



We are the only supplier of Commando & Dominator parts using the original factory drawings. Our products are mostly made in England and to original specification. We also offer Norton Rotary spares, factory service manuals and literature for **NORTON** and **TRIUMPH** motorcycles.

INSIST ON GENUINE FACTORY PARTS PACKAGED WITH THIS LOGO



SMITHS ELECTRONIC SPEEDO & TACHO INSTALLATION FOR NORTON COMMANDO

THESE INSTRUCTIONS APPLY TO ALL COMMANDO MODELS FITTED WITH A STANDARD WIRING LOOM

CONNECTIONS: Use good quality connectors. Strong & clean connections to the bike's loom are essential for reliable service

TOGGLE SWITCH: The 'toggle switch' referred to in these instructions can be any on/off switch i.e. a horn button. If no switch is available the units can be calibrated by touching the speedo brown/grey wire or the tacho blue wire to the negative (-) side of the circuit. The toggle function also enables switching between "odo" and "trip"

SPEEDO WIRING

Smiths Wire Colour	Connect to:-	Norton Commando Loom
Black	12v neg switched supply (-)	White
Green	12v pos supply (+)	Battery positive (earth) side
White/Red	12v illumination positive (+)	Battery positive (earth) side
Red/Black	12v illumination negative (-)	Brown/Green
White/Black	White wire on sender cable, part 06.7904/E	n/a
Red/Blue- bands	Not used, keep isolated	n/a
Pink	Red wire on sender cable, part 06.7904/E	n/a
Brown/Grey	Toggle switch (if fitted)	n/a
Red	12v pos supply (+) or earth	Battery positive (earth) side

TACHO WIRING

Smiths Wire Colour	Connect to:-	Norton Commando Loom
Black	12v neg switched supply (-)	White
Green	12v pos switched supply (+)	Battery positive (earth) side
White/Red	12v illumination positive (+)	Battery positive (earth) side
Red/Black	12v illumination negative (-)	Brown/Green
Red/Blue- bands	Switched side of ignition coil	Negative side of either coil
White/Black	Not used, keep isolated	n/a
Blue	Used to calibrate during set up	n/a
Brown/Grey	Not used, keep isolated	n/a
Red	Not used, keep isolated	n/a

Order on-line: www.andover-norton.co.uk tel: 01264 359 565 email: office@andover-norton.co.uk



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SMITHS ELECTRONIC SPEEDO & TACHO INSTALLATION FOR NORTON COMMANDO

SPEEDO SET UP

1. Obtain the Calibration Number.

Mark the rear wheel where it touches the ground.

Make a similar mark on the ground.

Move the bike forward for a complete wheel revolution

Measure the distance covered and call this figure A

Figure A is used to calculate the 'calibration' figure. Wheel revs per mile = 63360 divided by A (in inches) result = B (Miles) OR

Figure A is used to calculate the 'calibration' figure. Wheel revs per kilometre = 100,000 divided by A (in centimetres) result = B (Kilometres)

Put the bike on the stand and put an indicator in the speedo gearbox to be able to count the revolutions.

Turn the rear wheel six revolutions, to obtain an average, and count the number of times the cable drive turns.

Divide this number by six and call this figure C

The Calibration Number = B x C

As a guide, the calibration number (for miles set up) is 966 for a 19 inch wheel fitted with an Avon AM26 rear tyre 100/90

2. Enter the calibration number in a six digit format, e.g. 000966

Press & hold the toggle switch (or contact the brown/slate wire to neg.), while switching on the ignition.

The pointer will sweep & return to zero.

Release the toggle switch.

With the display reading SETPPU depress the toggle switch for 3 seconds and release.

A default number will be displayed with each digit flashing for approx. 2 seconds.

Each press of the toggle will increase the value of the flashing digit.

When the correct figure is obtained wait 2 seconds for the digit to change and repeat the process until the calibration number is displayed.

All the digits should now flash.

Press the toggle once and the display should read 'DONE'.

After 3 seconds the display will revert to SETPPU. Switch off ignition to complete the set up.

TACHO SET UP

The tacho's standard setting is correct for a Norton Commando, so no set up is required.