

# THE TRI-SHOPPER ELECTRIC



The ultimate in electric three wheeled transport, the TRI-SHOPPER ELECTRIC combines good looks, noiseless & pollution free operation and finger tip control to make the perfect answer for commuting or shopping.

Hand built in Suffolk to very high standards using the same engineering principals and flair that are characteristic with all TGA products, and combining many years of development with electric vehicles to make the Tri-Shopper Electric one of the most advanced and powerful machines of its type.

Sturdy good looking frame enamelled in a choice of attractive colours, and further enhanced by the self coloured white luggage compartment which is both lockable and waterproof, and capable of carrying all the weekly shopping home. All other fittings are in white including pump and whitewall tyres. Front forks are in chrome and mudguard stainless steel.

Costing only pence to run and being very simple to use makes it appealing and convenient for all age groups with a special appeal for the partially disabled, by giving the freedom and independence needed without resembling conventional invalid vehicles.

The compact specially developed motor and gearbox unit will power the machine up fairly steep hills without even needing to use the pedals. Even the steepest of hills can be tackled with some pedal assistance. The tricycle can be used with either the motor or the pedals, or both together having two independent drive systems. So of course unlike other electric vehicles you will never be stranded because you can always pedal home. A three speed gear system is operative with both the pedals and the motor.

Riding is simplicity itself, just switch on, open the twistgrip and away you go. The speed is completely variable up to its legal maximum of 15 MPH. The machine will run for between 15 & 20 miles purely on battery power depending on terrain, and with some assistance from the pedals will cover a much greater distance.

A specially developed charger is supplied with the Tri-Shopper, just plug this in overnight, and the machine is ready to cover the same distance again the next day.

Factory fitted lights, flashing indicators and electric horn are available as optional extras.

The Tri-Treka Electric is of the same specification as the Tri-Shopper, but of course fitted with either one or two baby seats. However, because of the room taken up by the seats it is necessary to fit slightly smaller batteries, giving a maximum mileage of battery power of 15 miles. As with the Tri-Shopper Electric, this can be increased by some pedal assistance. The Tri-Treka is illustrated on a separate sheet but only as a pedal machine.

#### GENERAL SPECIFICATION:

<b>WHEELS</b>	—	20 x 1 $\frac{3}{8}$ front, 20 x 1.75 rear
<b>BRAKES</b>	—	Front Hub & Caliper plus parking brake
<b>GEARS</b>	—	Sturmey Archer 3 speed
<b>MOTOR</b>	—	24 volt 200 watt continuous rated output
<b>BATTERIES</b>	—	Two 12 volt 38 Amp/Hour with battery condition indicator & Master switch
<b>FRAMEWORK</b>	—	Sturdy tubular steel — fully adjustable
<b>BATTERY CHARGER</b>	—	High quality Thyristor controlled with full protection circuits
<b>SPEED CONTROL</b>	—	Transistorised, completely variable
<b>SPEEDS</b>	—	Using power only, through Sturmey Archer gear hub 1st gear — 8 MPH 2nd gear — 11 MPH 3rd gear — 15 MPH
<b>RUNNING COSTS</b>	—	5p per 20 miles approx.
<b>SHOPPING BOX</b>	—	High quality fibreglass, self coloured in white, waterproof & lockable
<b>OVERALL LENGTH</b>	—	5' 6"
<b>OVERALL WIDTH</b>	—	2' 6"
<b>GUARANTEE</b>	—	Twelve months
<b>EXTRA'S</b>	—	Lights, Flashing Indicators, Electric Horn, Front Basket & Carrier, Speedometer or Mileometer, Chrome rear view mirror, Vinyl weather cover, Windscreen, Puncture proof tyres.

**REGULATIONS** — Under the "Electrically Assisted Pedal Cycle Regulations 1982". Riders of the Tri-Shopper Electric are exempt from driving licence, insurance, road fund licence, MOT and wearing of crash helmet. Age limit is 14 years upwards.

#### THE TGA TRICYCLE COMPANY

BELLS LANE, GLEMSFORD, SUDBURY, SUFFOLK CO10 7QA. Tel: GLEMSFORD (0787) 280820

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## THE ELECTROBIKE 200



From TGA comes the ultimate in electric two wheeled transport, Electrobike 200. Based on many years of development with electrically driven vehicles, the Electrobike is the most advanced and powerful electrically assisted cycle of its type.

Good looks, noiseless and pollution free operation and finger tip control, make it the perfect answer for commuting or shopping. Couple to this the fact that it is as easy to ride as an ordinary cycle and costs only pence to run, and you have the ideal vehicle for all age groups of fourteen years upwards.

Add to this - NO LICENCE  
NO TAX  
NO INSURANCE  
NO CRASH HELMET  
NO M.O.T.  
NO PETROL

And you have the cheapest most convenient vehicle anywhere.

The compact specially developed motor and gearbox unit uses the latest technology in design and production technics to power the machine up some of the steepest of hills without even needing to use the pedals. Even the steepest of hills can be tackled by assisting the motor with the pedals. Two of the latest completely sealed maintenance free batteries give you up to 25 miles of effortless riding. Plug it in to the specially designed charger overnight and you are ready for another 25 miles again the next day.

The Electrobike can be used just with the motor or the pedals or both together, having two completely independent drive systems. So even if you run out of battery power, you can always pedal home. A three speed gear system is used with both the motor and the pedals. Riding is simplicity itself, just switch on, open the twistgrip and away you go. The speed is completely variable up to its legal maximum of 15 MPH, and controlled through the twistgrip via an electronic controller.

### GENERAL SPECIFICATION.

Frame	-	Sturdy tubular steel - fully adjustable.
Wheels	-	Steel 20 x 1 3/8 fitted whitewall tyres.
Brakes	-	Front caliper and rear hub brake.
Gears	-	Sturmey Archer 3 speed.
Motor	-	24 volt 200 watt continuous rated output.
Drive	-	Through reduction gearbox, then direct to rear wheel.
Batteries	-	2 - 12 volt sealed maintenance free.
Speed Control	-	Transistorised, completely variable.
Speeds	-	Using power only, through Sturmey Archer gear hub. 1st gear - 8 MPH 2nd gear - 11 MPH 3rd gear - 15 MPH
Colours	-	Red, metallic blue or white.
Running Costs	-	5p per 25 miles approx.
Guarantee	-	12 months.

**ELECTROBIKE 200 PLUS** - As the Electrobike 200, but with the addition of factory fitted front basket and carrier and front and rear lights wired direct to the batteries.

**BATTERY CHARGERS** - These are not included in the price of the above, as some of our customers already have them. However, we would recommend the use of one of our own high quality thyristor controlled chargers. These are designed to automatically switch off when the battery is fully charged, thus prolonging battery life, and will charge the battery to its maximum, giving you more miles per charge.

**REGULATIONS** - Under the "Electrically Assisted Pedal Cycle Regulations 1982" Riders of the Electrobike are exempt from driving licence, insurance, road fund licence, MOT and wearing of crash helmet. Age limit is 14 years upwards.



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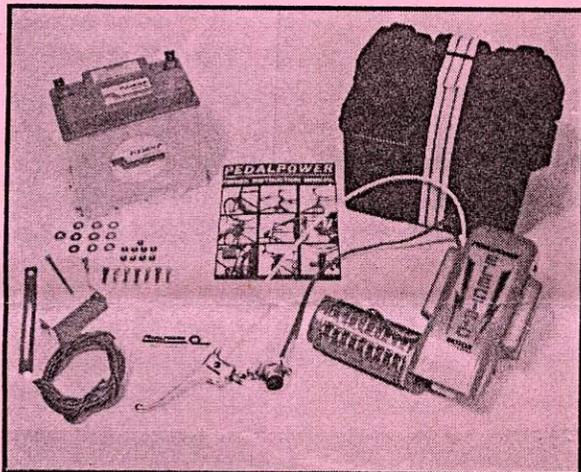
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## PEDAL POWER



The Pedal Power electric drive system is the perfect answer for commuting or shopping. As easy to use as an ordinary bicycle, costs only pence to run, and has a range of up to 25 miles on one charge of the battery at speeds of up to 15 MPH. The kit comes complete down to the last nut and bolt and can be fitted to any bike or trike by the average handiman in about 2-3 hours. The only controls are a handlebar lever and a push button control. With the motor fitted the bike or trike can still be used as a normal pedal machine, or used solely with the motor, or both for that extra power.

**MODEL 50** - The ideal unit to make those every day cycle trips a pleasure . Single battery 12 volt system . Range approximately 20 miles . Speed 10 - 15 MPH . Climbs light gradients .

**MODEL 100** - A more powerful version for the more hilly areas . Single battery 12 volt system . Range approximately 20 miles . Speed 10 - 15 MPH . Climbs moderate hills .

**MODEL 150** - The most powerful version, ideal for everyday transport or for the elderly or disabled who find pedalling that much more difficult . Most suitable for tricycles . Twin battery 24 volt system . Range approximately 25 miles . Speed 10 - 15 miles . Climbs fairly steep hills .



**ELECTROCYCLE** - The electric bike for people on the go, provides the lowest cost transportation for those around the town errands. Fully adjustable bike for all the family. Comes fully fitted with the 50 or 100 motor an includes 3 speed gears, dynamo, lighting, prop stand and battery master switch. Col. Red or Blue. **TRI-SHOPPER**-The three wheeler designed to make shopping a pleasure and to carry home those big loads with ease. Comes fully fitted with 50, 100, or 150 motors and includes 3 speed gears parking brake, bell and battery master switch. Col. Red, Blue or Green.



**BATTERY CHARGERS** - These are not included in the price of the above, as some of our customers already have them . However we would recommend the use of one of our own high quality thyristor controlled chargers These are designed to automatically switch off when the battery is fully charged, thus prolonging battery life, and will charge the battery to its maximum, giving you more miles per charge .

**REGULATIONS** - Under the " Electrically Assisted Pedal Cycle Regulations 1982 " Pedal Power electrically driven vehicles are exempt from driving licence, insurance. road fund licence, MOT and wearing of crash helmet. Age limit is 14 years upwards .

*Bikes, Trikes and Kits have 12 months guarantee. Mileage figures obtained using thyristor battery chargers.*

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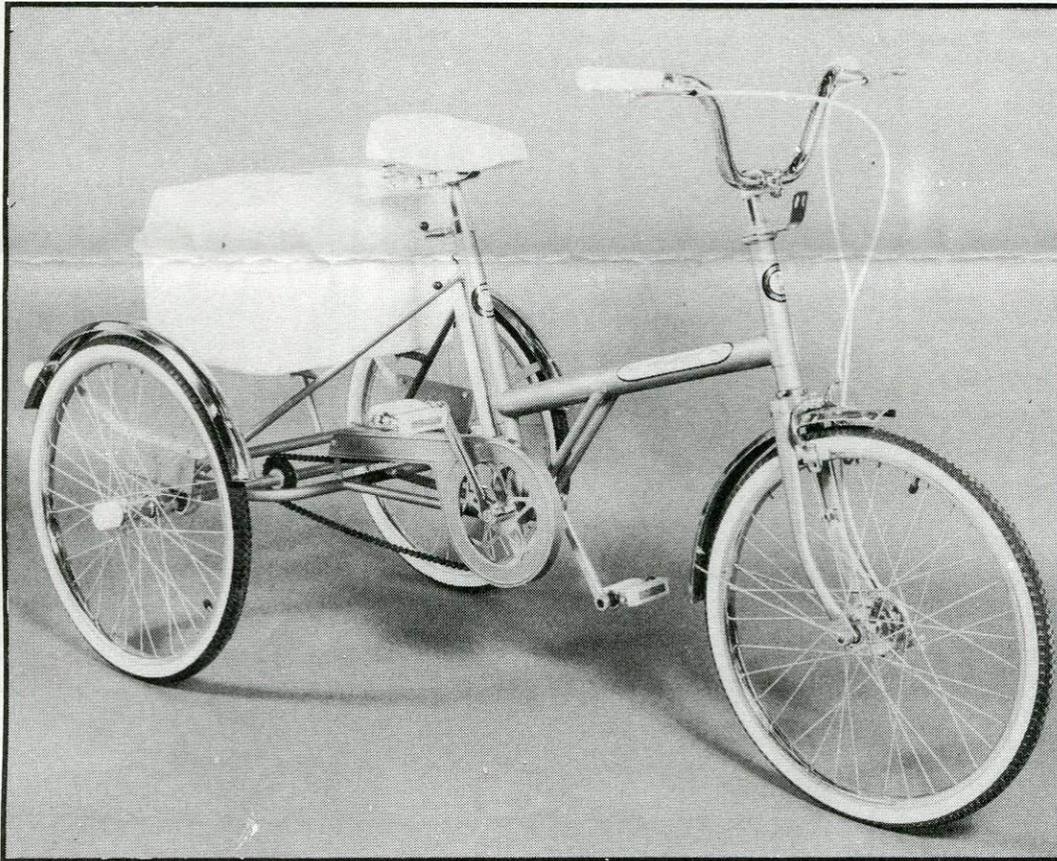
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## TRI - PACER Mk II



The Tri-Pacer Mk II has been designed with the usual style and engineering principals that has become characteristic of TGA products. It is one of the best looking tricycles available, whilst also being one of the lightest and least expensive. Its lightness makes it a joy to ride, while its clean crisp looks make sure it will be admired wherever it goes.

The frame is finished in a lovely shade of metallic blue and to set this off all the fittings are in white, including white wall tyres and pump. The luggage boot is large enough to take all your shopping and will keep it safe and dry as well. It is finished in white and moulded in tough polypropylene and is both lockable and waterproof.

The Tri-Pacer stops as easy as it goes, with a powerful Sturmey Archer hub brake, plus a caliper brake and the added safety feature of one for parking as well. The saddle and handlebars are easily adjustable to suit individual needs, and to further enhance the good looks, polished stainless steel mudguards are fitted.

The tricycle is as easy to maintain as an ordinary bicycle, and comes as standard with single speed. A three speed version is available at a slight extra charge, but if you live in a hilly area or like to go for those long rides it will be well worth it.

### GENERAL SPECIFICATION.

WHEELS -	20 x 1 <sup>3</sup> / <sub>8</sub> fitted with whitewall tyres.
BRAKES -	Front hub and caliper, plus parking brake.
GEARS -	Huret sensomatic 3 speed derailleur system.
LUGGAGE BOOT -	Moulded white polypropylene 16 x 12 x 12 inches.
OVERALL LENGTH -	5'2".
OVERALL WIDTH -	2'6" (able to pass through most doorways).
WEIGHT -	20 kilos.
GUARANTEE -	12 months.



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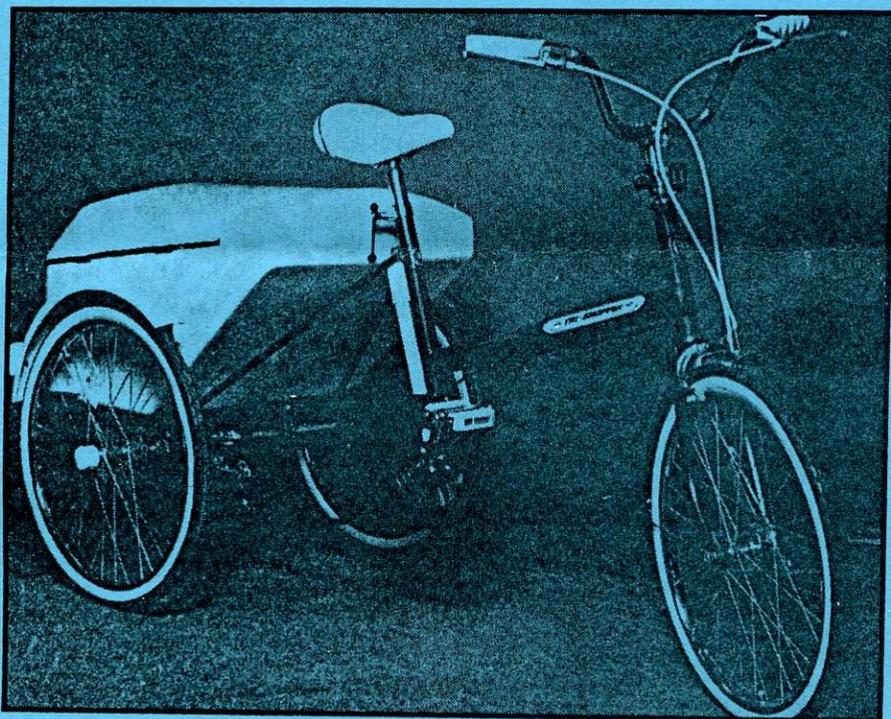
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## THE TRI-SHOPPER



Designed with shopping in mind, the Tri-Shopper is the most attractive and practical tricycle available, and can almost make shopping fun. Sturdy, good looking frame, with beautifully styled luggage compartment make it a joy to be seen with and a pleasure to ride. Add to this the fact that once you have bought it there is nothing further to pay as obviously running costs are nil, and immediately buying a Tri-Shopper makes sense. Using the same engineering principals and flair that are characteristic with all TGA products, and hand built to very high standards the Tri-Shopper is a machine that is sure to be admired wherever it goes.

The frame is enamelled in a choice of attractive colours, and is further enhanced by the self coloured

white luggage compartment which is lockable and waterproof and is capable of carrying all the weekly shopping home in one go.

Easy to pedal with the assistance of the three speed gear system, and fully adjustable saddle and handlebars make it a firm favourite with all the family. Brakes are looked after by a powerful Sturmey Archer hub brake, plus a caliper brake and the added safety feature of one for parking as well. Front mudguard is in stainless steel, and all fittings are in white including pump and whitewall tyres.

### General Specifications.

Wheels	- 20 x 1 3/8 steel.
Brakes	- Front hub and caliper, and parking.
Gears	- Huret Sensomatic 3 speed derailleur system.
Colours	- Red, metallic blue, metallic green, white and primrose yellow.
Luggage Boot	- White self coloured fibre glass.
Overall Length	- 5' 6"
Overall Width	- 2' 6"
Weight	- 20 Kilos.
Guarantee	- 12 months.



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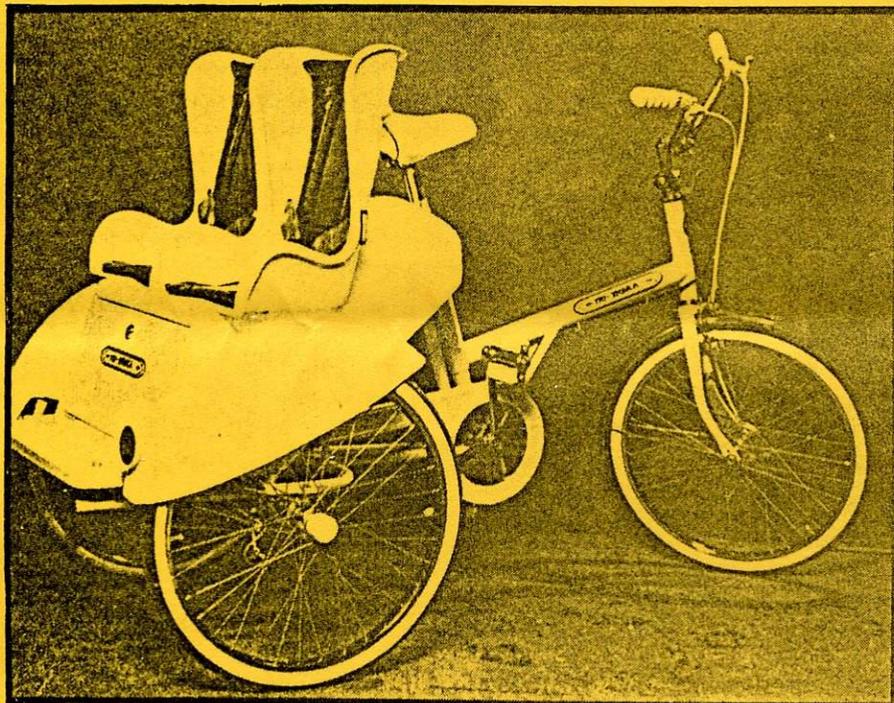
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## THE TRI-TREKA



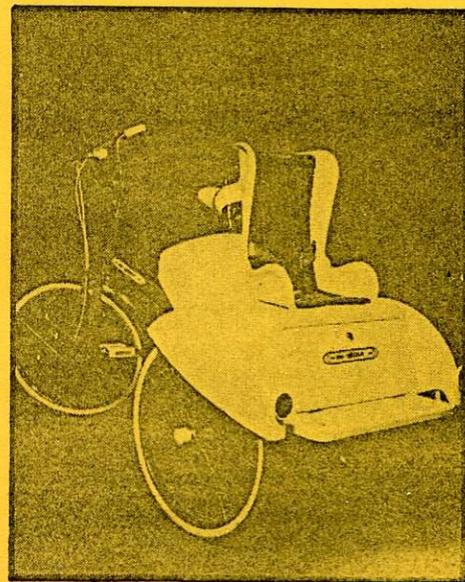
Designed specifically for the busy mum taking the kids shopping or to playschool, and available with either single or double kiddie seats, complete with safety belts and padded vinyl seat pads. The Tri-Treka makes taking the children with you easy and fun, and you will be the envy of all the other mums when you and the kids turn up in style at playschool. Sturdy and attractive frame with beautifully styled bodywork makes the Tri-Treka a joy to ride, and its good looks makes sure it will be admired wherever it goes. Add to this the money you will save not paying expensive petrol bills or bus fares, and the convenience of a tricycle made for three, and buying a Tri-Treka seems a very sound proposition.

A lot of thought and design has gone into this machine to make it safe and attractive for you and your children. The bodywork is in white self coloured fibre glass, and is very strong. There is a footrest for the children and covered mudguards to keep little fingers out of the wheels. The seatbelts are tamperproof, and underneath the seats is a lockable, waterproof luggage compartment.

Three speed gears take as much effort out of pedalling as possible, and both a powerful Sturmey Archer hub brake and caliper brake are fitted plus one for parking as well. The front mudguard is in stainless steel and all of the fittings are in white including pump and whitewall tyres. A front detachable basket again in white is available as an optional extra.

### General Specification.

Wheels	- 20 x 1 3/8 steel.
Brakes	- Front hub and caliper, and parking.
Gears	- Huret Sensomatic 3 speed derailleur system.
Colours	- Red, metallic blue, metallic green, white and primrose yellow.
Bodywork	- White self coloured fibre glass.
Overall Length	- 5' 6"
Overall Width	- 2' 6"
Weight	- 25 kilos.
Guarantee	- 12 months.



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## PRICE LIST

FEBRUARY 1986

## PEDAL TRICYCLES

	RETAIL	RETAIL +VAT
Tri-Pacer Mk 11 Single Speed	245-00	281-75
Tri-Pacer Mk 11 Three Speed	265-00	304-75
Tri-Shopper Three Speed	310-00	356-50
Tri-Treka Three Speed Single Seat	325-00	373-75
Tri-Treka Three Speed Dual Seat	345-00	396-75

## PEDAL POWER

Model 50 Kit	185-00	212-75
Electro 50 Cycle Three Speed	298-00	342-70
Tri-Pacer 50 Three Speed	470-00	540-50
Battery Charger for above	35-00	40-25

## ELECTRIC BICYCLES

Electrobike 200 Three Speed (inc charger)	385-50	443-33
Electrobike 200 Plus. Three Speed (inc charger)	399-50	459-43

## ELECTRIC TRICYCLES

Tri-Shopper Electric. Three Speed (inc charger)	725-00	833-75
Tri-Treka Electric. Three Speed 1 seat (inc charger)	760-00	874-00
Tri-Treka Electric. Three Speed 2 seat (inc charger)	780-00	897-00

## ACCESSORIES

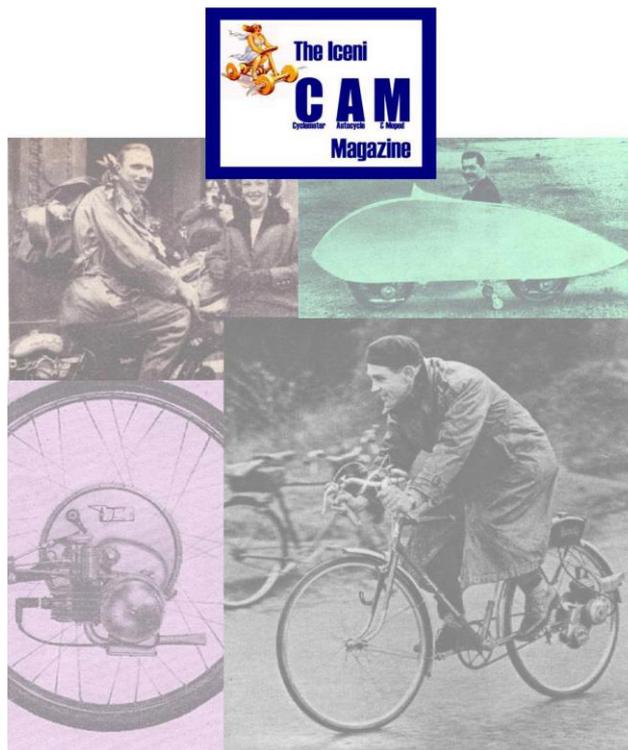
Front Basket and Carrier	13-50	15-53
Front Basket and Carrier (Pedal Power models only)	19-50	22-43
Full Lighting Set (electric models only)	17-90	20-59
Flashing Indicator Set (electric models only)	24-00	27-60
Electric Horn (electric models only)	17-00	19-55
Speedometer	16-50	18-98
Mileometer	5-45	6-27
Windscreen	30-00	34-50
Strong Vinyl Weather Cover	17-50	20-13
Crutch Strap (extra for baby seats)	6-50	7-48
Chrome Rear View Mirror	6-00	6-90
Fitted Anti-Theft Lock	9-50	10-93
Strong Cable Lock	6-50	7-48

Our policy is one of continued development and therefore we reserve the right to alter specification and prices without prior notification.

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