

OPERATING INSTRUCTIONS & SPARE PARTS LIST

3S DIESEL

DUMPER
(CAPACITY 22.5 CWT)

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INTRODUCTION

This Parts & Operators Manual is a re-print of the manual last published in 1981 and contains some amended part numbers.

Health & Safety legislation and working practices applicable to Site Dumpers, both 2 and 4 wheel Drive, Rigid Chassis and Articulated Chassis have changed considerably in the years since this manual was last published and immediately following this Introduction are notes on the Safe Use of Site Dumpers. These notes supersede and replace all previous 'Dumper Safety' notes issued with Winget 3S Dumpers

Reference is made on a number of pages to 'bolt c/w nut and washer', this no longer the case, fixings such as nuts, bolts, screws and washers should be ordered as individual items. A number of Whitworth and B.S.F fixings are now no longer available, in these cases the nearest metric equivalent size will be supplied.

The contents of this manual although correct at the time of publication, may be subject to alteration by the manufacturers without notice and Winget Limited can accept no responsibility for any errors or omissions contained within the following pages. Nor can we accept any liability whatsoever arising from the use of this manual howsoever caused.

Winget Limited operate a policy of continuous product development. Therefore, some illustrations or text within this publication may differ from your machine.

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Safety is the responsibility of all persons working with this machine. Think "safety" at all times. Read and remember the contents of this handbook.

The safe working recommendations for specific tasks are found with the instructions for the relevant operation in this Handbook.

MACHINE MODIFICATION

WARNING Any modifications to the machine will affect its working parameters and safety factors. Refer to the Manufacturers before fitting any non-standard equipment or parts.

> The Manufacturers accept no responsibility for any modifications made after the machine has left the factory, unless previously agreed by the Manufacturers in writing; the Manufacturers will accept no liability for damage to property, personnel or the machine if failure is brought about due to such modifications, or fitment of spurious parts.

TRAINING

WARNING Only trained operators should use this machine.



Operators should hold an appropriate full motor vehicle driving licence and undergo both a safety awareness course and a driver training course for Site dumpers run by the C.ITB or equivalent body leading to the award of a CTA.

It is strongly recommended that operators read the H.S.E. publication "Safe with Small Dumpers" which is available from government bookshops (HMSO) or from other bookshops quoting the following number ISBN 011 8836935. Another useful publication is British Standard number BS 6264, "Procedure for Operator Training For Earth Moving Machinery" available from the British Standard Institution.

RUNNING-IN

WARNING While a gradual 'running-in' of a new engine is not necessary, it is extremely important that the instructions given in Section 2 "Operation" on "Running-in a new engine" should be followed very closely during the first fifty hours of operation.

DRIVING



WARNING NEVER use the machine for purposes other than those for which it was designed. This machine was designed to carry loads such as soil, clay, sand, wet concrete, stone or other similar materials. It was not designed to carry loads which may move around in the skip uncontrollably, nor to carry any loads or materials which overhang the skip in any way. If in any doubt as to the suitability of this machine for a particular task, contact your nearest Distributor or the Manufacturer for advice.

ALWAYS be aware of local and national regulations governing the use of the machine.

NEVER commence work with the machine until the "Daily (or every ten hours)" service checks have been made. (See Service Section for details)

ALWAYS check wheel nut tightness daily.

NEVER carry passengers.

Ensure that the seat is securely fixed to the machine. Where seat belt restraints are fitted as part of Rops/Fops protection they must be worn. Check that the seat belt is in good condition, free from cuts and frayed edges.

ALWAYS remain in the driving seat whenever the engine is running. Never attempt to operate any controls unless seated.

ALWAYS apply the parking brake before leaving the driver's seat.

NEVER dismount with the engine running, and never leave the machine unattended with the key in the starter switch.

When Battery Isolators are fitted they must be activated only when the engine is turned off except in cases of emergency.

Activating a Battery Isolator when the engine is running can result in damage to the electrical components and circuits.

NEVER fill the fuel or hydraulic tanks with the engine running.

ALWAYS drive only on surfaces that are known to be stable.

ALWAYS keep the floor plates and walkways clean.

NEVER drive the machine close to the edge of any excavation. Always use effective wheel stops to prevent the machine running close to the edge. Make sure that the stops are in proportion to the size of the wheels and are set sufficiently far enough back from the edge of any excavation to prevent the weight of the load causing a collapse.

NEVER adjust the tyre pressures in an attempt to improve traction on soft ground or obtain a softer ride on hard ground. Incorrectly adjusted tyres can affect the steering and handling characteristics.

NEVER attempt to free a machine which is 'bogged down' by pushing with the bucket of a backhoe loader, tracked excavator or other similar machine.

NEVER make unnecessary "crash stops" when travelling at speed, especially in forward direction.

NEVER work under an unpropped skip. If the dumper was supplied with a special skip support always ensure that it is used.

SKIPS AND LOADING

WARNING *NEVER* exceed the rated payload. The weights of all loads above skip water level must be checked.

NEVER remain on the machine when loading the skip with excavators or loaders. Stop the engine, apply the parking brake, dismount, and stand well clear.

ALWAYS ensure that the load is evenly distributed in the skip.

NEVER carry loads or heap materials in such a manner as to affect the forward vision.

ALWAYS take extra care when tipping non free running loads.

NEVER use the skip in a tipped position to bulldoze heaped materials level or to backfill material into excavations.

TOWING

WARNING NEVER attempt to start the engine of a dumper by towing or pushing.



Dumpers are not designed as towing vehicles. However, trailers may be towed provided that:

- 1 The combined weight of the trailer and its load does not exceed the dumper "drawbar pull of 250kg (2500N)" and dumper "drawbar load of 50kg (500N)".
- 2 Trailers may be towed in first gear on level dry ground, provided a purpose made towing pin is used.
- 3 The dumper skip must be loaded with half the rated payload to ensure tyre adhesion when braking.

NEVER tow loads up, down or across gradients.

GRADIENTS

WARNING *NEVER* operate *Two Wheel Drive rigid chassis dumpers* on any gradients which exceed 10% (1 in 10), or across gradients which exceed 10% (1 in 10).

ALWAYS remember that slippery or loose surface conditions can adversely affect safe machine operation, including braking, particularly on gradients.

ALWAYS choose routes that avoid steep, slippery or loose gradients.

NEVER coast down gradients. Always negotiate gradients in first gear.

ALWAYS drive forwards up gradients when loaded.

ALWAYS reverse down gradients when loaded.

ALWAYS keep the load facing uphill.

NEVER park on a gradient. If this is unavoidable, ALWAYS chock the wheels.

NEVER attempt to turn on a gradient

NEVER tow up, down or across a gradient.

NEVER operate high discharge or rotating skips on gradients.

HYDRAULICS

WARNING ALWAYS "Dump" residual pressure from the system before leaving the machine or before carrying out any maintenance or adjustments.

If maintenance work requires the skip to be in the raised position, then it must be raised and supported before dumping the pressure.

Dump pressure by switching off the engine, then moving the hydraulic control lever several times in each direction.

NEVER leave the machine unattended with pressure in the system.

ALWAYS purge hydraulic rams before commencing work. With the engine running operate the hydraulic control to fully extend and retract the rams.

ALWAYS practise the greatest cleanliness in maintaining hydraulic components.

SERVICING

WARNING ALWAYS report any defect at once, before an accident or consequential damage can occur.

ALWAYS conform to service schedules except where:

- 1 Warning lights or warning indicators call for immediate attention.
- 2 Adverse conditions necessitate more frequent servicing.

ALWAYS wear correctly fitting protective clothing. Loose or baggy clothing can be extremely dangerous when working on running engines or machinery.

ALWAYS, where possible, work on or close to engines or machinery only when they are stopped. If this is not practical, remember to keep tools, test equipment and all parts of your body well away from the moving parts.

ALWAYS "Dump" pressure from the hydraulic system before carrying out any kind of maintenance or adjustment. (see Service - Hydraulic system).

ALWAYS avoid contact with exhaust pipes, exhaust manifolds and silencers when the engine is running; these can be very hot.

ALWAYS work out of doors, or in a well-ventilated area.

NEVER run an engine in an enclosed space. Exhaust fumes in enclosed areas can kill.

ALWAYS disconnect battery cables and remove battery before using an external charger, carrying out welding repairs or to prevent unauthorised usage when unattended or during a repair.

NEVER allow unqualified personnel to attempt to repair, remove or replace any part of the machine, or anyone to remove large or heavy components without adequate lifting tackle.

NEVER attempt to modify or repair Rops Frames or Fops Canopies by welding, drilling or any other means. Attempts to do so will invalidate Rops/Fops Certification.

ALWAYS obtain advice before mixing oils; some are incompatible. If in doubt drain and refill.

NEVER allow oils and fuels to come into regular contact with skin. This can lead to serious skin diseases including, medical evidence suggests, skin cancer. ALWAYS wear protective gloves when handling oils and fuels whether topping up, draining or refilling. ALWAYS wash hands if oils or fuels come into contact with the skin.

Many liquids used in this machine are harmful if taken internally or splashed into the eyes. In the event of accidentally swallowing oils, fuels, anti-freeze, battery acid etc, *DO NOT* encourage vomiting, seek qualified medical assistance immediately.

ALWAYS dispose of waste oils and fuels into waste oil storage tanks. If storage tanks are not available consult your distributor or local authority for addresses of local designated disposal points. It is illegal to dispose of waste oil into drains or water courses or to bury it.

Equipment which includes friction materials will sometimes contain asbestos. When removing friction material dust from components, such as when servicing brakes or clutches, do not blow out with an airline; it could be harmful to inhale the dust. Remove the dust with a vacuum cleaner or wipe clean with a damp rag. Waste should be placed in a sealed container, marked, and disposed of in accordance with local or national regulations.

The accumlated dust found in clutch housings may contain lead/antimony. No food should be eaten at a work place contaminated by this dust. Hands must be washed before eating. Do not blow out dust with an airline.

NEVER work under an unpropped skip. If the dumper was supplied with a special Skip Support always ensure that it is used.

ALWAYS ensure that when using a starting handle that it is clean and in good condition. Keep the engine starting dog and the part of the starting handle that mates with it lightly lubricated (Refer to the Engine Handbook).

PREPARATION FOR USE

BEFORE THE DUMPER IS PUT INTO SERVICE ALWAYS CHECK THE FOLLOWING POINTS:-

(See Fig. 1)

Engine

Check the oil level on the dipstick (A), topping up if necessary to the full mark. See also 'Recommended Lubricating Oils', page 12.

Gearbox

Check the oil level on the dipstick (B), topping up if necessary to the full mark. See also 'Recommended Lubricating Oils', page 12.

Drive Axle

Remove level plug (C) and check that oil is up to bottom of hole. Top up if necessary through filler plug (D). See also 'Recommended Lubricating Oils', Page 12.

Steering box

Remove oil level/filler plug (E) (accessible through bracket) and top up if necessary. See also 'Recommended Lubricating Oils' Page 12.

Fuel Tank

Remove filler cap (F) and fill with diesel oil until approximately 1" from the top.

NOTE: Never allow fuel level to fall below 2" deep in the bottom of the tank.

6. Miscellaneous

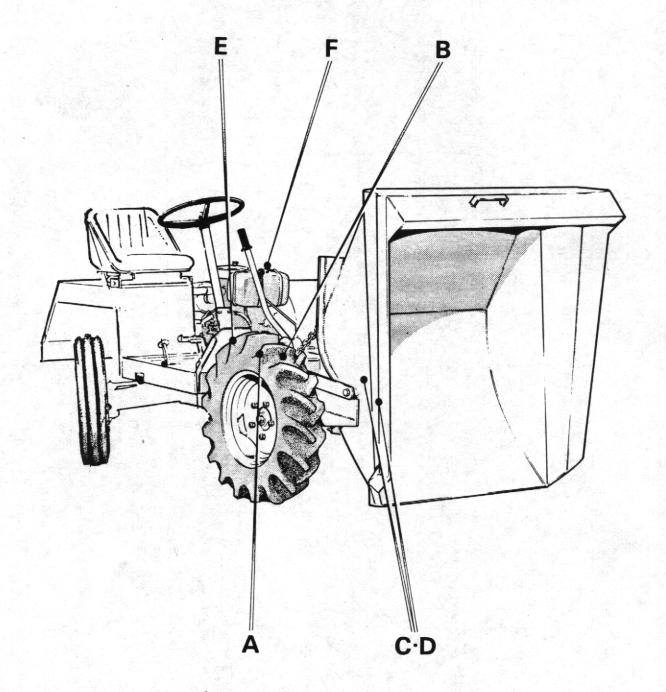
Check all wheel nuts for tightness.

Check all nuts and bolts for tightness. Loose nuts and bolts may lead to damage not covered by the Dumper Warranty.

7. Hydraulic Brake System (if fitted)

Ensure the brake master cylinder reservoir is full of brake fluid. Top up if necessary to within 1/4" of the top of the reservoir. Use only brake fluid that conforms to SAE. J 1703.

N.B. For further Lubrication information see Fig. 5 and corresponding text (pages 8 & 9).



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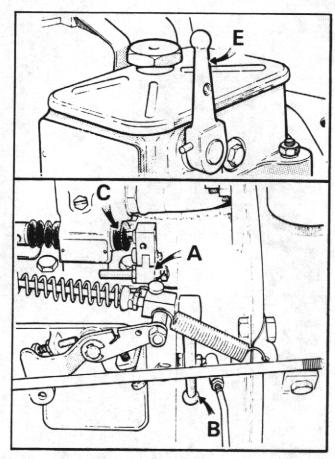
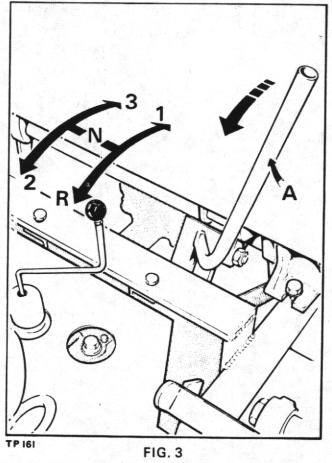


FIG. 2



OPERATION

Starting

(See fig. 2)

- 1. Lift red-painted overload stop (A) situated on fuel pump immediately above priming lever (B), and move fuel pump racks (C) into fully-open position.
- Operate priming lever (B) six times.

NOTE: This is unnecessary if engine is already warm.

- Lift decompression lever (E), positioned on top of engine and turn engine as fast as possible using starting handle. When engine is turning at a good speed knock down decompression lever and engine should fire.
- If engine does not fire, lift decompression lever and slowly crank engine a few times before
 attempting to start again. Where ambient temperature is 5°F (-15°C) or below, a cold starting
 aid should be fitted.

Stopping

(See fig. 2)

Hold the fuel pump rack (C) in the fully forward position, or lift the priming lever to the horizontal, until engine stops, then release.

IMPORTANT:

- DO NOT stop engine by means of decompression levers, this will lead to damaged valve seats and cylinder head joints.
- DO NOT stop engine by closing fuel tap or by allowing fuel tank to run dry. This will allow air into fuel lines and necessitate bleeding and priming system.

Gear shift lever

(See fig. 3)

The 3S Dumper is fitted with three forward gears (1), (2), (3) and one reverse gear (R). When changing gear, the clutch pedal is used in the normal manner.

Skip Dump Lever

(See fig. 3)

The skip dump lever (A) is located directly behind the skip. To deposit load, Pull lever backwards. A manual operation returns the skip to its carrying position.

GENERAL MAINTENANCE

Periodic Maintenance

- DAILY check engine oil level and fill to full mark on dipstick, if necessary.
- DAILY fill fuel tank, Never allow there to be a depth of less than 2" of fuel in tank.
- WEEKLY check oil level in gearbox and fill to full mark on dipstick, if necessary.
- WEEKLY remove level plug from drive axle. Oil level should be to bottom of hole. Top up, if necessary.
- 5. WEEKLY remove level/filler plug from steering box and top up if necessary.
- WEEKLY apply grease to all grease nipples.
- WEEKLY check all wheel nuts and tighten, if necessary.
- 8. WEEKLY check tyre pressures (32 lbs./sq. in.)
- OCCASIONALLY check all nuts and bolts and tighten, if necessary.

Lubrication (See fig. 5)

Period	Key to Fig.	Description	Lubrication	No. of points
Daily	1	Engine	Engine oil	1
Daily	2	Fuel tank	Diesel Fuel	1
	3	Gearbox	Gearbox oil	1
	4	Drive Axle	Axle oil	1
	5	Steering box	Axle oil	1
	6	King pins	Grease Gun	4
Weekly	7	Track rod ball ends	Grease Gun	2
	8	Drag link ball ends	Grease Gun	2
	9	Accelerator Pedal	Grease Gun	1
	10	Footbrake Pedal	Grease Gun	1
	11	Clutch Pedal	Grease Gun	1
	12	Clutch Transfer lever	Grease Gun	1
	13	Clutch Cross shaft	Grease Gun	2
	14	Skip release lever pivot	Grease Gun	2
	15	Drive Axle Hub bearings	Grease Gun	2
	16	Brake compensator lever	Grease Gun	1
	17	Brake master cylinder reservoir (if fitted)	Brake fluid	1

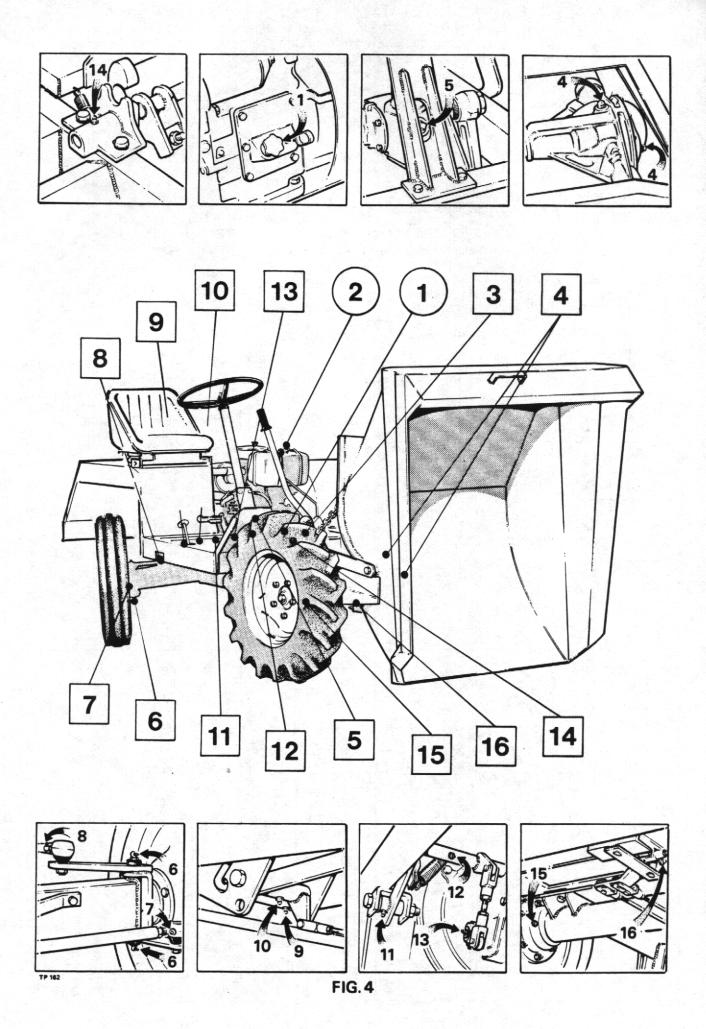
NB. FOR RECOMMENDED LUBRICATING OILS SEE CHART ON PAGE 12.

Oil Capacities

Engine	5 pts.	(2.86 litres)	Drive Axle 8 pts. (4.57 litres
			Gear Box 1½ pts. (.86 litres)

NOTES: 1. The rear steering axle and stabilizer assembly articulation points consist of bearings that require no lubrication.

- 2. The drive from gearbox to axle is through flexible couplings that require no lubrication.
- For full details of the lubrication and maintenance of the engine refer to Manufacturers Manual.



Hydraulic Brake System

The brake system is designed to require the minimum of maintenance, and providing the hydraulic fluid in the reservoir is not allowed to fall below the recommended level, no defects should normally occur. Fluid loss must be supplemented by topping up the reservoir with brake fluid that conforms to SAE J 1703. No other fluid may be used. If air is present in the system it will be indicated by sluggish response of the brakes and by spongy action of the brake pedal. This may be due to air being introduced at a loose joint or by the reservoir fluid level being allowed to fall very low. These defects must be remedied immediately and the complete system bled.

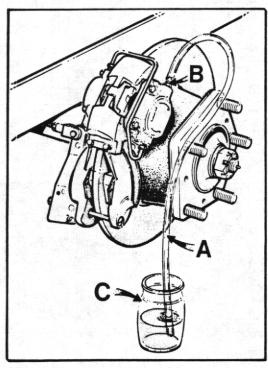
To bleed the system, proceed as follows:-

- 1. Check that all connections are tight and all bleed screws are closed.
- Fill reservoir with brake fluid.
- 3. Attach bleeder tube (A) (See fig. 5) to one of the bleed screws (B) and immerse other end in a small quantity of brake fluid contained in a glass jar (C). Slacken bleed screw and operate brake pedal up and down to its full stroke, until fluid pumped into the jar contains no air bubbles. Hold down pedal and close bleed screw. Remove bleeder tube and release pedal.
- Repeat on the other bleed screw.
- 5. Continue until all air has been bled from the system.
- 6. Lock both the bleed screws and top up the reservoir to the correct level.
- Apply normal working load on brake pedal for two or three minutes and examine the entire system for leaks.

NOTE: DURING THE OPERATION IT IS ESSENTIAL THAT THE RESERVOIR LEVEL IS KEPT TOPPED UP TO PREVENT FURTHER AIR BEING DRAWN INTO THE SYSTEM. ONLY USE NEW FLUID FOR TOPPING UP.

Brake Adjustment (Drum Brakes) (See fig. 6)

- Ensure handbrake is fully off.
- 2. Pull off rubber cover from brake adjuster (A).
- Screw adjuster clockwise until brakes are fully on.
- Slacken adjuster anti-clockwise until brake shoes are just clear of drum. This will cause shoes
 to be centralised on drums and ensure that whole brake lining area is used,



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FIG. 5

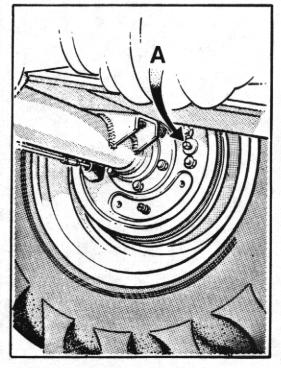


FIG. 6

MACHINE SPECIFICATION

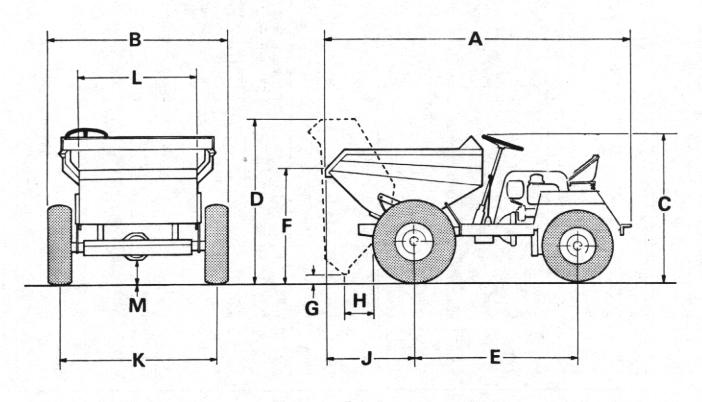
Key	to Fig. 7		
Α.	Overall length	9'-4''	(284 cm.)
B.	Overall width	5'-3''	(160 cm.)
C.	Overall height	4'-7''	(140 cm.)
D.	Overall height when tipped	4'-10'4''	(148 cm.)
E.	Wheelbase	5'-0''	(152 cm.)
F.	Skip loading height	3'-5"	(104 cm.)
G.	Skip ground clearance when tipped	4"	(10 cm.)
Н.	Discharge forward of tyre	11"	(28 cm)
J.	Overhang	2'-10"	(87 cm.)
K.	Wheeltrack	4'-7''	(140 cm.)
L.	Prow width	3'-31/2"	(100 cm.)
M.	Ground clearance	10"	(25 cm.)

Skip Capacity

Water level	18.2 cu.ft.	(515 litres)
Struck level	27 cu.ft.	(0.76 m ³)
Heaped level	34 cu.ft.	(0.962m ³)
Max. Payload	2520 lb.	(1144 kg.)
Miscellaneous		
Turning circle	22ft 4in.	(6.8 m.)
Unladen weight	2352 lb.	(1068kg.)
Rear Axle articulation	1ft 2 in.	(35.5 cm.)

Road Speeds

• 7800	M.P.H.	K.P.H
1st	2.6	4.25
2nd	6.1	9.8
3rd	11.3	18.2
Rev.	2.9	4.7



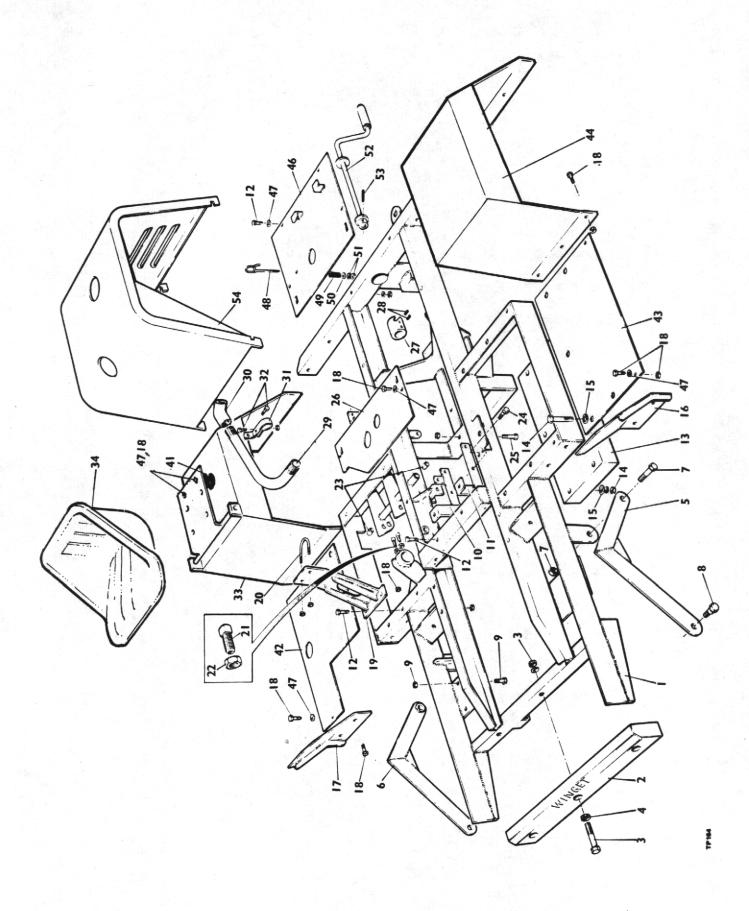
RECOMMENDED LUBRICATING OILS

		ENGINE	TRANSFER BOX & DRIVE AXLE	GEARBOX	WHEEL BEARINGS & OTHER GREASE POINTS	HYDRAULIC SYSTEM
SUN	SUMMER	ESSOLUBE HDX 20W	GEAR OIL GP 90/140	ESSOLUBE HDX 30	BEACON 2	NUTO H44
ABOVE O-32 ⁰ (Overgees) BELOW	ABOVE 32°C 0-32° BELOW 0°C	ESSOLUBE HDX 30 ESSOLUBE HDX 20W ESSOLUBE HDX 10W	GEAR OIL GP 140 GEAR OIL GP 90/140 GEAR OIL GP 80	ESSOLUBE HDX 30	BEACON 2	NUTO H 54 NUTO H 44 NUTO H 40
	SUMMER	DEUSOL CRB 20	DEUSOL GEAR EP 90	DEUSOL CRB 30	CASTROL SPHEEROL APT 2	
CASTROL ABC	ABOVE 32°C 0-32°C BELOW 0°C	DEUSOL CRB 30 DEUSOL CRB 20 DEUSOL CRB 10	DEUSOL GEAR EP 140 DEUSOL GEAR EP 90 DEUSOL GEAR EP 80	DEUSOL CRB 30	CASTROL SPHEEROL APT 2	CASTHOL HYSPIN AWS 32
SUN	SUMMER	ROTELLA SX QIL 20/20W	SPIRAX 90 EP	ROTELLA SX OIL 30	RETINAX A	
SHELL ABC 0-3 (Oversees) BEL	ABOVE 32°C 0-32°C BELOW 0°C	ROTELLA SX OIL 30 ROTELLA SX OIL 20/20W ROTELLA SX OIL 10W	SPIRAX 140 EP SPIRAX 90 EP SPIRAX 80 EP	ROTELLA SX OIL 30	RETINAX A	TELLUS OIL 27
SUN	SUMMER	VANELLUS M20W	GEAR OIL SAE 90 EP	VANELLUS M30	ENERGREASE L2	
BP ABC 0-3 0-3 (Overseas) BEL	ABOVE 32°C 0-32°C BELOW 0°C	VANELLUS M30 VANELLUS M20W VANELLUS M10W	GEAR OIL SAE 140 EP GEAR OIL SAE 90 EP GEAR OIL SAE 80 EP	VANELLUS M30	ENERGREASE L2	ENERGOL HLP 65
SUN	SUMMER	DELVAC 1220	MOBILUBE HD 90 MOBILUBE GX 90	DELVAC 1230		
ABC	ABOVE 32°C	DELVAC 1230	MOBILUBE HD 140 MOBILUBE GX 140		MOBILGREASE MP	DTE 24
9	0-32°C	DELVAC 1220	MOBILUBE HD 90 MOBILUBE GX 90		SUPER	
(Overses) BEL	(Overses) BELOW 0°C ALL TEMPERATURES	DELVAC 1210 DELVAC SPECIAL 10W-30	MOBILUBE GX 80	DELVAC 1230		
	SUMMER	CENTLUBE HD 20	CENTURY EP 90	CENTLUBE HD 30	REGULUS A2	CENTURY PWLA HYD OIL
WALKEHS CENTURY ABO 0°C Owersess BEL	ABOVE 32°C 0°C-32°C BELOW 0°C	CENTLUBE HD 30 CENTLUBE HD 20 CENTLUBE HD 10	CENTURY EP 140 CENTURY EP 90 CENTURY EP 80	CENTLUBE HD30	REGULUS A2	CENTURY PWLA HYD OIL

PARTS SECTION

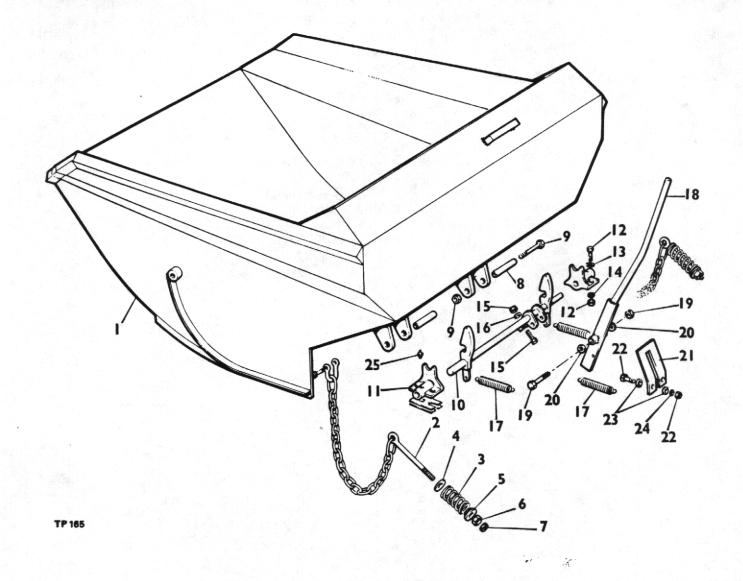
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CHASSIS, MUDWINGS & COVERS

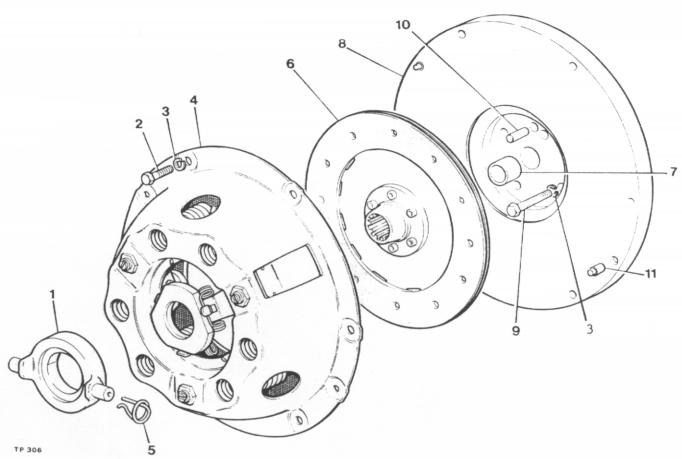
Item No.	Part No.	Description	Qty.
1	40233.A01	Chassis	. 1
	L-335-1	Chassis (for m/c's with disc brakes)	. i
2	C-147	Ballast weight	
3		Bolt 3/4" BSF x 3½" long & Nut	. 1
4		Flat Washer 3/4" dia	. 3
5	L-279	Skin radius rod I. H.	. 3
6	L-279	Skip radius rod B.H.	. 1
7	L 2/J	Skip radius rod R.H.	. 1
8	C-176	Bolt M20 x 55mm long & Nut	. 2
9	C-170	Skip radius rod bolt	. 2
10	1 200	Axle mounting bolt 1/2" BSF x 1 3/4" long & Nut	. 4
	L-290	Gearbox support R.H	. 1
11	L-290	Gearbox support L.H	. 1
12		Bolt MTU x 35mm long & Nut	. 8
13	L-254	Ballast weight	. 1
14		Bolt 5/8" whit. x 4½" long & Nut	. 5
15		Flat washer 5/8" dia	10
16	L-283	Mudflap L.H.	. 10
17	L-283	Mudflap R.H.	. !
18		Rolt M10 v 25mm long & Nut	. 1
19	C-117	Bolt M10 x 25mm long & Nut	. 22
20	C-125	Steering column support	. 1
21	0-125	'U' Bolt & Nuts	. 1
22		Cup point screw M12 x 25mm long	. 2
	WDOOOO	Locknut M12	. 2
23	WB0808	Rush	2
24		Bolt 3/8" UNF x 3/4"	4
25		Bolt 1/2" BSF x 2 1/4" long & Nut	4
26	L-284	Gearbox Cover	- 1
27	L-259	Starter Dog	1
28		Grub Screw 7/16" whit x 1/2" long	2
29	C-165-1	Exhaust Pipe	1
30	181S.03	Exhaust Socket	1
31	L-315	Exhaust Pipe. Support Brkt.	'
32		Bolt M6 x 16mm long	1
33	40220.A01	Mudwing R.H	2
34	20072.A01	Cont	1
35	20072.1102	Seat	1
55		Mushroom Head Screw 1/4" UNC x 3/4" long & Nut .	4
41	10519.A01	Seat Bubbar Spring	
42	L-286	Seat Rubber Spring	1
43		Footplate R.H.	1
	L-285	Footplate L.H.	1
44	40220.A02	Mudwing L.H	1
46	L-287	Rear Cover	1
47		Flat washer 10mm dia	22
48	L-287A	Starting handle retaining clip	1
49	L-256C	Spring	1
50		Flat washer 1/4" dia	i
51		나는 이 얼마나는 아이는 아니는 아이를 하는데 하는데 하는데 아이는 아이는 사이를 나왔다면 하는데 하는데 되었다면 하는데 되었다.	
52	L-294	그 사람들이 사용하는 가장에 가장하는데 가장하다면 하는 사람들이 가장 하는데	2
53			1
54	40000 400	Tension Pin 3/8" dia x 2 1/4" long	1
J-1	40232.A02	Engine Cover	1



SKIP & RELEASE LEVER

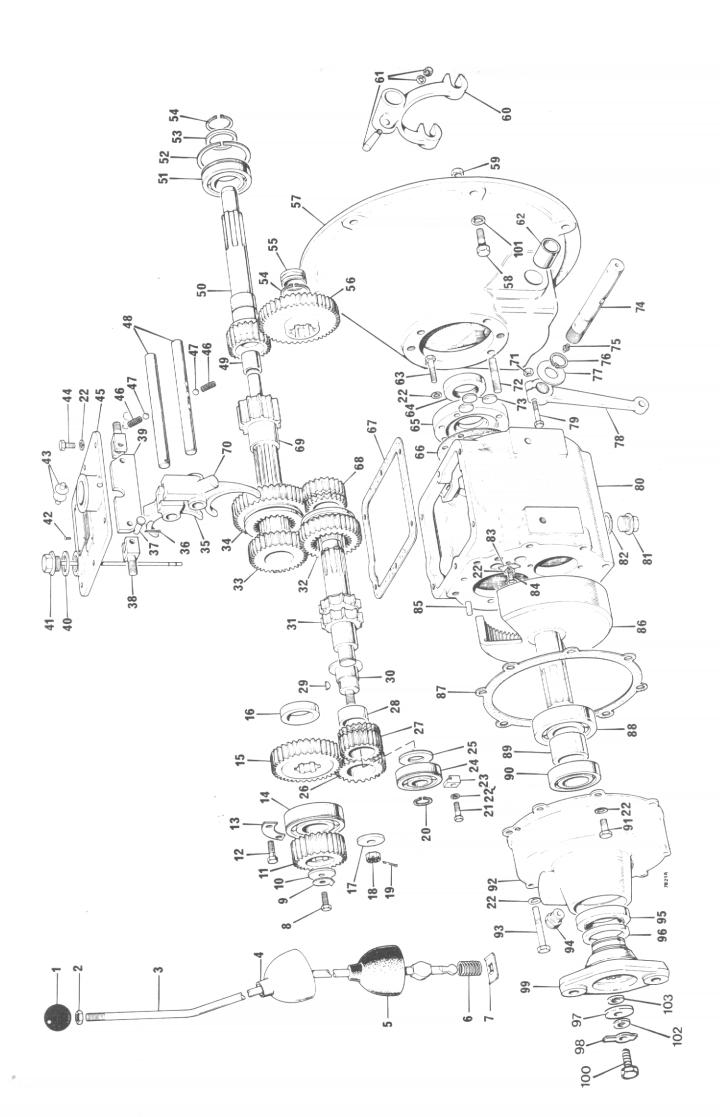
Item No.	Part No.	Description Oty
1	L-250	Skip
2	L-255	Skip stub chain
3	L-256B	Skip stub spring
4		Flat Washer 5/8" dia (Punched)
5	L-303	Skip Stub, spring boss
6		Nut 5/8" whit
7		Locknut 5/8" whit
8	C-140A	Skip catch tube
. 9		Bolt 5/8" BSF x 4 1/2" & Nut
10	L-270	Skip Catch Hook
11	L-275	Skip Catch Bracket
12		Bolt 1/2" BSF x 1 3/4" long & Nut 4
13		Flat washer 1/2" dia 4
14		Shakeproof washer 1/2" dia 4
15		Adjuster Bolt 5/8" whit x 2" long & nut
16		Shakeproof washer 5/8" dia
17	C-173B	Spring
18	L-274	Catch Handle
19		Pivot Bolt 5/8" BSF x 3 1/4" long & Nut
20		Flat washer 5/8" dia
21	L-273	Catch Gate
22		Bolt 3/8" BSF x 1 1/4" long & Nut
23		Flat washer 3/8" dia 4
24		Shakeproof washer 3/8" dia
25	T-ST	Grease nipple
	불과 발표를하고 하시스를 함께 모르는 이번 때	그는 이 사는 이 사람들에 가득하고 있다. 그리고 있는 사람들이 얼마나를 하는 것이 없는 사람들이 살아 있다.

FLYWHEEL AND CLUTCH ASSEMBLY



Item No.	Part No.	Description	Qty.
1	10579A01	Clutch Release Bearing	1
2	28S02D	Screw Set	6
3	41S04	Washer Spring	10
4	10597A01	Cover Assembly	1
5	10579A101	Retainer Spring	2
6	10598A02	Drive Plate	1
7	10580A0101	Bush	1
8	10580A02	Flywheel Assembly	1
		(comprises of items 7, 8, & 11)	•
9	1S02C	Bolt, Petter PH Engine	4
		(drill for locking wire)	-
9A	6S02B	Bolt, Lister Engine	4
		(drill for locking wire)	-
10	C321	Dowel	1
11	10580A0102	Dowel	2
			_
	10948A02	Clutch Kit	1
		(comprises of items 1, 4, 5 & 6)	-

It is recommended that instead of drilling the head of the bolts (item 9) for locking wire that one of each of tabwashers part no's 10531A02 and 10531A03 are used to prevent the bolts working loose.

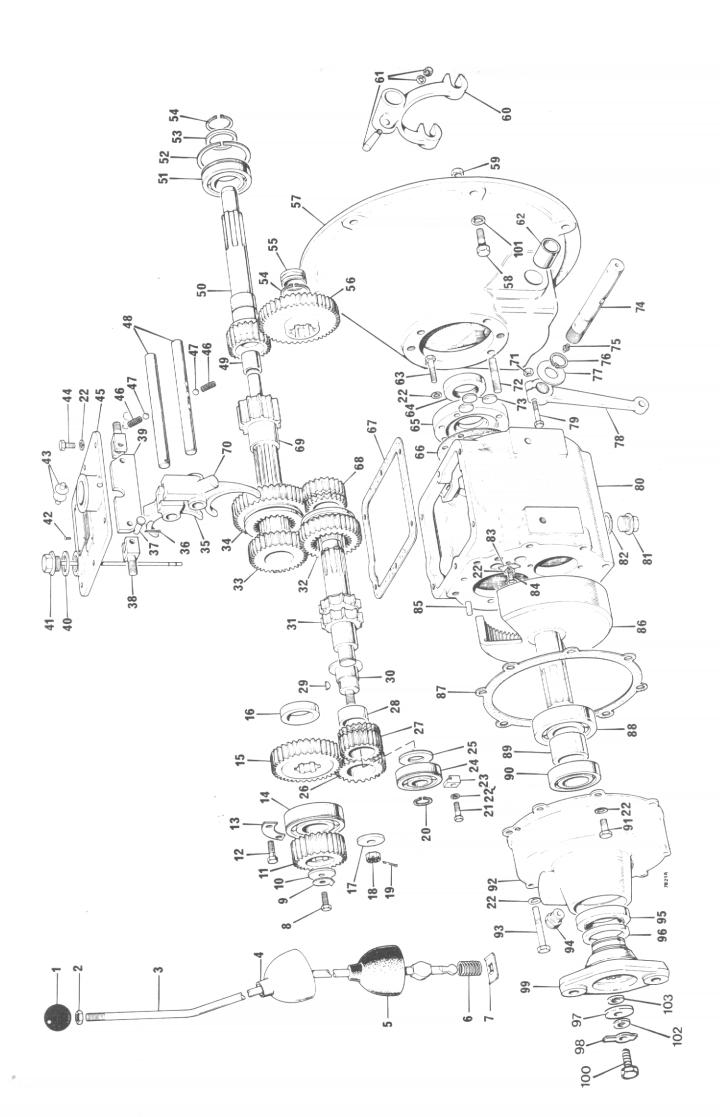


GEARBOX 40M/42 - NEWAGE 30106.A01



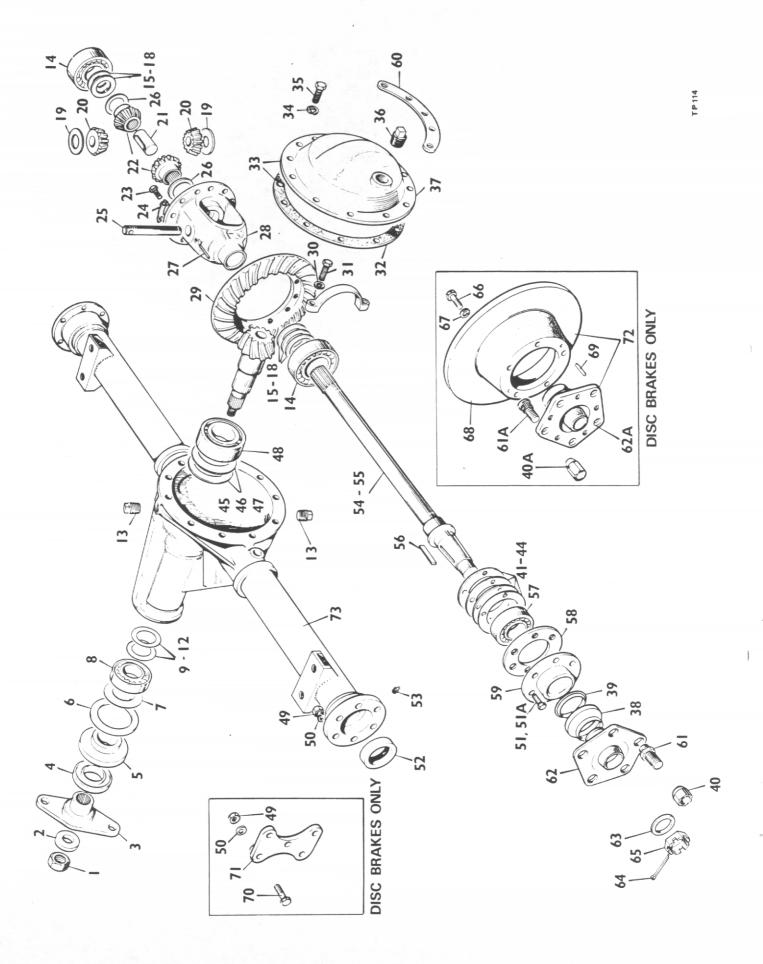
	_			
	Item No.	. Part No.	Description	Qty.
	-			
	1	30101.A0201	Knob	1
	2	95S 03	Gear Lever,	1
	3	30101.A0202	Gear Lever, =	1
	4	30101.A0203	Cap - Gear Lever	1
	5	30101.A0204	Cover - Gear Lever	1
	6	30101.A0205	Spring - Gear Lever	1
	7	30101.A0206	Retaining Plate - Gear Lever	1
	8	28S.03E	Screw - Mainshaft	1
	9	30190.A0101	Lock Washer - Tab	1
	10	30190.A0102	Washer - Reduction Pinion	1
	11	30190.A0103	Reduction Pinion	1
	12	28S.01B	Screw - Bearing Retainers	_
	13	30190.A0104		2
	14		Bearing Retainer - Small	1
	15	30101.A0210	Bearing - Mainshaft Rear	1
		30101.A0211	Output Gear	1
	16	30101.A0212	Spacer - Output Gear	1
	17	30101.A0213	Washer - Reverse Pinion Gear	1
	18	102S .04	Nut - Reverse Spindle	1
	19	44S 302C	Split Pin	1
	20	30101.A0215	Circlip	1
	21	28S01D	Screw	2
	22	01\$چ	Washer	A/R
	23	30190 A0105	Clip, Layshaft Bearing	2
	24	30101.A0216	Layshaft Bearing	1
	25	30101.A0217	Bearing Spacer	1
	26	30101.A0218	Reverse Pinion	1
	27	30101.A0219	Reverse Speed Gear	1
	28	30101.A0220	Bush - Reverse Pinion	1
	29	30101.A0221	Key, Reverse Pinion Shaft	
	30	30101.A0222	Shaft, - Reverse Pinion	1
	31	30101.A0222		1
	32		Layshaft	1
	33	30101.A0224	2nd Speed Sliding Gear	1
		30101.A0225	2nd Speed Gear	1
	34	30101.A0226	1st Speed Gear	1
	35	30101.A0227	Selector Fork 2nd & 3rd	1
	36	44S.01C	Split Pin, Interlock	2
	37	30101.A0228	Clevis Pin, Interlock	2
	38	30101.A0229	Stud, Interlock	2
	39	30101.A0230	Interlock Plate	1
	40	42S 105	Seal, Dipstick	1
	41	30101.A0232	Dipstick	1
	42	30101.A0233	Drive Screw	4
	43	30101.A0234	Pad - Gear Lever	2
	44	28S.01C	Screw - Top Cover	6
	45	30101.A0235	Top Cover	
	46	30097.A0185	Detent Spring	1
	47	30101.A0236	Detent Ball	2
	48	30101.A0237		2
	49	30101.A0237	Selector Shaft	2
	50		Bearing, Primary Shaft	1
	50	30101.A0239	Primary Shaft	1
Commence of the Commence of th	ORTANT:	With effect from	om G/Box Batch No.B 1238 the following changes	
	l take p	lace:-		
Iten	0		Description New Part No.	
41			Dipstick 30218.A0223	
31			Layshaft 30101.A0266	
55		30101.A0244	Bearing - Layshaft 30101.A0267	
	mı c			21

The layshaft will only be supplied complete with bearing as a replacement under part no. 30101.A0268 and will be totally interchangeable with current layshaft. (New Oil Capacity now 2 Litres previously .85 Litres)



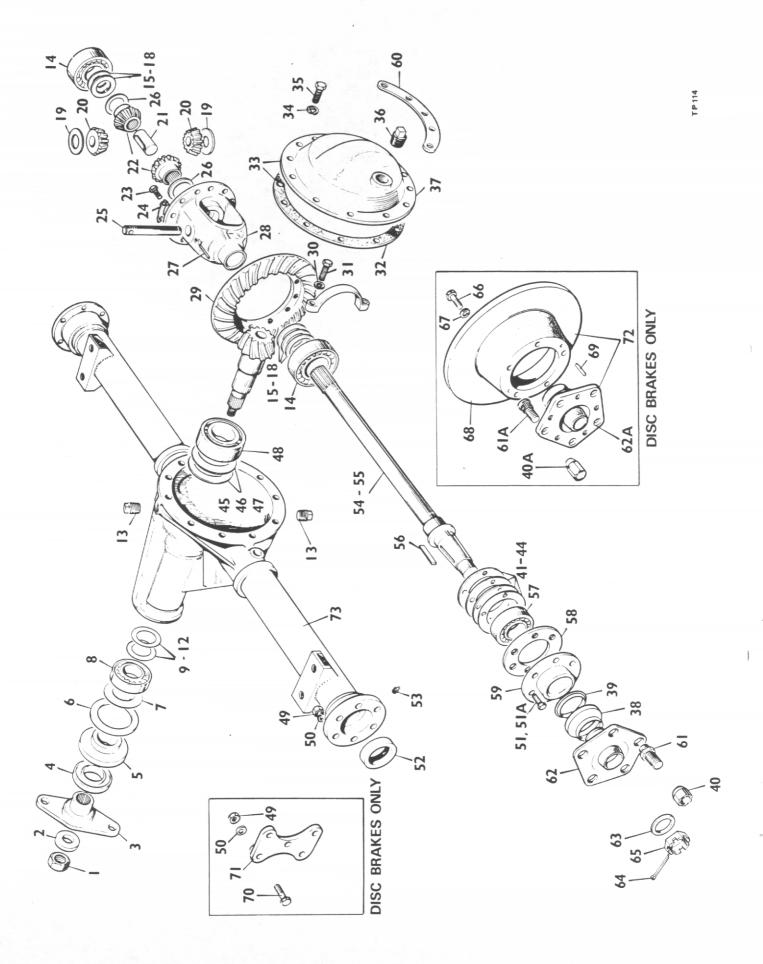
GEARBOX 40M/42 - NEWAGE 30106.A01

Item No.	Part No.	Description	Qty.
51	30101.A0240	Input Bearing	1
52	30101.A0241	Snap Ring	1
53	30101.A0242	Bearing Spacer	1
54	30101.A0243	Circlip	2
55	30101.A0244	Bush - Layshaft	1
56	30101.A0245	1st Reduction Gear	1
57	30101.A0246	Clutch Housing	1
58	3S.03E	Bolt - 3/8" B.S.F. x 1" (Petter) (G/Box - Eng.).	8
J 0	69S.03E	Bolt - 3/8" U.N.C. x 1" (Lister) (" " ").	8
59	9S.03E	Nut 3/8" U.N.F	
60	30097.A0110	Clutch Release Fork	6
61			1
62	30097.A0111	Cotter, Nut & Washer S/A	1
	30097.A0114	Bush, Cross Shaft	2
63	6S.01B	Bolt, Front Cover	4
64	30101.A0247	Oil Seal - Input	1
65	30101.A0248	Front Cover	1
66	30101.A0249	Joint, Front Cover	1
67	30101.A0250	Joint, Top Cover	1
68	30101.A0219	Reverse Speed Gear	1
69	30190.A0106	Mainshaft	1
70	30101.A0252	Selector Fork 1st & Rev	1
71	98.01	Nut, Clutch Lever	1
72	30101.A0253	Stud, Clutch Housing	6
73	30101.A0254	Sealing Disc, Selector Shaft	3
74	30101.A0255	Clutch Cross Shaft	1
75	30103.A0102	Grease Nipple	2
76	30101.A0256	Circlip	1
77	30097.A0133	Washer - Cross Shaft	1
78	30097.A0109	Clutch Release Lever	
79	6S.01C	Bolt - Clutch Lever	1
80	30101.A0262		1
81	30101.A0202	Casing	1
82	42S.05	Drain Plug	1
83		Seal, Drain Plug	1
	30101.A0259	Selector Locking Strip	1
84	28S.01C	Setscrew	2
85	30097.A0155	Dowel	2
86	30190.A0110	Internal Gear	1
87	30190.A0112	Joint - Reduction Housing	1
88	30190.A0111	Bearing - Internal Gear Front	1
89	30101.A0260	Spacer	1
90	30190.A0113	Bearing - Internal Gear Rear	1
91	28S.02D	Screw - Hex. Hd	5
92	30190.A0114	Reduction - Housing	1
93	6S.02J	Bolt - Hex. Hd.	1
94	30097.A0171	Breather	1
95	30097.A0132	Oil Seal - Rear	1
96	30101.A0265	Dust Shield	1
97	30101.A0208	Washer - Coupling	1
98	30101.A0207	Lock Wash	1
99	30105.A0102	Coupling	
100	28S.05E		1
101		Screw - Coupling	1
	418.05	Spring Washer	8
102	30143.A0111	Fibre Washer	1
103	30143.A0101	Fibre Washer	1



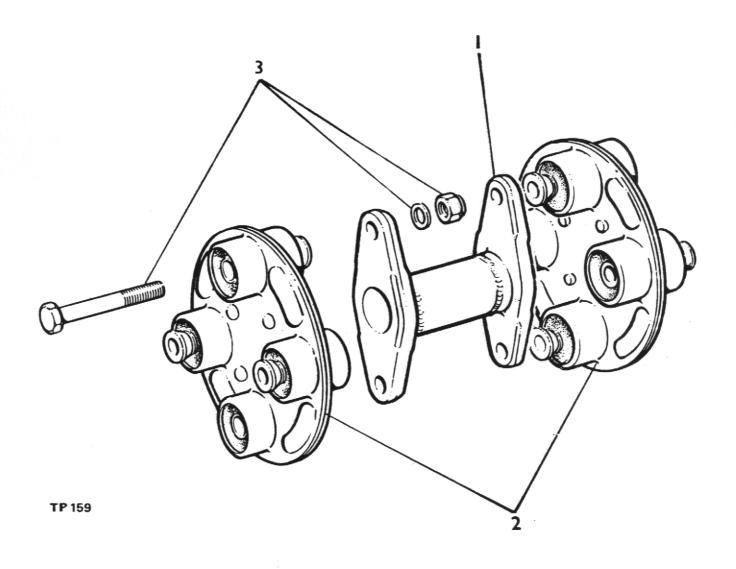
DRIVE AXLE

Item No.	Part No.	Description	Qty.
	5HA-001-274 5HA-001-174	Drive Axle Complete with drum brakes (1 per m/c) Drive Axle Complete with disc brakes (1 per m/c)	;)
1	12 LN-NF9B	Pinion Nut	1
2	12W-24	Pinion Nut Washer ¾" dia std. heavy pattern	1
3	3HA-102-10	Companion Flange Assembly	1
4	2HA-021	Companion Flange Dust Shield	1
5	8HA-019-3	Pinion Oil Seal	1
6	2HA-020	Pinion Oil Seal Gasket	1
7	2HA-036	Pinion Oil Slinger	1
8	5HA-022	Pinion Bearing, Outer	1
9	5HA-039	Pinion Bearing Adjusting Shim Outer .003"	A/R
10	5HA-040	Pinion Boaring Adjusting China Outer 2051	A/R
11	5HA-041	Pinion Bearing Adjusting Shim Outer .005"	
12	5HA-042	Pinion Bearing Adjusting Shim Outer .030"	A/R
13	HA-059	Filler and Drain Plug (each)	1
14	5HA-024/1	Differential Bearing	2
15	5HA-046	Differential Bearing Shim .003"	A/R
16	5HA-047	Differential Bearing Shim .005"	A/R
17	5HA-048	Differential Bearing Shim .005"	A/R
18	5HA-049	Differential Bearing Shim .030"	A/R
19	5HA-037	Differential Pinion Mate Thrustwasher	2
20	5HA-008-1	Differential Pinion Mate	2
21	5HA-033-3	Axle Shaft Spacer	1
22	5HA-007-2	Differential Side Gear	2
23	5HA-075-2	Drive Gear Screw	12
24	5HA-074-1	Duine Coon Tolomod	6
25	5HA-012	Differential Pinion Mate Chaft	1
26	5HA-038	Differential Cide Coor Thomas	2
27	5HA-013	Differential Divisor Mate Charles I Di	1
28	5HA-006	Differential Cose	1
29	5HA-105 15	Drive Gear and Pinion Assembly Complete	1
30	8 LW-115	Differential Descine Con Continued 1/1/1	4
31	8 B-NC-36	Differential Bearing Cap Springwasher ½" dia .	4
32	5HA-026	Gear Carrier Cover Gasket	1
33	5HA-064-17	Gear Carrier Cover Assembly	1
34	6LW-105	Cover Screw Springwasher	10
35	6B-NC10	Cover Screw	10
36	HA-059	Level Plug	1
37	5HA-064-1	Gear Carrier Cover	1
38	5HA-030-4	Shroud	2
39	5HA-032-14	Seal	2
40	C 177	Wheel Nut (Drum brakes only)	10
40A	R340	Wheel Nut (Disc brakes only)	10
41	5HA-050-3	Axle Shaft Bearing Shim .003"	A/R
42	5HA-051-3	Axle Shaft Bearing Shim .005"	A/R
43	5HA-052-3	Axle Shaft Bearing Shim .010"	A/R
44	5HA-053-3	Axle Shaft Bearing Shim .030"	A/R
45	5HA-043	Pinion Adjusting Shim, Inner .003"	A/R
46	5HA-044	Pinion Adjusting Shim, Inner .005"	A/R
47	5HA-045	Pinion Adjusting Shim, Inner .010"	A/R
48	5HA-023	Pinion Bearing Inner	1
49	6N-NF5	Bearing Retainer Nut 3/8" UNF	12
50	6W-12	Spring Washer	12
51	6B-NF 18/B	Bearing retainer bolt (drum brakes only)	12
51A	6B NF 21	Pooring rotainer halt /dias bustons 1.1	6
52	5HA-027	Avia Chaft Oil Caal	2
53	5HA-056-1	Aula Chaft Bassins Course Nicel	2
54	5HA-005-51	Ayla Chaft BU (agreenlets with No. 4)	
55	5HA-005-51	Aylo Choft I II (aggregate with NL 4)	1
56	5HA-029	Ayla Chaft Vay	2
57	5HA-025	Ayla Chaft Bassing	
58	5HA-035-5	Aula Chaft Dania Dani	2
59	5HA-057-3	Hub oil and assembly.	2
60	4-35-235	Differential	1
		Differential cover support	1



DRIVE AXLE (Cont'd.)

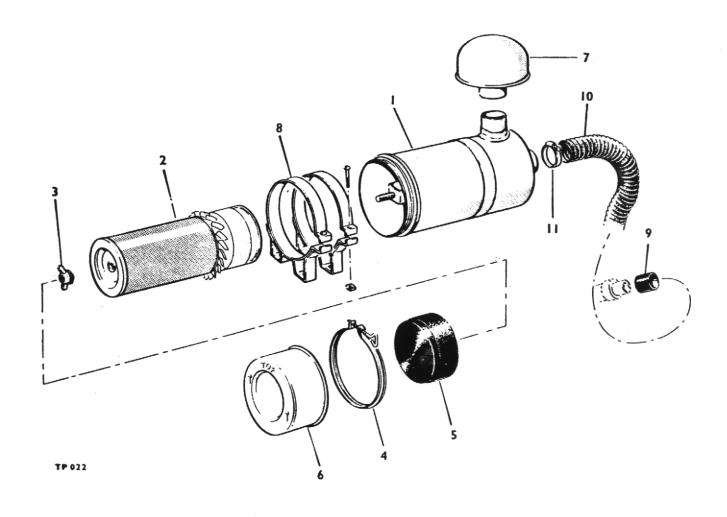
Item No.	Part No.	Description	Qty.
61 61 A	5HA-055-6 5HA-0≸5-17	Wheel stud (drum brakes only)	10
62	5HA-028-37	Wheel stud (disc brakes only)	10 2
62A 63	5HA-028-56 18W-32	Wheel hub c/w studs (Disc brakes only) Axle shaft washer	2
64 65	12SP-18 18-SN-NF-12	Axle shaft cotter 3/16" x 2"	2
66 67	6B-NF-21	Brake disc bolt (disc brakes only)	10
68	6LW-105 10HA-136	Brake disc bolt lockwasher (disc brakes only) . Brake disc (disc brakes only)	10 2
69 70	6D-16 6B-NF24A	Brake disc dowel (disc brakes only) Caliper bracket bolt (disc brakes only)	4 6
71 72	5HA-137 5HA-028-52	Caliper bracket (disc brakes only)	2
	5HA-082-5	Differential case Assembly (comprising items 19, 20, 21, 22, 25, 26, 27 & 28)	2
73	5HA-101-73	Service Carrier & Tube Assembly	1



PROPSHAFT

Item No.	Part No.	Description	Qty.
	76491	Prop shaft assembly complete	1
1	L307	Prop shaft tube	1
2	10325A01	Coupling	2
3	10326A01	Coupling bolt, washer and nut	8

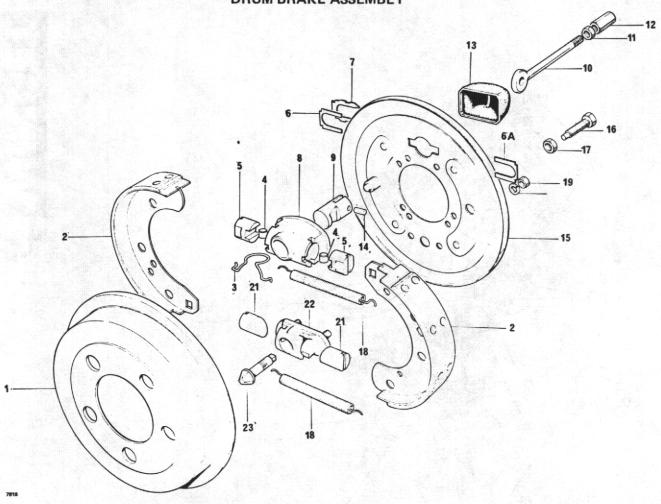
Item 3 consists of bolt 8S05L, flat washer 267S19 and binx nut 61S05



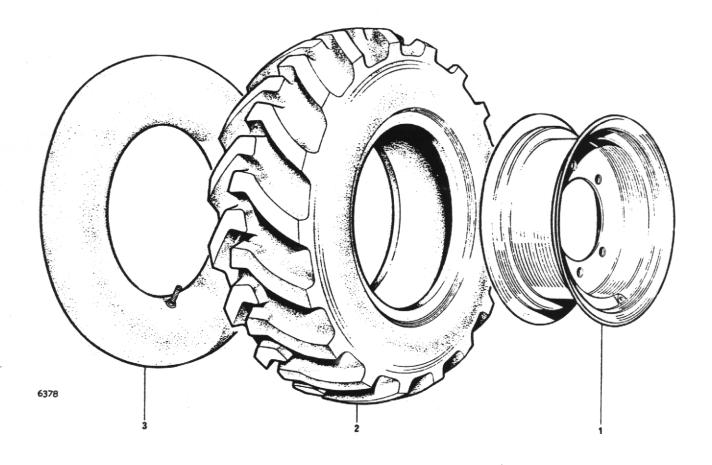
AIR CLEANER

Item No.	Part No.	Description	Qty.
1	10532A02	Air Cleaner Assembly	1
2	10532A0101	Element	1
3	V600487	Nut & Gasket Kit	1
4	220229002	Clamp Body	1
5	220229003	Skirt, baffle	1
6	220229004	Cup	1
7	10534A02	Stack Cap	1
8	10533A02	Bracket	2
9	10320A06	Sleeve Adapter	1
10		Hose Flexible 2" Bore x 35" Long	1
11	97S12	Clip Hose	2

DRUM BRAKE ASSEMBLY

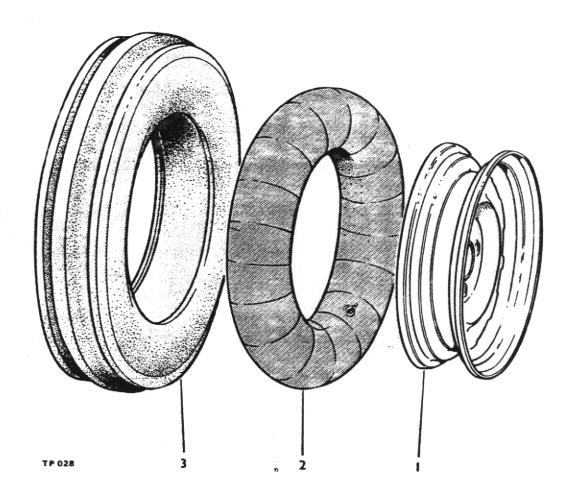


Item	Part No.	Description	Qty.
1	30088.A0128	Brake Drum	1
2	20298.A0101	Lined Shoe	2
2 3	20298.A0102	Spring	1
4	20298.A0103	Roller	2
5	20298.A0104	Tappet Expander	2
6	20298.A0105	Plate	1
6A	20298.A0106	Plate	1
7	20298.A0107	Locking Plate	1
8	20298.A0108	Expander Housing	1
9	20298.A0109	Plunger	1
10	20298.A0110	Drawlink	1
11	20298.A0111	Locknut	1
12	20298.A0112	Barrel Nut	1
13	20298.A0113	Dust Cover	1
14	20298.A0114	Pin	1
15	20298.A0115	Brake Back Plate	1
16	1S.02C	Setscrew 5/16" BSF	2
17	18.03	Nut 5/16" BSF	2
18	20298.A0116	Spring	2
19	20298.A0117	Nut	2
20	20298.A0118	Washer	2
21	20298.A0119	Tappet Adjuster	2
22	20298.A0120	Adjuster Housing	1
23	20298.A0121	Wedge	2
24	20298.A0122	Service Kit (Adjuster) (N.I.)	A/R
25	20298.A0123	Adjuster Assy. (Compr: 19-25)	A/R
26	20298.A0124	Expr. Assy. (Compr: items	
		3,4,5,8,9,10,11,12,& 14	A/R



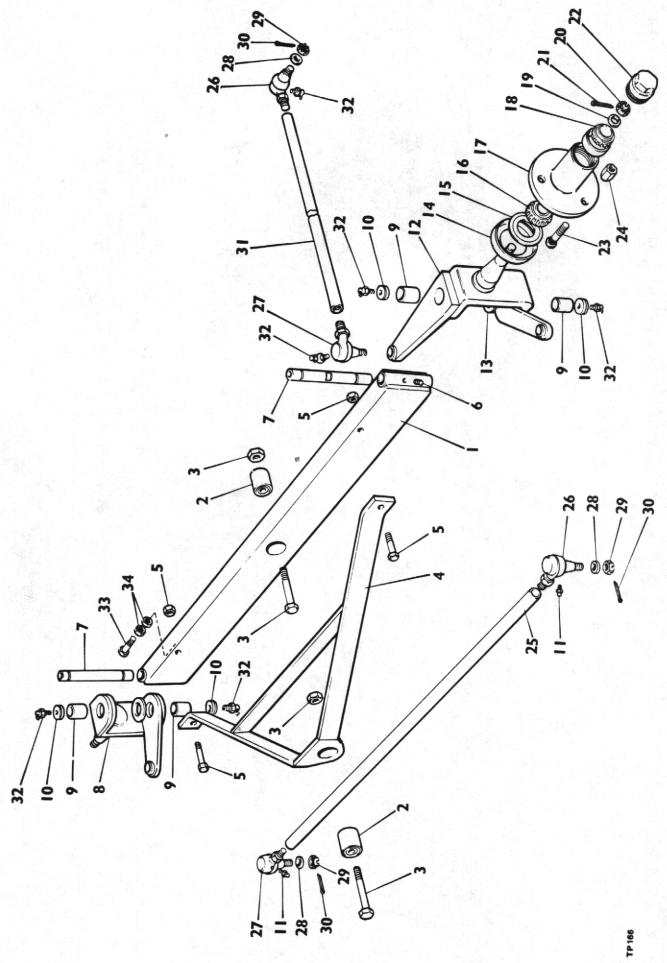
DRIVE WHEELS AND TYRES

Item No.	Part No.	Description	Qty.
1 2 3	24S04 24S03 30192A01 20S08 23S03	R/H Wheel Assembly L/H Wheel Assembly Wheel rim 5.50 x 16 Tyre 7.50 x 16-6 ply Tube 7.50 x 16	1 1 2 2



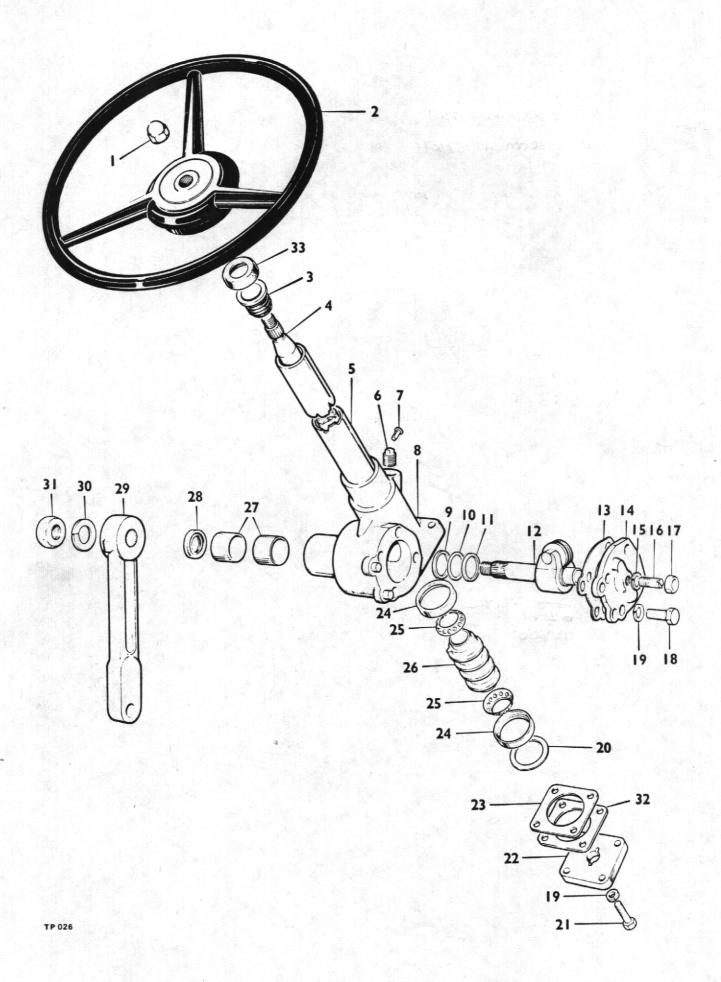
STEERING WHEELS AND TYRES

Item No.	Part No.	Description	Qty.
	24S37	Steering wheel complete	2
1	LP598	Wheel rim 4.00 x 16	2
2	23S01	Tube 5.50 x 16	2
3	21S02	Tyre 5.50 x 16-6 ply	2



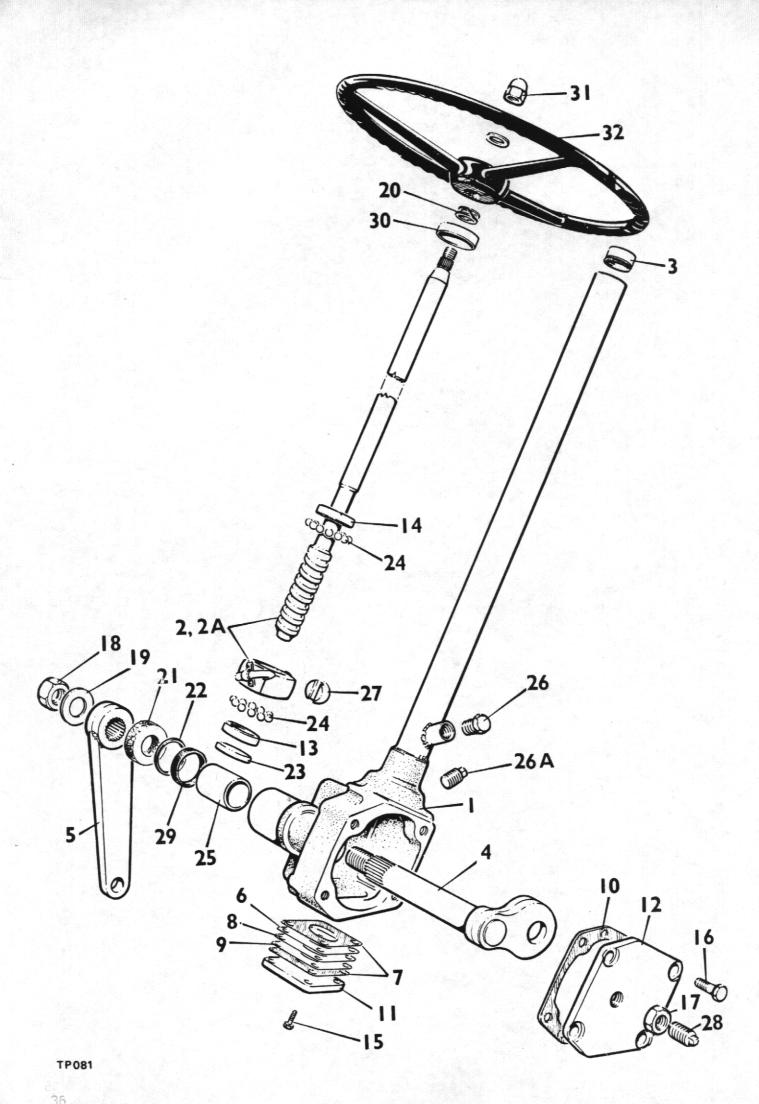
STEERING ASSEMBLY

Item No.	Part No.	Description	Qty
1	L-261	Axle Beam	1
2	E-2245	Axle & Stabiliser Bush	2
3 Bocs	6\$0BMM NOT 9\$07	Axle & Stabiliser Pivot Bolt 7/8" UNF x 4" long & Nut	2
4	L-262	Axle Stabiliser	1
5 BOW	6\$06M NUT 87807	Bolt 5/8" UNF x 3 1/2" long & Nut	2
6	C-111A	King Pin retaining screw 7/16" whit	2
7	L-264	King Pin	2
8	L-267-L.H.	Stub Axle Assembly L.H.	1
9	C-190	King Pin Bush	4
10	C-180A	King Pin washer — felt	4
	C-180B	King Pin washer – steel	4
11	T-ST	Grease nipple	2
12	L-267-R.H.	Stub Axle Assembly R.H.	1
13	C-175	Thrust washer	2
14	EC-2752	Dust Cover	2
15	C-186C	Hub bearing Oil seal	2
16	K-14138-1	Hub bearing (Inner)	2
17	C186	Hub Assembly Complete (Including items 14,15,16,	2
		18,22,23, & 24)	2
18	K-09074	Hub bearing (outer)	2
19		Hub washer 5/8" dia bright	A / D
20	C-186B	Hub Nut 5/8" BSF slotted	
21		Split Pin 1/8" dia	2
22	C-186A	Hub Cap	
23	0156	Wheel stud	2
24	C-177	Wheel Nut	6
25	L-308T	Track Rod	6
26	C-159-L.H.	Steering Ball Joint L.H.	1
27	C-159-R.H.	Steering Ball Joint R.H.	2
28	0 100 11.11.	Flat washer	2
29		Flat washer	4
30		Split Pin 1/8" dia x 1" long	4
31	L-308D	Dran Link	4
32	13502	Drag Link	1
33	6806F	Grease nipple	6
24	224	Stop Bolt 5/8" UNF x 2" long	2



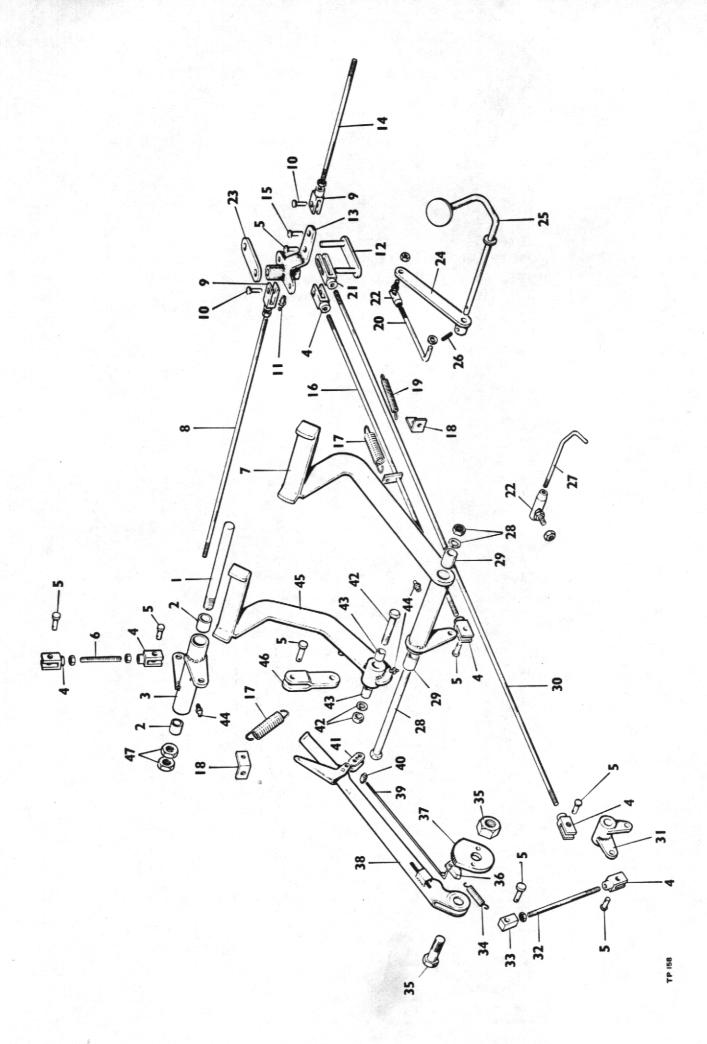
STEERING GEAR (CAM AND ROLLER TYPE)

Item No.	Part No.	Description (Qty.
	MGA 34845	Steering column assy. complete less items, 1,2 & 29 .	1
1	C 304	Steering wheel nut	1
2	347 K	Steering wheel	1
3	PA3904A	Column top bush	1
4	P5244/30"	Inner shaft	1
5	P3911/24"	Outer tube	1
6	S 9033	Oil plug	1
7	S 9166	Pin	1
8	PA4426	Steering box c/w item 14	1
9	P4151	Thrust washer	2
10	P 3308		A/R
11	P 4150	Thrust washer	2
12	PA5229/4¼"	Rocker shaft c/w roller	1
13	P3306A		A/R
14	QA757	Cover plate and bush	1
15	S 999	Spring washer	1
16	P 4222	Adjuster screw	1
17	P 4221	Nut	1
18	S 9240	Setscrew	4
19	S 902	Spring washer	8
20	P3342	Washer	1
21	S 9300	Setscrew	4
22	P 3907	Bottom cap	1
23	P 3301/.005"	rate Talian Balangaring California particles and the control of California California California California Cal	A/R
24	P 3341	Outer race	2
25	PA2733	Cage and balls	2
26	P 3340	Cam	1
27	P 3309	Bush	2
28	S 9242	Oil seal	1
29	M 29629	Drop arm	1
30	S 955	Spring washer	1
31	S 9332	Nut	1
32	P 3301G	Bottom cap liner	2
33	M33418	Inner column shroud	1



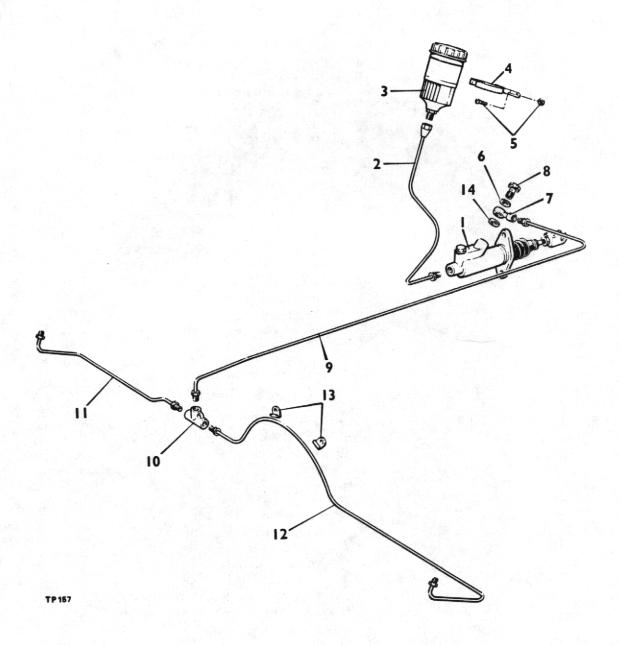
STEERING GEAR (RECIRCULATING BALL TYPE)

Item No	Part No.	Description	Qt
	11-077	Steering gear complete (less items 5 & 32)	
1	SA-01-183	Box and Tube assembly	1
2	SA-02-269	Inner column assembly and main nut (700mm long)	1
2A	SA-02-277	Inner column assembly and main nut (750mm long)	1
3	SA-21-004	Bearing assembly	
4	S-7-103	Rocker shaft	1
5	2SE90	Drop arm	1
6	S-10-14	End plate shim .005"	3
7	S-10-15	End plate gasket	2
8	S-10-42	End plate shim .002" . ,	2
9	S-10-111	End plate shim .010"	2
10	S-10-191	Cover plate gasket	1
11	S-11-83	End plate	1
12	S-12-186	Cover plate	1
13	S-23-32	Ballrace (small)	1
14	S-23-33	Ballrace (large)	1
15	10-3-37	End Plate bolt	4
16	10-4-16	Cover Plate bolt	•
17	11-7-2	Rocker shaft adjuster screw nut	1
18	11-8-7	Rocker shaft nut	1
19	12-8-36	Rocker shaft tab washer	
20	12-8-85	Spring	
21	12-9-61	Drop arm felt washer	
22	12-10-7	Oil seal retaining washer	
23	12-12-26	Inner column packing plate	
24	17-3-4	Steel ball	
25	19-9-17		1
26	21-8-4	Oil Plug	
26A	21-7-2	그런 사람들은 그리를 가는 그리고 있다면 하는 것이 없는 사람들이 되었다. 그리고 있는 사람들이 얼마나 되었다면 살아보다 되었다. 그리고 있다면 살아보다 그리고 있다면 살아보다 그리고 있다면 살아보다 그리고 있다면 살아보다면	1
27	24-5-5	Adain and a street	1
28	25-7-2	Dealer delle de la company de	1
29	27-9-6	Oil seal	
30	32-8-8	Dust cap	1
31	11-7-45	Dome nut	1
32	347K	Steering wheel	1



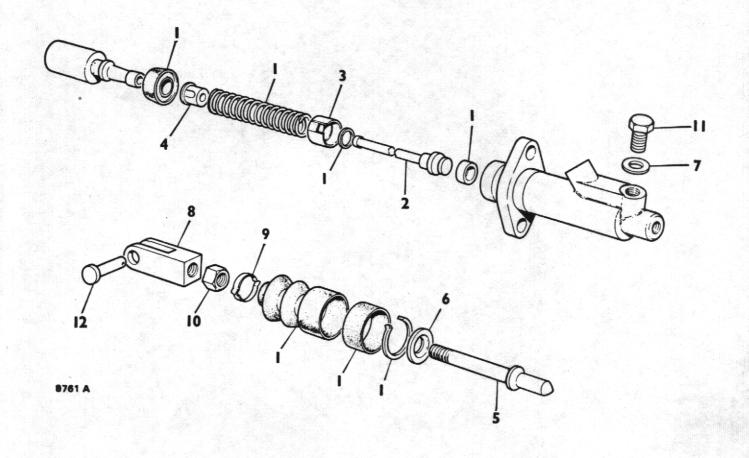
PEDALS & CONTROLS

Item No.	Part No.	Description	Qty
1	L357	Clutch Transfer Lever Pivot Pin	1
2	WB 0808	Clutch Transfer Lever Bush	1
3	L280	Clutch Transfer Level Bush	2
4	C 174 A	Clutch Transfer Lever	1
	C 174A	Fork End (Drum Brakes Only)	6
5	C 174 X	For End (Disc Brakes Only)	5
	C 174 X	Clevis Pin (Drum Brakes Only)	8
6		Clevis Pin (Disc Brakes Only)	6
6	C 184	Clutch Adjusting Rod (3/8" BSF)	1
7	C 122	Footbrake Pedal (Drum Brakes Only)	1
	C 258	Footbrake Pedal (Disc Brakes Only) — (Not Illustrated)	1
8	L 278 B	Brake Rod 1/4" UNF x 31.1/4" Long (Drum Brakes	
		Only)	1
	L 329/2	Brake Rod 1/4" UNFx30.1/2" Long (Disc Brakes Only)	1
9	C 174 C		2
and the second	C 174 C		4
10	C 174 Y	Clevis Pin (Drum Brakes Only)	2
	C 174 Y	Clavis Pin (Disa Prakes Only)	
11	5ST 100		4
12	C 271		1
12		Compensator Link Assembly (Drum Brakes Only)	1
	C 189 B	Compensator Link Pin (Disc Brakes Only) (Not	
10		Illustrated) .	2
13	C 272		1
	5ST 76	Compensator Lever (Disc Brakes Only) (Not	
		Illustrated) .	1
14	L 278 A	Brake Rod 1/4" UNF x 8.3/4" Long (Drum Brakes Only)	1
	L 329/1	Brake Rod 1/4" UNF x 8.1/4" Long (Disc Brakes Only)	1
15	C 174 XL	Clevis Pin (For slotted fork) – (Drum brakes Only) .	1
16	L 277A	Footbrake Rod 3/8" BSF x 40" Long (Drum brakes	
		1) : 40 : [11] : [12] : [12] : [13] : [13] : [13] : [14] : [14] : [14] : [14] : [14] : [14] : [14] : [14] : [14	1
17	C 173 B	보다. 경화님이 그는 그는 이 아는 아무슨 이번에 가면서 가면서 그래, 그래도 하는 그는 이번 그리고 있다면서 이 사람들이 살고 있다는 그는 그 없다면 하는데 그리고 있다면 그래 개념했다.	2
18	C 163	Spring Retainer	2
19	C 173 D		1
20	C 299	Accelerator Rod	1
21	C 174 B		
22	C 160 B		1
23	C 189 A	가는데 그런 사람들한데 대통이가 하는데 하는데 하는데 그리는 이 나가 되면 하는데 이렇게 하는데 되었다면 하는데	2
25	L 329/5	Compensator Link (Drum Brakes Only)	1
24	C 129	Compensator Link (Disc Brakes Only)	2
	C 129	2이는 뭐 없는 요즘 원론사회에 선생님이 사고 생생하는 그 사이 하면 생생이 사람이 생생하는데 있다면 그는 것이다. 그는 그는 그는 그는 그는 그를 모르는 그를 하는데 그를 하는데 모든 어머니?	1
25		Accelerator Pedal	1
26	C 129 A		1
27	L 295		1
28	C 122/A		1
29	WB 1212		2
30	L 277 B	11/0 1 0 10/0// 000 10 1/0// 10	1
	L329/3	H/Brake Rod 3/8" BSF x 49.1/2" (Disc Brakes Only)	1
31	L 292	11/0 1 +	1
32	L 306		i
33	L 309		1
34	14423/A		1
35	L298	옷이 가지 않는 그는 무슨 이 그가 아니라 아내가 가지하는 것으로 했다. 그리프라는 그리아이 아이를 가지 않는 그리아이다고 있다. 그리아이는 그 살아 이 그는 그리아이는 그렇게 그	1
36	14418/A		0.
37	C 156/A	일본지 뭐 하면 하면 그 그 그들은 그리고 있는데 그리고 말했다고 하면 되었다. 그리고 그렇지만 하고 그렇게 되었다. 그리고 그렇게	1
		그리는 그리, 맛있는 마셨어요 하는 이 바닷가는, (그리) 아이들이 모아하는 이상이 아이들과 생각이 아니는 아이들의 사람이 되었다. 그는 그는 그리는 아이들의 하는 사람이 모든 그리는 그리는 아니는	1
38	L 291	H/Brake Assembly Complete	1
39	14419/A	없는 그는 그렇게 얼마를 가려면 가게 되었다. 그는 그렇게 맛있는 그는 사람들이라는 그 그리고 살아가는 그 그리고 있다. 그는 그를 가게 하는 그는 그는 그는 그를 다고 있다. 그를 다고 있다. 그	1
40	000022/A		1
41	14425 A		1
42	C 126/A		1
43	WB 1010		2
44	T/ST		3
45	C 126	Clutch Pedal	1
46	L 296	Clutch Connecting Link	1
47		Half Nut 1/2" PCE	2



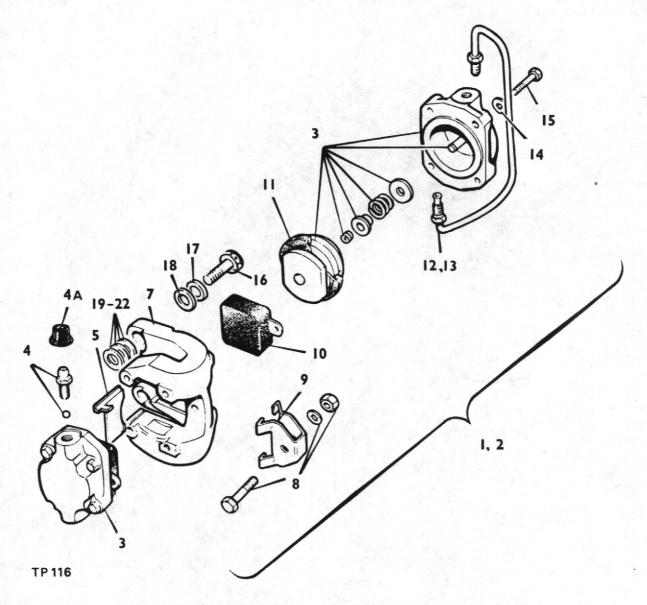
BRAKE PIPES AND FITTINGS

Item No.	Part No.	Description	Qty
1	64067970	Master Cylinder (complete)	1
2	DM 89-1	Pipe ¼" dia x 21" long (master cylinder to reservoir) .	
3	64046158	Reservoir	
4	64477544	Reservoir clip	
5		Screw 2BA x 1/2" long & locknut	
6	378700	Copper washer	
7	64474287	Banjo	
8	376102W	Banjo Bolt	
9	DM78-3	Pipe 3/16" dia x 43" long (master cylinder to tee)	
10	64474341	Tee piece	
11	DM78-2	Pipe 3/16" dia x 21" long (tee to RH brake caliper) .	
12	DM78-1	Pipe 3/16" dia x 38" long (tee to LH brake caliper) .	
13	4S132	Clip	1
14	378703	Copper washer	1



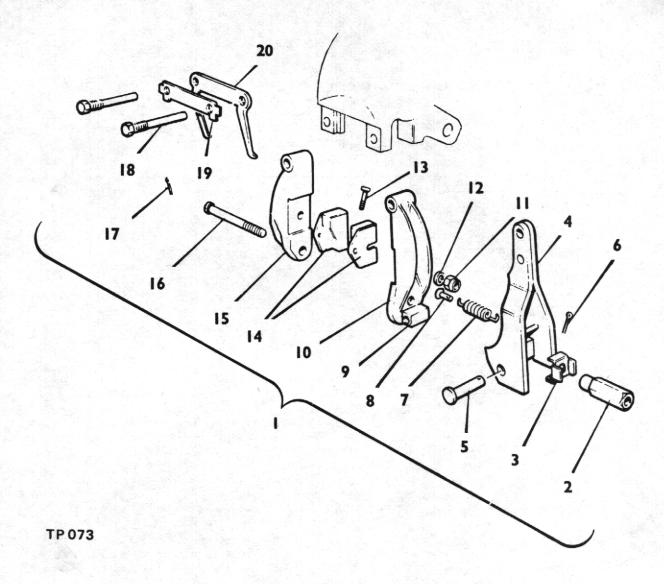
MASTER CYLINDER ASSEMBLY

Item No.	Part No.	Description	Qty.
	64067970	Master Cylinder (Complete)	1
1	SP 1996/2	Seal Kit	1
2	378641	Valve Stem	1
3	318001	Valve Spacer	1
4	64673391	Valve Spring Retainer	1
5	351257 W	Push Rod	1
6	378242	Retaining Washer	1
7	378700	Washer	1
8	64671286	Clevis	1
9	378312	Dust Cover Retainer	1
10	64100052	Locknut	1
11	64110348	Plug	1
12	C174 Y	Clevis Pin	1



BRAKE CALIPER ASSEMBLY

Item No.	Part No.		Description			Qty	
1	CB 90262		Capliper Assembly Complete (RH)			1	
2	CB 90263		Capliper Assembly Complete (LH)			1	
3	VBO 5505		Piston and Cylinder Assembly			2	
4	VBO 8378		Bleed Screw and Ball Assembly			1	
4A	CBO 849		Dust Cover (Bleedscrew)			1	
5	VBO 5133		Plate, Support			1	
6	CB 60253	a .	Body, Caliper (LH)	 ٠.		1	
7	CB 60252		Body, Caliper (RH)			1	
8	VBO 8491		Nut, Boit and Washer (Keep Plate)			1	
9	VBO 5123		Keep Plate			1	
10	VBO 8360Y		Friction Pad Complete (Set of 4)			1 set	
11	VBO 8210A		Seal Kit (Dust & Piston)			2	
12	VBO 3927		Bridge Pipe Assembly (LH)			1	
13	VBO 3926		Bridge Pipe Assembly (RH)			1	
14	VBO 6101L		Washer, Shakeproof			8	
15	VBO 5100		Bolt, Retaining (Cylinder)			8	
16	7BNF22B		Caliper mounting bolt			4	
17	7W16		Washer			4	
18	7W14		Washer			4	
19	5HA138		Shim .003"			A/R	
20	5HA139		Shim .005"			A/R	
21	5HA140		Shim .010"				
22	5HA141		Shim .030"			A/R	



HANDBRAKE ASSEMBLY

Item No.	Part No.	Description Qty
1	CB 90256	Handbrake Assembly complete RH
	CB 90257	Handbrake Assembly complete LH
2	CB 20258	Adjustment Nut
3	VBO 8307	Friction Spring
4	CB 20562	Lever Assembly
5	VBO 8315	Hinge Pin
6	VBO 6135 D	Split Pin
7	VBO 7329	Return Spring
8	VBO 7330 °	Spring Anchor
9	VBO 8308	Pivot Seat
10	CB 60249 8308	Pad Carrier Assembly Inner Complete with Pivot Seat . 1
11	VBO 6050	Nut 2 B.A
12	VBO 6101F	Washer
13	VBO 4124	Bolt
14	CB 20311Y	Friction Pad
15	VBM 4573	Pad Carrier Outer
16	CB 20289	Bolt
17	VBO 6158G	Split Pin
18	VBO 4190	Bolt
19	VBO 4226	Tab Washer
20	VBM 4635/1	Retraction Plate
		보이 그 보는 그들아, 아마지 그는 그렇게 위해 되어 하는 경기에서 그렇지 그게 그릇을 하면 어린이 본 그래를 하는데 그를 가지 않는데 없어 없다.

DECIMAL, FRACTIONAL AND METRIC EQUIVALENTS

Inches Fractions Decimals			Milli-	The second	Inches	aran No.	Milli-	
			metres		Fractions Decimals			
			0.015625	0.397	33/64		0.515625	13,097
	1/32 -		0.03125	0.794		17/32	0.53125	13,494
3/64 -			0.046875	1.191	35/64		0.546875	13.891
		1/16 —	0.0625	1.588		9/	16 - 0.5625	14.288
5/64 -			0.078125	1.984	37/64		0.578125	14.684
	3/32 -	1,04	0.09375	2.381			0.59375	15.081
7/64 -			0.109375	2.778	39/64		0.609375	15.478
		1/8 -	0.125	3.175		5/	8 0.625	15.875
9/64 -			0.140625	3.572	41/64		0.640625	16.272
	5/32 -		0.15625	3.969		21/32	0.65625	16.669
1/64 -			0.171875	4.366	43/64		0.671875	17.066
		3/16 -	0.1875	4.763		11/	16 - 0.6875	17.463
3/64 —			0.203125	5.159	45/64		0.703125	17.859
	7/32 -			5.556			0.71875	18.256
			0.234375	5.953	47/64		0.734375	18.653
-,		1/4 —		6.350		3	4 0.750	19.050
7/64 —			0.265625	6.747	49/64		0.765625	19.447
.,				7.144	45/04		0.78125	19.844
9/64	0/02		0.296875	7.541	51/64	20/32		20.241
3,04		5/16 —		7.938	31/04		16 - 0.8125	20.638
1/64 —		3/10	0.328125	8.334	53/64	13/	0.828125	
.1/04	11/32 _		0.320125	8.731	55/04	27/32		21.034
3/64	11/32 -		0.34375	9.128	55/64		0.859375	21.431
.0/04				9.126	00/04		이 잃어버린이 아이를 하죠? () 그렇게 다 가게 되었다.	21.828
25/64 —		3/6	0.375 0.390625	9.922	57/64	7,	0.890625	22.225
.5/04 —	13/32 —		0.40625	10.319	57/04		0.00000	22.622
7/64 —	13/32 —				E0/04	29/32	경우([설문] 중요하는 10 그는 10일을 경우 경기를 받았다.	23.019
7/04 —			0.421875	10.716	59/64		0.921875	23.416
9/64 —		7/16 —	0.4375	11.113	01/01		16-0.9375	23.813
9/04	1E/22		0.453125	11.509	61/64		0.953125	24.209
14/04	15/32 —		0.468/5	11.906	00/0-	31/32	0.96875	24.606
31/64 —			0.484375	12.303	63/64		0.984375	25.003
		1/2 —	0.500	12.700			1 1.000	25.400

INCHES INTO MILLIMETRES

Inches	0	1	2	3	4	5	6	7	8	9
0	0	25.40	50.80	76.20	101.60	127.00	152.40	177.80	203.20	228.60
10	254.00	279.40	304.80	330.20	355.60	381.00	406.40	431.80	457.20	482.60
20	508.00	533.40	558.80	584.20	609.60	635.00	660.40	685.80	711.20	736.60
30	762.00	787.40	812.80	838.20	863.60	889.00	914.40	939.80	965.20	990.60
40	1016.00	1041.40	1066.80	1092.20	1117.60	1143.00	1168.40	1193.80	1219.20	1244.60
50	1270.00	1295.40	1320.80	1346.20	1371.60	1397.00	1422.40	1447.80	1473.20	1498.60
60	1524.00	1549.40	1574.80	1600.20	1625.60	1651.00	1678.40	1701.80	1727.20	1752.60
70	1778.00	1803.40	1828.80	1854.20	1879.60	1905.00	1930.40	1955.80	1981.20	2006.60
80	2032.00	2057.40	2082.80	2108.20	2133.60	2159.00	2184.40	2209.80	2235.20	2260.00
90	2286.00	2311.40	2336.80	2362.20	2387.60	2413.00	-2438.40	2463.80	2489.20	2514.61

Use in conjunction with above table.

Example: Find equivalent mm. for 84 5/8". 84" = 2133.60 mm.

5/8" = 15.875 mm.

84 5/8" = 2149.475 mm.

CALIFORNIA

Proposition 65 Warning

Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects, and other reproductive harm