M6	51	7046*	452437	NUT, M10 FLANGED NYLOC	59	7246
450410	S.L.WASHER M6	59	7200	452438	NUT M12 FLANGED NYLOC	35	5565*
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450410	S.L.WASHER M6	59	7241	452476	SCREW M10 X 20	21	2605
450410	S.L.WASHER M6	61	7266	452542	BOLT M6 X 20 SQ NECK	59	7223
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A802504	RELIEF VALVE	97		A819963	REPAIR KIT	65	31	
A802504	RELIEF VALVE	35	5583	A819964	RAIL WITH LEVER	67	36	
A802725	CIRCLIP	99	18	A819964	SLIDE WITH LEVER	71	4	
A802726	PIN	99	20	A819965	PIN	67	26	
A802727	PISTON GUIDE PIN	99	21	A819966	DETENT	67	27	
A802762	FLOW DIVIDER	99		A819967	ROD	67	29	
A802762	FLOW DIVIDER	37	5663	A819968	DAMPER ASSY	71	14	
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A819974	WASHER	69	47	A905812	M/SWITCH V3 ECONO	45	15
A819975	RAIL	67	39	A906500	PLUG	23	3104
A819979	PIN	71	10	A906759	CENTRE DIVRTOR LTH CABLE	55	7110
A819982	HANDLE	71	34	A906760	FRONT DIVRTOR LTH CABLE	53	7103
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A819986	ARM REST ASSY. LH	69	56	A908069	HYD.TUBE ASSEMBLY	43	148
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A823181	LIGHT - NUMBER PLATE	45	44	A908074	HYD.TUBE ASSEMBLY	43	153
A823182	LIGHT BULB KIT	45	45*	A912123	TOP RAD HOSE	29	4025
A823187	PILOT LAMP, TWIN, 12 VOLT	45	5*	A912123	TOP RAD HOSE	29	4027
A823188	LED 12V YELLOW, 5MM DIA	45	36	A912152	SUCTION HOSE	33	5520
A823197	REFLECTOR - RED	45	43	A913110	DISC	57	7162*
A823260	ROTATING BEACON	47	58	A913124	COVER	57	7169
A823316	FUSE 10 AMP	45	20*	A913433	HYD.TANK COVER	57	7168
A823317	FUSE 15 AMP	45	46*	A913436	CENTRE CONSOLE	57	7170
A823318	FUSE 20 AMP	45	21*	A913485	GAITER	51	7022
A823320	FUSE 30 AMP	45	22*	A913498	CONDUIT 20MM	49	6353
A823343	RELAY/FUSE MOUNT KIT	49	J	A914021	PROTECTIVE CAP (HYD MTR)	37	5675*
A823972	HORN	45	37	A914200	SLEEVE	9	2010
A824454	RELAY	45	16*	A914200	SLEEVE	17	2368
A824463	RELAY 12V 70AMP	49	D	A914822	SOUND DEADENING PAD	9	2051*
A824464	SEAT SWITCH DELAY	45	38	AQ10022	CLEVIS PIN.	37	5600*
A824465	FLASHER RELAY	45	17	DT0635	PLUG	49	H
A829521	BLANKING PLUG	47	57*	EL027	ELECTRICAL KIT	45	6005
A829525	HAZARD SWITCH	45	28	EL028	ELECTRICAL KIT	45	6005
A829526	ROCKER SWITCH	45	26	EX KUBOTA	FUEL HOSE	15	2164
A829529	ROCKER SWITCH	45	34	EX KUBOTA	FUEL FILTER	15	2165
A829533	ROCKER SWITCH	45	24	EX KUBOTA	FUEL PUMP	15	2166
A829552	LENS INSERT - HEAD / SIDE	45	25	FGK001	COVERS KIT	57	7157*
A829556	LENS INSERT - WASH/WIPE	45	35	GSF1090ED	DRIVE SCRREW	63	8019*
A829558	LENS INSERT - HAZARD	45	29	GSF2013EJ	SETSCREW	37	5646*
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A902732	RAM 1 1/4 (FRONT UNIT)	93		H014011	1/4 BSP	107	
A902732	HYDRAULIC RAM	35	5559	H014013	3/8 BSP	107	
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A903926	COLOUR CODING SPOT KIT	49	6310	H014017	5/8 BSP	107	
A904200	FLAP RH	59	7234	H014019	3/4 BSP	107	
A904201	FLAP LH	59	7233	H014022	7/8 BSP	107	
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A904247	ROLLER	9	2029	H051003	OIL TELLUS 46	33	5502*
A904294	FLAP	11	2077	H052013	LOCTITE	53	7052*
A904832	GUIDE	33	5514*	H052013	LOCTITE 270	23	3105*
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A904912	FUEL TANK COVER	57	7167	H060053	BEADING 7CM	9	2020*
A905399	REAR LIGHTING HARNESS	45	4	H060104	BEADING	57	7158*
A905435	STRAPPING LEAD	45	13	H060104	BEADING	57	7180*
A905437	LIGHTING HARNESS	45	3	H060104	BEADING	57	7181*
A905448	MICRO SWITCH	71	48	H060104	BEADING 38CM	9	2019*
A905469	SWITCH HARNESS	45	30	H060105	PLASTIC SPRING GUARD	37	5653*
A905471	WIRING HARNESS (BINNACLE)	45	2	H083031	DISC SPRING	9	2005
A905472	BATTERY LEAD (+VE)	45	11	H083036	DISC SPRING	23	3106
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A905532	SEAT CONNECTOR HARNESS	47	56*	H460057	FILLER CAP	15	2153
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H980407	HOSE CLIP FOR FLASHER	49	6360	MBE1046	ENGINE FOOT - REAR.	29	4006
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IAC001A	ACOUSTIC PAD KIT	57	7194*	MBE1876B	PIVOT PIN W/ASSY.	51	3054
IDL008D	DECAL KIT-MOTOR 213D	63	8003*	MBE1986	AXLE STUD.	23	3136
IHHF015	HOSE & FIT. KIT	37	5696*	MBE2470A	BRACKET	51	7002
MBA5125	SPRING	17	2369	MBE2471A	LEVER.	51	7001
MBB7823	LEVER	9	2009	MBE2472A	SPINDLE.	51	7000
MBB7837	STUD	9	2007	MBE2483B	PISTON ROD	51	7010
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MBB8217A	HYDRAULIC TANK	33	5500*	MBE2485A	REACTION SLEEVE	51	7015
MBB8221A	STAY	17	2362	MBE2486A	PISTON	51	7013
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MBC2543	SPACER.	35	5569	MBE3042	SPACER	53	7070
MBC4961C	AXLE FABRICATION	23	3142	MBE3043	SPACER	53	7071*
MBC4982	BUSH	23	3112	MBE3060D	ENGINE COVER W/ASSY	59	7201
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MBC7297	SPACER.	35	5558*	MBE3466A	BRACKET - MICRO SWITCH.	11	2082
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MBC7659	KEEP PLATE	21	2606	MBE3488	BRACKET (FILTER)	11	2073*
MBC7695	FRONT COVER	59	7243	MBE3494B	HANDWHEEL	35	5584
MBC7696A	NOSE PLATE	11	2089	MBE3504	MIC.SWITCH KEEP PLATE	47	6067*
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MBC7742A	PANEL R.H. FRONT	57	7182	MBE3547A	BUGSCREEN ASSY	29	4033
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MBC7895	STUB AXLE W/ASSY.	23	3141	MBE3750	ANGLE RH.	61	7255
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