



**IMPACTOR IP400, IP500 and IP600
WASTE COMPACTORS – SERIES 2**

Installation, Operating and Servicing Instructions



Please make a note of your product details for future use:

Date Purchased: _____

Model Number: _____

Serial Number: _____

Dealer: _____

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INTRODUCTION

IMC Compactors are designed to reduce the bulk of waste by compression into a plastic bag within a purpose-designed trolley. The recommended type of waste is cardboard boxes, plastic containers, bottles, cans and dry food waste. It is important that these recommendations are adhered to. Any other use is against the manufacturer's advice and is beyond the design limitations of the unit. No legal liability can be deemed to attach to the manufacturer in respect of such misuse or wrongful application.

GUARANTEE

Each Impactor is guaranteed by Lincat for 2 Years from the date of its purchase from Lincat, or from one of its stockists, dealers or distributors. The guarantee is limited to the replacement of faulty parts or products and excludes any consequential loss or expense incurred by purchasers. Defects which arise from faulty installation, inadequate maintenance, incorrect use or fair wear and tear are not covered by the guarantee.

Please observe these instructions carefully.

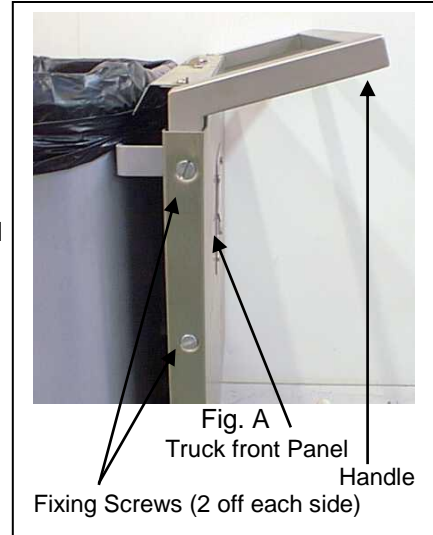
The guarantee applies in this form to installations within the United Kingdom. Contact your Impactor supplier first.

RECEIVING THE UNIT / UNPACKING INSTRUCTIONS

- Prior to unpacking check that there is no transit damage.
 - Stand the carton or crate on the end marked 'bottom'.
 - Remove the outer carton or crate panels.
 - Knock away the wooden blocks around the machine.
 - Lift latch handle on the truck and pull the truck out.
- Remove all the packaging materials from inside the truck and remove the following items:

Set of keys
 User manual
 Pair of truck liners
 100 bags with 100 wire ties (1 box) and tie twisting tool
 Truck handle - not fitted

IP500 and IP600 machines are delivered with the truck part-assembled. To assemble the truck handle remove the four fixing screws in the truck front. Slide the handle in place and refit the four fixing screws. (See fig. A)



- IP400 machines are delivered assembled with the following loose items inside the truck:
 Set of keys
 User manual
 Pair of truck liners
 100 bags with 100 wire ties (1 box) and tie twisting tool

To manoeuvre the IP400 truck: lift truck latch handle, raise the truck handle to the high position, lift the latch handle and lower the truck handle to fit truck into machine.

- Wheel the machine off its packing base.
- Inspect the machine carefully before disposing of the packing materials, and check that the machine and any accessories have been delivered undamaged.

If anything is missing or damaged, please notify both the carrier and the supplier within 24 hours of receipt.



Warning: This machine has a high centre of gravity, take care when manhandling it

Shipping specifications

Model	Weight/kg		Dimensions cm	Cube m ³
	Gross	Net		
IP400	223	193	176x60x73	0.770
IP500	373	298	187x77x90	1.296
IP600	474	377	210x96x110	2.218

PREPARATION

Strip off the protective vinyl covering from the stainless steel sheeting. If appearance is not an important factor it does no harm to leave this protection in place.

SITING AND INSTALLATION

For the installer:

These instructions contain important information designed to help the user obtain the maximum benefit from the investment in an IMC Waste Compactor.

Please read them carefully before starting work, and consult with the supplier in the event of any queries.

Please leave this Instruction Manual with the user after installation.

Procedure:

The Compactor is designed to reduce the volume of rubbish. The maximum advantage is gained if compaction is carried out at the point at which the waste arises. This results in minimum movement, reduced handling, and maximum cost savings. Alternatively, it is possible to order extra trucks for larger establishments or waste segregation.

Ensure that the Compactor is located on a flat and level floor. Ensure that sufficient additional space is available to allow the truck to be withdrawn. The front pair of castors are fitted with brakes, which can be locked into position by depressing the pedal. Push truck into machine, and ensure it is latched in.

ELECTRICAL CONNECTION

Standard machines are supplied as single phase units. 3 phase machines are supplied as variation to specification.

Before making the electrical connection check that the voltage of the supply is suitable for the machine. The details of the machine are on a rating label located on the rear panel.

All machines should be connected to a switched outlet.

Machine Type	Machine termination	Supply termination
Single phase machines 230-1-50 220/240-1-60 110-1-60	Mains lead terminated with a moulded plug, fitted with 10 Amp fuse	13 Amp switched socket
3 phase, 4 wire 220-3-60 440-3-60	Mains lead free end, wires marked: L1 (black) L2 (black) L3 (black) E (green / yellow)	Fused isolator switch rated at 10 Amps per phase.
3 phase, 5 wire 415-3-50 220-3-50 360/440-3-50 380/415-3-50	Mains lead free end, wires marked: L1 (black) L2 (black) L3 (black) N (blue) E (green / yellow)	Fused isolator rated at 10 Amps per phase

Note: On 3 phase machines to ensure that the Power Pack Motor rotates in the correct direction, connect the leads of the mains cable to the corresponding wires of the mains supply fused isolator switch. After connection to the isolator switch, switch on the isolator and press the green start button on the machine. If the hydraulic power pack runs but the ram does not operate the machine must be stopped immediately. Switch off at the isolator and exchange any two incoming phase wires.



WARNING - THIS MACHINE MUST BE EARTHED

OPERATING:

Preparing for Use

- Remove the truck by lifting the truck latch and pulling on the truck handle.
- Place an IMC bag into the truck and arrange for the bottom of the bag to cover the base of the truck. Then fold the top edges of the bag over and around the rim of the truck.
- Position the truck liners inside the bag.
- Push the truck back into the machine.

It is recommended that only IMC Impactor bags are used to achieve best results. Additional bags are available from Lincat or its distributors.

Operation

- Turn the key switch to select the ON position.
- Select NORMAL or CONSTANT operation.

If NORMAL is selected the unit will cycle once only: the ram will move to the down position, pause for four seconds and return to the fully up position where it will stop.

CONSTANT leaves the ram in the down position until released by turning the switch from constant to normal. Use this mode for resilient material which has resistance to compaction.

- Open the flap and place waste material into the truck. Waste may also be placed into the truck before is pushed into the machine.
(A useful tip is to commence with some cardboard which then forms a solid base in the bag. There is no need to sort waste, but it is not recommended to compact large amounts of glass).
- Close the flap fully and press the START button, the run indicator will light while the ram is moving or in the down position.
- The machine will not operate unless the truck is properly locked into position and the safety flap is closed.
- To stop the machine at any point in its cycle press the STOP button. To restart press the START button - the machine will continue its cycle.
- Continue compacting until the bag full light comes on. Bag full levels are dependent on the type of waste being processed. Do not overfill the truck as this makes it difficult to withdraw.

- When the truck is full, lift the truck latch handle and pull the truck out of the machine by its handle.
- Unlock the toggle clips at the front of the truck.
- Withdraw the truck liners by lifting vertically.
- Unfold the rolled over edges of the plastic bag and pull together.
- Twist the neck of the bag and fold a wire tie round the neck of the bag so that the two loops on the tie come together. Then insert the hook of the tying tool into both loops. Pull the handle and the tool will twist the wire tight, sealing the bag.
- Fasten the toggle clips on the truck.
- Wheel the truck to the garbage storage area. Unfasten the toggle clips, open the two truck doors and slide the bag out.
- Take care to re-engage the two doors correctly into the slots, close the toggle clips and return the truck to the machine.
- It is recommended that if the machine is not in use for long periods it is switched off at the key switch.

OVERLOAD PROTECTION

Under extreme load circumstances the Compactor might overheat. The switchgear contains an overload to prevent any damage to the motor. This device will automatically reset itself when cool, and it will only be necessary to wait a few minutes before the machine can be restarted.

Press the START button to reset and start the machine.

If any difficulty is encountered, please contact the supplier or the manufacturer.

MAINTENANCE

Keep the Compactor and the area around it clean at all times.

Remove the truck and then, by releasing the castor brakes, the unit may easily be moved to clean the floor beneath and behind it. (NB. Switch off the electricity supply at the isolator or unplug the unit before moving or cleaning).

It is advisable to clean the exterior stainless steel finish periodically with a stainless steel cleaning agent or a soapy cloth.

Once a year the hydraulic oil level must be checked by a Service Technician. This is done by removing the top and back panel, and checking the hydraulic oil level in the Power Pack reservoir. The Power Pack reservoir has a label showing maximum and minimum oil levels. These should be adhered to when checking levels. Replace with SOLENT VG68 oil, or equivalent.

A Service Contract for regular maintenance is recommended. Please contact Lincat Service Desk (01522 875520) for information.

FAULT FINDING

1 Pressing the green START button has no effect:

- Check that the key switch is switched on.
- Check the NORMAL/CONSTANT switch is set on normal.
- Check flap is fully closed.
- Check the truck is in the machine and fully latched in.
- Check electricity supply is on.
- Check the fuse in the plug.
- Check the electrical socket is functional.

2 The machine stops with the ram in the down position and RUN indicator light on.

- Check that the machine NORMAL/CONSTANT switch is set on normal.

3 The machine stops during its cycle and RUN indicator light is not lit:

- Check flap is fully closed.
- Check that the truck is fully home and latched in.
- Under extreme load condition the compactor might overheat. The switchgear contains an overload to prevent damage to the motor, this device will automatically reset when cool. Wait a few minutes then press the START button to reset and start the machine.
- Check electricity supply is on.
- Check the fuse in the plug.
- Check the electrical socket is functional.
- Check that the flap interlock switch is functioning by metering to check that with the flap closed, the switch contacts are made.
- Check that the truck switch is functioning by metering to check that with the truck latched in, the contacts are made.

For help with the installation, maintenance and use of your **Lincat** equipment, please contact our service department:

☎ UK: 01522 875520

For non-UK customers, please contact your local Lincat dealer

All service work, other than routine cleaning should be carried out by one of our authorised service agents. We cannot accept responsibility for work carried out by other persons.

To ensure your service enquiry is handled as efficiently as possible, please tell us:

- Brief details of the problem
 - Product code
 - Type number
 - Serial number
- } All available on serial plate

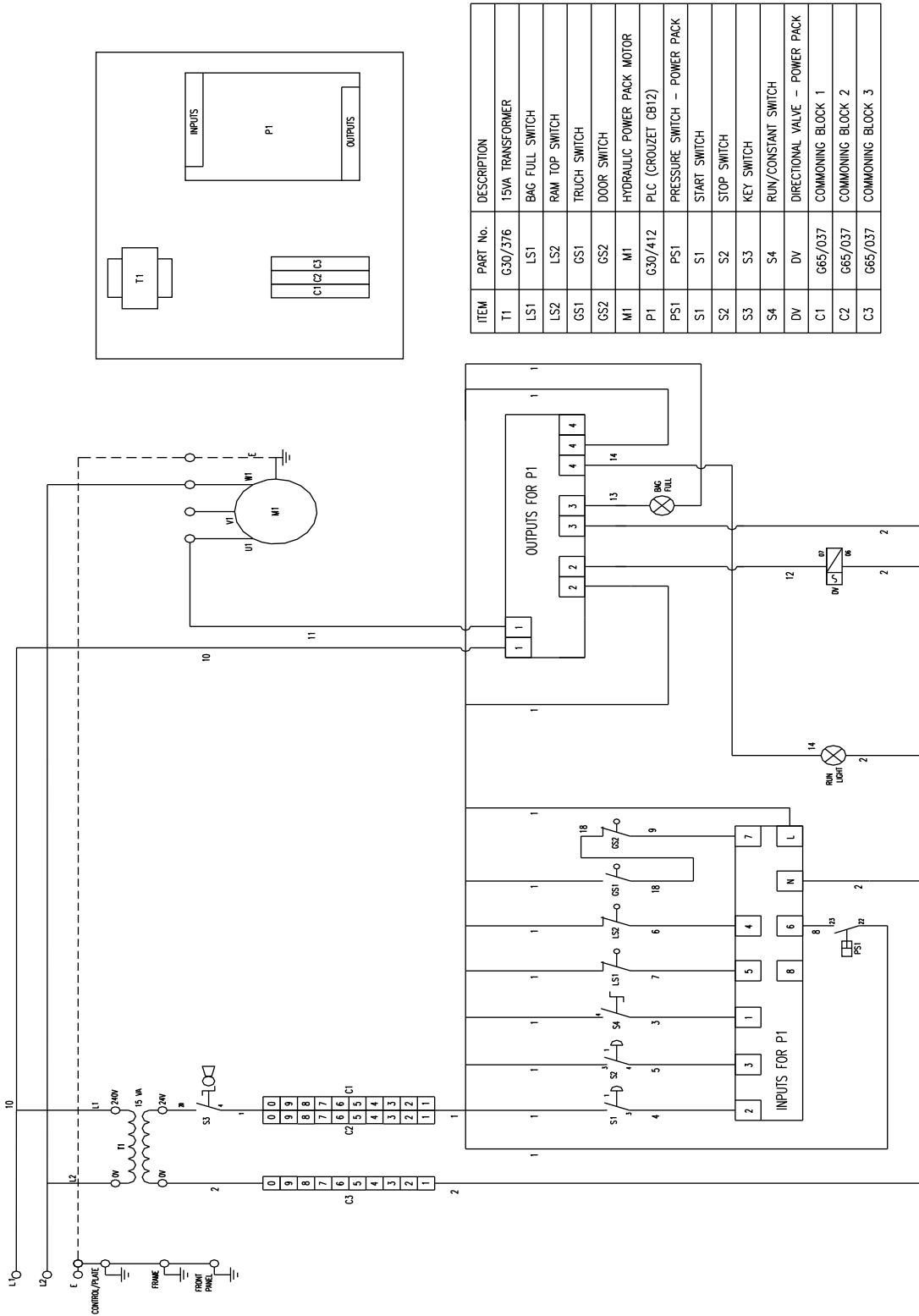
Lincat reserve the right to carry out any work under warranty, given reasonable access to the appliance, during normal working hours, Monday to Friday, 08:30 to 17:00.

ORDERING SPARE PARTS

In the event that spare parts or accessories need to be ordered, please always quote the **SERIES AND SERIAL NUMBER** of the machine. This is to be found on the rating plate located near the supply cable.

For installations outside the UK please contact your supplier.

**Wiring Diagram –
400, IP500 & IP600
110 - 240V – 1 phase, 50/60Hz
Fig. 1**



ITEM	PART No.	DESCRIPTION
T1	G30/376	15VA TRANSFORMER
LS1	LS1	BAG FULL SWITCH
LS2	LS2	RAM TOP SWITCH
GS1	GS1	TRUCH SWITCH
GS2	GS2	DOOR SWITCH
M1	M1	HYDRAULIC POWER PACK MOTOR
P1	G30/412	PLC (CROUZET CB12)
PS1	PS1	PRESSURE SWITCH – POWER PACK
S1	S1	START SWITCH
S2	S2	STOP SWITCH
S3	S3	KEY SWITCH
S4	S4	RUN/CONSTANT SWITCH
DV	DV	DIRECTIONAL VALVE – POWER PACK
C1	G65/037	COMMONING BLOCK 1
C2	G65/037	COMMONING BLOCK 2
C3	G65/037	COMMONING BLOCK 3

Parts Illustration – IP400
Fig.2



PARTS LIST IMPACTOR IP400, JANUARY 2021

To be read in conjunction with Figs 1-4. **NB Before ordering please read the note on page 9**

Item	Part No.	Description	Item	Part No.	Description
1	38540	Frame Welded Assy	7	856164	Latch Arm
	A19/007	Fixed Castors		K08/186	Carton wire ties, bags
	A19/008	Swivel Castors		K03/005B	Bag tying tool
	856069	Plate locking		856136	Lever arm, RH
	K11/015	Patio slab			
	856114	Strut (ballast)			
	L56/027	Plunger, male			
	L56/028	Plunger, female			
	L56/029	Guide			
	A18/012	Spring, compression			
2	A16/025	Hydraulic Ram	8	A10/224	M20 Gland Locknut
	A16/026	Hydraulic Power Pack		G80/029	M20 Cable Gland
	A16/047	IP Pressure Switch		856174	Enclosure backing plate
	C56/001M	Ram Plate Machining		G227A	Key Switch (head only)
	L56/009	Ram Guide Bearing		G30/414	Transformer
	L56/011	Guide Rod		G30/412 M1	CD12 PLC 24VAC
	856178	Bracket		G90/147	Terminal block
	J06/055	Hydraulic Hose Assy		G76/030 M1	Control box enclosure
	J08/010	Sealing Washer		G45/015	Pushbutton green flush
	J08/022	3/8" BSP Male/Male Fitting		G45/033	Pushbutton red
	K07/057	Lts SOLENT VG68 Oil		G45/056	Lever roller limit switch
				G45/057	Push roller limit switch
				G45/059	Selector switch 2-position
3	A21/012	Catch	G50/044	Bulb holder	
			G50/046	Bulb 28V A16-24	
4	856043	Access flap	G50/051	Green Lens	
	L56/018	Spacer	G60/101 M14	Mains Cable assy	
	L56/017	Spacer shouldered Nylon			
	L56/016	Modified screw			
5	856047	Side Panel R/H			
	856048	Back Panel			
	856038	Side Panel L/H			
	856041	Top Cap	G30/414	T1	
	A27/189	Sound barrier mat	G45/056	LS1 and LS2	
6	S56/049	Truck Assy	G45/057	GS1	
	856036	Handle	G45/056	GS2	
	A21/022	End latch	A16/026	M1 and PS1	
	S56/069	Truck Castor Assembly	G30/412	P1	
	A21/023	Paddle latch – 2 way	G45/015 and	S1	
	856084	Latch arm, LH	G45/016		
	856057	Truck liner	G45/016 and	S2	
	D12/074	3/32"x 1/2" Split Pin	G45/033		
			G227A	S3	
			G45/016 and	S4	
		G45/059			
		G65/037	C1, C2 and C3		

Wiring Diagram reference

Parts Illustration – IP500
Fig.3



PARTS LIST IMPACTOR IP500, JANUARY 2021

To be read in conjunction with Figs 1-4. **NB Before ordering please read the note on page 9**

Item	Part No.	Description	Item	Part No.	Description	
1	856119	Frame Welded Assy		S56/055	Carton wire ties, bags	
	A19/007	Fixed Castors		K03/005B	Bag tying tool	
	A19/008	Swivel Castors				
	856069	Plate locking	7	856127	Front panel top	
	L56/027	Plunger, male		856094	Hinge bracket upper	
	L56/028	Plunger, female		856095	Hinge bracket lower	
	L56/029	Guide				
2	A18/012	Spring, compression	8	A10/224	M20 Gland Locknut	
	A16/027	Hydraulic Ram		G80/029	M20 Cable Gland	
	A16/026	Hydraulic Power Pack		E56/174	Enclosure backing plate	
	A16/047	IP Pressure Switch		G227A	Key Switch (head only)	
	C56/003M	Ram Plate Machining		G30/414	Transformer	
	L56/009	Ram Plate Machining		G30/412 M1	CD12 PLC 24VAC	
	L56/011	Ram Guide Bearing		G90/147	Terminal block	
	856179	Guide Rod		G76/030 M1	Control box enclosure	
	J06/055	Bracket		G45/015	Pushbutton green flush	
	J08/010	Hydraulic Hose Assy		G45/033	Pushbutton red	
	J08/022	Sealing Washer		G45/056	Lever roller limit switch	
	K07/057	3/8" BSP Male/Male Fitting		G45/057	Push roller limit switch	
		Lts SOLENT VG68 Oil		G45/059	Selector switch 2-position	
				G50/044	Bulb holder	
3	A21/012	Catch		G50/046	Bulb 28V A16-24	
4	856128	Access flap		G50/051	Green Lens	
	L56/018	Spacer		G60/101 M14	Mains Cable assy	
	L56/017	Spacer shouldered Nylon				
	L56/016	Modified screw				
5	856126	Side Panel R/H			Wiring Diagram reference	
	856132	Back Panel		G30/414		T1
	856125	Side Panel L/H		G45/056		LS1 and LS2
	856133	Top Cap		G45/057		GS1
	A27/189	Sound barrier mat		G45/056		GS2
6	S56/054	Truck Assy		A16/026	M1 and PS1	
	856135	Handle		G30/412	P1	
	A21/022	End latch		G45/015 and	S1	
	S56/069	Truck Castor Assembly		G45/016		
	A21/023	Paddle latch – 2 way		G45/016 and	S2	
	856164	Latch arm		G45/033		
	E56/145	Truck liner		G227A	S3	
	856145	Cover plate		G45/016 and	S4	
				G45/059		
				G65/037	C1, C2 and C3	

Parts Illustration – IP600
Fig. 4



PARTS LIST IMPACTOR IP600, JANUARY 2021

To be read in conjunction with Figs 1-4. **NB Before ordering please read the note on page 9**

Item	Part No.	Description	Item	Part No.	Description
1	38545 A19/007 A19/008 856069	Frame Welded Assy Fixed Castors Swivel Castors Plate Locking		S56/052 K03/005B	Carton wire ties, bags Bag tying tool
2	A16/027 A16/026 A16/047 C56/002M L56/009 L56/011 856179 J06/055 J08/010 J08/022 K07/057	Hydraulic Ram Hydraulic Power Pack IP Pressure Switch Ram Plate Machining Ram Guide Bearing Guide Rod Bracket Hydraulic Hose Assy Sealing Washer 3/8" BSP Male/Male Fitting Lts SOLENT VG68 Oil	7	856090 856094 856095	Front panel top Hinge bracket upper Hinge bracket lower
3	A21/012	Catch	8	A10/224 G80/029 E56/174 G227A G30/414 G30/412 M1 G90/147 G76/030 M1 G45/015 G45/033 G45/056 G45/057 G45/059 G50/044 G50/046 G50/051 G60/101 M14	M20 Gland Locknut M20 Cable Gland Enclosure backing plate Key Switch (head only) Transformer CD12 PLC 24VAC Terminal block Control box enclosure Pushbutton green flush Pushbutton red Lever roller limit switch Push roller limit switch Selector switch 2-position Bulb holder Bulb 28V A16-24 Green Lens Mains Cable assy
4	856075 L56/018 L56/017 L56/016	Access flap Spacer Spacer shouldered Nylon Modified screw			
5	856071 856074 856072 856073 A27/189	Side Panel R/H Back Panel Side Panel L/H Top Cap Sound barrier mat			
6	S56/051 856109 A21/022 S56/069 A21/023 856164 856099	Truck Assy Handle End latch Truck Castor Assembly Paddle latch – 2 way Latch arm Truck liner		G30/414 G45/056 G45/057 G45/056 A16/026 G30/412 G45/015 and G45/016 G45/016 and G45/033 G227A G45/016 and G45/059 G65/037	Wiring Diagram reference T1 LS1 and LS2 GS1 GS2 M1 and PS1 P1 S1 S2 S3 S4 C1, C2 and C3