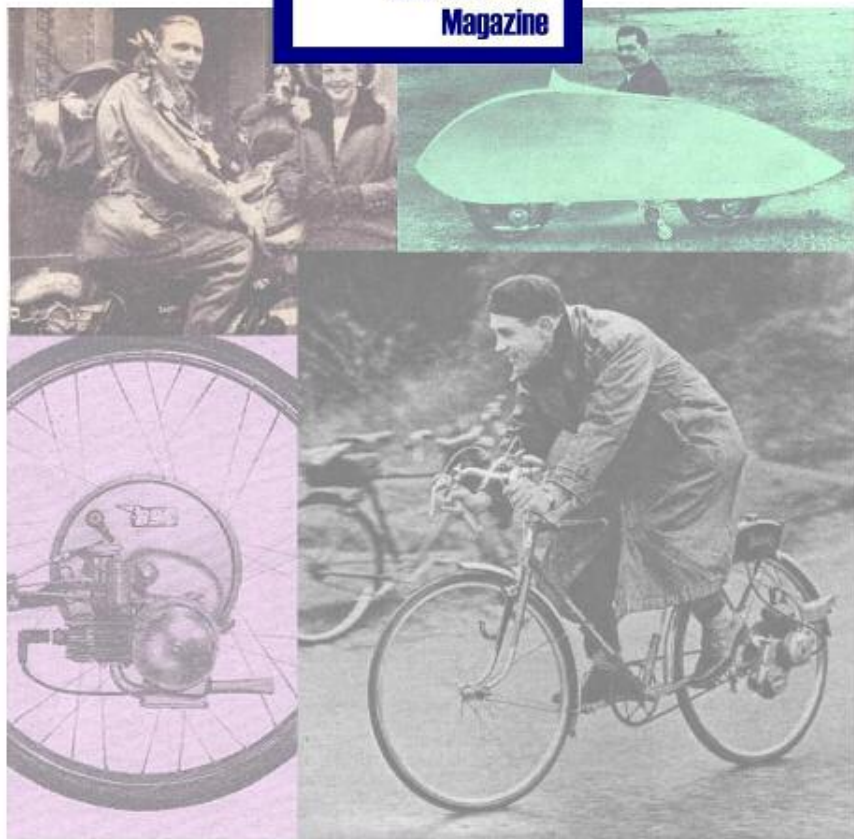


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CUSTOMER HANDBOOK & WARRANTY



TOMOS

TOMOS NEDERLAND B.V.

U.K. DIVISION



Dear Tomos Owner

On behalf of Tomos, we personally welcome you into the growing ranks of riders who enjoy trouble-free motoring with the Tomos moped.

To gain full advantage and benefit from your Tomos, may we ask you to read this booklet carefully and thus ensure that you are conversant with all aspects of ownership of a Tomos moped.

This book should be considered a permanent part of the moped and should remain with the moped at the time of re-sale.

*Tomos Nederland, B.V.,
U.K. Division.*

WARNING!

BEFORE YOU ATTEMPT TO RIDE THIS MOPED, PLEASE
NOTE THE FOLLOWING POINTS:—

- DON'T** ride the moped without the number plate and road fund licence being securely fitted.
- DO** fuel your machine correctly. Please see fuelling instructions overleaf.
- DON'T** fuel your machine with neat petrol.
- DO** ensure that you have your moped regularly serviced with an authorised dealer.
- DON'T** miss the first 300 miles service.
- DO** follow the starting procedure as described in this booklet correctly.
- DON'T** ride the moped without L-plates if you possess a provisional driving licence.

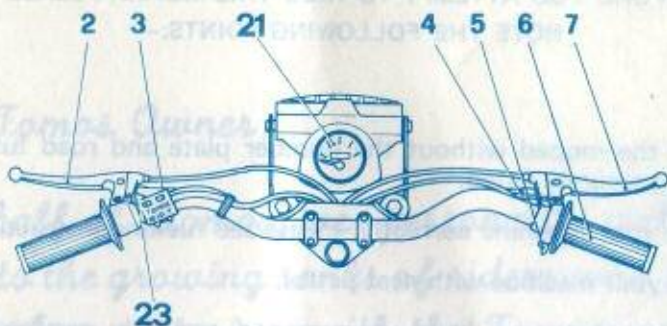
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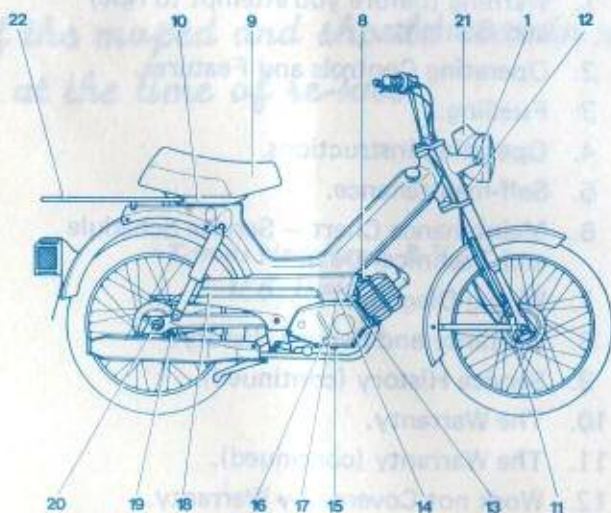
SPECIAL NOTE:

If you are unable to find the information you need, please refer to the index on page 12.

OPERATING CONTROLS AND FEATURES



- | | |
|--|--|
| 1. Head lamp height adjusting screw. | 12. Horn. |
| 2. Rear brake lever (on left side). | 13. Carburettor. |
| 3. Combined switch for lights, horn and engine stop. | 14. Air filter. |
| 4. Throttle control cable adjusting screw. | 15. Oil drain plug (on right side) |
| 5. Cold start button (choke). | 16. Plug for checking oil level (on right side). |
| 6. Throttle twist grip. | 17. Oil filling plug (on right side). |
| 7. Front brake lever. | 18. Side panel. |
| 8. Fuel feed tap. | 19. Rear brake adjusting screw. |
| 9. Seat. | 20. Chain tension adjuster. |
| 10. Tool box. | 21. Speedometer. |
| 11. Front brake adjusting screw. | 22. Rear luggage carrier. |
| | 23. |



Incorrect fuelling may result in an engine failure affecting engine performance or in the long term, cause a latent defect.

Should a failure be diagnosed as being caused by incorrect fuel mixture, it will *NOT* be covered under the terms of warranty.

Therefore, please take extreme care when fuelling your moped.

Fuelling Procedure

Remove the fuelling cup from the seat saddle tool box and before fuelling your petrol tank, use this cup to prepare a mixture of good quality 2 stroke oil and 2 star petrol in a petrol can.



The proportion of petrol to oil is 50:1 (2%). Below is a table showing how much oil must be added to a given amount of petrol (in litres).

Petrol: litres	Oil: dl
4	0.8
3	0.6
2	0.4



4 LITRES PETROL

**CORRECT MIXTURE
FOR 4 LITRES
OF FUEL**



3 LITRES PETROL

**CORRECT MIXTURE
FOR 3 LITRES
OF FUEL**



2 LITRES PETROL

**CORRECT MIXTURE
FOR 2 LITRES
OF FUEL**

SPECIAL NOTE:

If you are unable to *PREMIX* a volume of petrol and oil in a petrol can, then simply add the oil directly into the petrol tank of your moped. Please note, oil should always be added after the petrol to prevent oil blocking the fuel system. For further information regarding fuelling, please consult your nearest TOMOS dealer.

OPERATING INSTRUCTIONS

STARTING

1. Closed
2. Open
3. Reserve

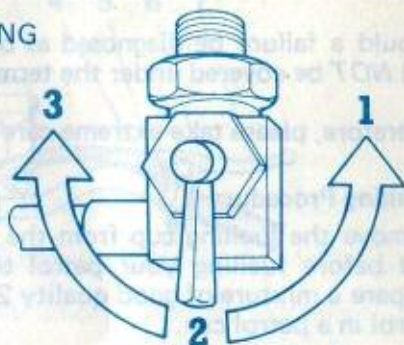


Fig. 3

Open fuel feed tap (Fig. 3). If the engine is cold press the choke button towards the centre of the moped (5, Fig. 2) and simultaneously turn the throttle twist grip (6, Fig. 2) clockwise away from yourself (minimum gas). Kick Start. **DO NOT TWIST THROTTLE WHEN STARTING.**

When using the choke button let the engine run for 10 to 20 seconds without opening throttle.

DRIVING

Speed is regulated by means of the throttle twist grip. The choke button is automatically turned off when throttling up. Gearing to first or second speed is effected by increasing or reducing the throttle opening. It is not recommended to shift from high to low speed too frequently. It is better to throttle down and drive in low gear. When driving downhill, throttle up frequently to allow better lubrication of engine parts. To stop the moped reduce the throttle, press the stop button and close the fuel feed tap.

RUNNING-IN

Do not use full throttle too often until you have covered the first 60 miles. Thereafter increase the throttle gradually.

SELF-MAINTENANCE

A certain amount of self-maintenance should be carried out to your TOMOS on a weekly basis. This includes:

CHECKING TYRE PRESSURES

CLEANING THE MACHINE

CHECKING AND ADJUSTING FRONT AND REAR BRAKE CONTROL CABLES

CHECKING AND ADJUSTING DRIVE CHAIN

CHECKING THE TIGHTNESS OF ALL SCREWS AND NUTS

By ensuring that these items are regularly checked, your moped will be maintained fully roadworthy between service intervals. We advise you to contact your local TOMOS dealer to be given instructions where needed on the correct execution of the above checks.

Available from our TOMOS dealers is a fully comprehensive "Tomos Owners' Workshop Manual" which not only describes the above checks and adjustments but details everything you need to know in respect of servicing and repairs to the machine.

MAINTENANCE CHART — SERVICE SCHEDULE

O = Effected by service dealer

Jobs to be performed	per miles per months	300 2	1000 3	2000 6	3000 12
LUBRICATION WITH OIL					
1. Change of oil in gearbox (ATF)		O	—	O	O
2. Joints of control levers		—	O	O	O
3. Control cables (inside wire)		—	—	—	O
4. Stand bearing		O	—	O	O
5. Seat bearing		—	O	—	O
6. Chain		—	O	—	O
7. Felt strip in magneto		O	—	O	O
LUBRICATION WITH GREASE					
8. Wheel bearings		—	—	—	O
9. Front fork sliding tubes		—	—	O	O
10. Swinging arm bearings bushes		—	—	—	O
11. Handlebar bearings		—	—	—	O
CLEANING					
12. Spark plug — or change		O	—	—	—
13. Air filter (oil it)		—	—	O	O
14. Cylinder head, piston crown and exhaust channel		—	—	O	O
15. Exhaust silencer		—	O	—	O
16. Cylinder and exhaust pipe		—	—	—	O
CONTROLS AND SETTINGS					
17. Oil level in the gearbox		—	O	—	—
18. Horn and lights (dipped beam up to 40 m)		O	O	—	—
19. Contact breaker points (0.35—0.45 mm)		—	—	—	O
20. Ignition advance (1.8—2 mm BTDC)		O	O	—	O
21. Spark plug points gap (0.5 mm)		O	—	—	O
22. Checking and setting of brakes		O	O	O	O
23. Handlebar bearings clearance		O	—	—	O
24. Wheel bearings clearance		O	—	—	O
25. Wheel track and alignment (spokes)		O	—	—	O
26. Tyre pressure (front 1.5—rear 2.2 atm)		O	—	O	O
27. Chain sag (10 mm up — 10 mm down)		O	O	O	O
28. Idle run and throttle		O	—	—	O
29. Tightness of screws and nuts		O	—	O	O
30. Testing of motorcycle		O	—	O	O

TECHNICAL DATA

Engine	Single-cylinder, two-stroke, air-cooled	Front forks play	60 mm
Piston displacement	49 cc	Rear spring shock absorbers play	40 mm
Bore	38 mm	Tyre pressure: front	21 p.s.i. 1.47 bar (1.5 atm)
Stroke	43 mm	rear	31 p.s.i. 2.16 bar (2.2 atm)
Compression ratio	8.5:1	Tyre dimensions	16" x 2.25"
Engine output	1.5 kW at 5500 revs. min ⁻¹ automatic two-stage with two centrifugal clutches	Ignition magneto	12V/50W
Secondary transmission	Chain 1/8" x 3/16"	Ignition advance	1.8—2 mm BTDC
2nd gear engagement	90 rollers	Contact breaker points gap	0.35 to 0.45 mm
Max speed	At approx. 15 mph	Spark plug	CHAMPION L-86 or equivalent
Freerplay	30 mph	Spark plug points gap	0.5 mm
Fuel consumption	Approx. 1300 revs. min ⁻¹	Headlamp/side lamp	Bulb 12V
Fuel tank	4 litres/125 miles approx.	Tail light	Bulb 12V
Fuel mix	4 litres/reserve 0.5 litre approx.	Stop lamp	Bulb 12V, 15W
	2% oil to petrol (50:1)	Wheelbase	1080 mm
	Dry weight	Overall length of motorcycle	1640 mm
	Use 2 star petrol	Carrying capacity	248 lb.

THE WARRANTY

Every precaution is taken during design and manufacture to ensure that each new moped is manufactured with the utmost care; such is the complex nature of a moped, we recognise the need to safeguard owners against unexpected failure.

In the event of warranty repairs becoming necessary, owners are advised to return the moped to their nearest authorised service dealer.

The unexpired part of the warranty is transferable to a second owner without reference to Tomos Nederland B.V., U.K. Division. Authorised Tomos dealers make **NO CHARGE FOR PARTS AND LABOUR** for Warranty repairs.

Tomos Nederland B.V., U.K. Division, maintains a very close liaison with its dealers to ensure smooth and swift administration of the Moped Warranty.

WARRANTY CONDITIONS AND EXCLUSIONS

This book must be produced if the customer wishes to seek assistance under the warranty. To avoid losing the benefit of the warranty, it is essential for the customer to present his Moped for the first service prescribed at 300 miles to any Service Dealer listed in the Tomos Nederland B.V., U.K. Division, Tomos Service Dealer list. It is also a prerequisite that all scheduled services are carried out by an authorised dealer in accordance with the manufacturer's requirements.

Every Moped is covered by the warranty for a period of six months commencing from the date of first registration.

If a Moped is purchased for the use of Lease or Hire, then any Warranty becomes null and void.

On production of the Warranty Card, the Service Dealer will carry out the prescribed service for the specified mileage. The Customer must ensure that the Warranty Card is stamped and dated in the space provided and the mileage recorded thereon.

The First Maintenance and Service Check is **NOT** free of charge and the charge levied should include the cost of labour, oils and materials. The importance of further regular Service Checks, as recommended by the manufacturers every 1000 miles, cannot be overstressed in order to ensure that customers may derive maximum benefit from their Tomos Mopeds.

Note: Failure to have the moped serviced in accordance with the service schedule during the 6 month warranty period will render the warranty null and void.

The warranty provides for repair, overhaul or replacement, in accordance with the manufacturer's instructions, of any part or unit recognised by the manufacturer as unserviceable due to defects in the original manufacture or assembly.

Tomos are entitled to possession of parts or units which have been replaced under the terms of their Warranty.

The Warranty shall become null and void if the Moped is purchased for or used for:-

- leasing or hiring or
- racing, time trials, competitions or off the road use or
- not having had the initial 300 miles (or 2 months) service - or subsequent mileage/time services as listed in the service schedule on page 6,
- modification, such that the Moped no longer conforms to the manufacturer's specification or
- if any original part or parts have been replaced by others, which are not approved by Tomos or
- incorrect maintenance, misuse, overloading, however temporary, damage, or any other error on the part of the rider or repairs in workshops other than those approved by Tomos Nederland B.V., U.K. Division.

The Warranty does NOT apply to repairs and/or replacement of parts or to any incurred as a result of normal wear and tear, inspections, adjustment, or service dealers' travelling expenses or towing charges, to any other losses incurred or claims arising from use of the moped.

Note: Collection charges are the sole responsibility of the keeper.

The Terms of the Warranty in this document are applicable only to the United Kingdom and Northern Ireland.

Important Notes.

1. Under no circumstances can a Moped be replaced or purchase money refunded under warranty.
2. Damage to a vehicle occurring after it has been released from Tomos Nederland B.V., U.K. Division's, premises is not covered by the warranty.
3. Servicing should only be carried out by an approved Tomos Dealer.

WORK NOT COVERED BY WARRANTY

Unless a particular fault is shown to be directly related to the original manufacture or assembly, without prejudice to the generality of the warranty, none of the following can be made the subject of a claim under the Warranty.

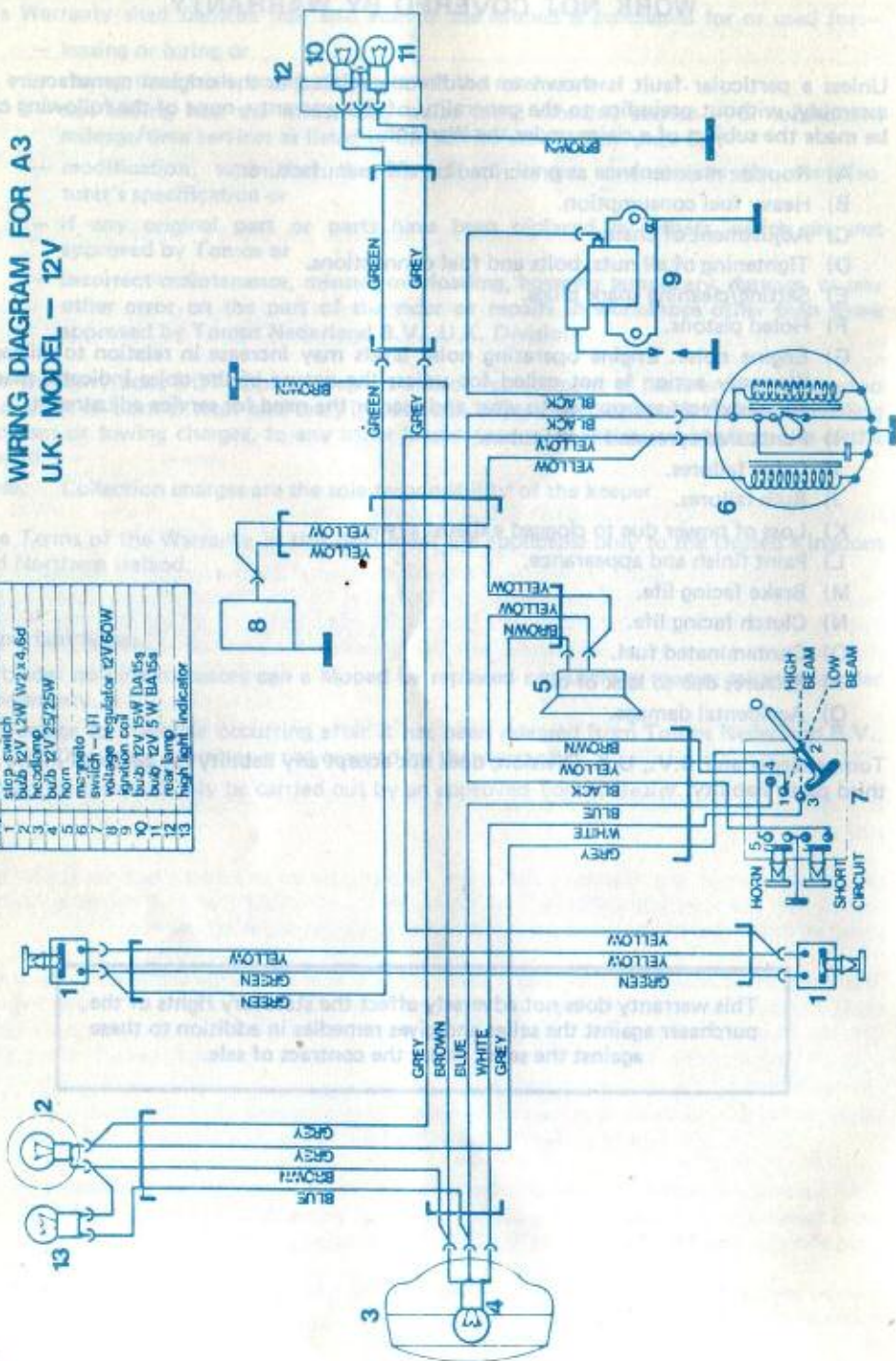
- A) Routine maintenance as prescribed by the manufacturer.
- B) Heavy fuel consumption.
- C) Adjustment of chain.
- D) Tightening of all nuts, bolts and fuel connections.
- E) Setting/cleaning spark plugs.
- F) Holed pistons.
- G) Engine noise. Engine operating noise levels may increase in relation to mileage. Warranty action is not called for unless the nature of the noise indicates mechanical defects as opposed to wear and tear or the need for service adjustment.
- H) Punctured tyres and inner tubes.
 - I) Cable failures.
 - J) Bulb failures.
- K) Loss of power due to clogged exhaust system.
- L) Paint finish and appearance.
- M) Brake facing life.
- N) Clutch facing life.
- O) Contaminated fuel.
- P) Seizures due to lack of oil.
- Q) Accidental damage.

Tomos Nederland B.V., U.K. Division, does not accept any liability for personal injury or third party liability.

This warranty does not adversely affect the statutory rights of the purchaser against the seller and gives remedies in addition to these against the seller under the contract of sale.

WIRING DIAGRAM FOR A3 U.K. MODEL - 12V

POS.	DESCRIPTION	QTY
1	12V 10W horn	1
2	12V 10W horn	1
3	12V 10W horn	1
4	12V 25/25W headlamps	2
5	12V 25/25W horn	1
6	magneto	1
7	switch - L11	1
8	voltage regulator 12V 60W	1
9	ignition coil	1
10	bulb 12V 15W 1A 15g	2
11	bulb 12V 5W BA 15a	2
12	rear lamp	1
13	high light indicator	1



WARRANTY

DETAILS OF MOPED

REGISTRATION NUMBER D.758 BOX FRAME NUMBER 556190
 OWNER MR. R. FORSYKE Date of first Registration 5/11/87
 ADDRESS 94 MEADWAY ROAD
IPSWICH Warranty Expiry Date 5/6/87
SUNFOLD. Selling Dealer COX MOTORCYCLES
 POSTCODE IPI 6JY IPSWICH TEL: 55516.

SERVICE HISTORY

First Service	1000 Miles/3 Months	2000 Miles/3 Months
DEALER STAMP:	DEALER STAMP:	DEALER STAMP:
Date <u>3/4/87</u> Actual Mileage <u>493</u>	Date <u>2.4.88</u> Actual Mileage <u>2,779</u>	Date Actual Mileage
3000 Miles/3 Months	4000 Miles/3 Months	5000 Miles/3 Months
DEALER STAMP:	DEALER STAMP:	DEALER STAMP:
Date <u>14.10.88</u> Actual Mileage <u>3959</u>	Date Actual Mileage	Date Actual Mileage

SERVICE HISTORY

6000 Miles/3 Months	7000 Miles/3 Months	8000 Miles/3 Months
DEALER STAMP:	DEALER STAMP:	DEALER STAMP:
Date Actual Mileage	Date Actual Mileage	Date Actual Mileage
9000 Miles/3 Months	10,000 Miles/3 Months	11,000 Miles/3 Months
DEALER STAMP:	DEALER STAMP:	DEALER STAMP:
Date Actual Mileage	Date Actual Mileage	Date Actual Mileage
12,000 Miles/3 Months	13,000 Miles/3 Months	14,000 Miles/3 Months
DEALER STAMP:	DEALER STAMP:	DEALER STAMP:
Date Actual Mileage	Date Actual Mileage	Date Actual Mileage

