

Wiring Loom - RTR8476K

These instruction cover fitting our complete car wiring loom for roadgoing, fast road, rally etc. applications. This complete loom solution will provide all the services you will ever need.



WHAT DOES IT FIT?

Whilst the loom was originally designed for TR4-4A, it has been successfully been fitted to many TR5-250 and can be easily adapted to fit TR2-3B and TR6. The loom is in effect universal and can be fitted to any similar sized car of the period.

WHY SHOULD I PAY SO MUCH FOR A LOOM?

Whilst this loom may seem expensive it is worth noting that most road cars these days have some additional equipment that requires electrical power, which would need to be wired in separately in addition to a standard loom. Additionally, TR's have a serious deficiency in the fusing and relaying department, which this loom addresses. As this loom provides built in wiring to power almost every conceivable feature that a modern TR driver may require, for both road and rallying use, without the need for expensive additional wiring, then this loom on a total cost basis is invariably the cheaper option.

This loom provides all the services you would ever need for instance: separately fused and relayed headlamps, spot lamps, interior lights, reverse lights, boot light, electric fuel pumps, logic over drive device, intermittent wipe and much more, including a Gearbox loom. But on top of that the loom provides 8 additional unused fused outlets to provide power to additional bespoke services.

WHAT IS SPECIAL ABOUT THIS LOOM?

- Manufactured specifically for TR4-4A and TR5-250 but can easily be adapted to suit TR2-3A and TR6. These changes are primarily confined to the rear of the car. The loom, being based on a TR4 loom has separate spurs to the rear lamps where as the TR2-3B and TR6 come from one side only.
- Suits both LHD and RHD as the wires in the dashboard area have been left long enough to reach all usual placements of switched and instruments.
- The wire used in its construction is modern thin-wall insulation cable, resulting in a weight not much greater than a standard loom, but with increased reliability and provision for a 65amp alternator.
- All major services are relay operated. (Relays not supplied; 8 required)
- Many individual wires carry much less current due to relay operation
- Headlamps have separate wires and fuses for each filament

BEFORE BUYING THIS KIT

It should be borne in mind when ordering that the loom is fitted with the appropriate plugs for fitting directly to our new head control system, a TR6 type wiper motor, a battery cut off switch and an alternator. We strongly recommend fitting this equipment at the time that this loom is installed (unless already fitted), however if this is not to be done a small amount of alteration to wiring terminations will be needed to accommodate the original equipment. This loom also assumes -ve earth.

FEATURES AND SERVICES PROVIDED FOR

In addition to the standard wiring the following functionality is provided for. Unless stated otherwise the equipment for each feature will need to be ordered separately.

- Battery cut off switch, cutting off the battery feed and ignition and grounding the alternator on switching off the engine.
- Auxiliary fuse box (provided) with four connections constantly connected to the battery and four connections activated from the ignition switch via a relay. The fuse box is active provided the battery cut off switch is in the 'on' position. This facility allows for additional user equipment to be powered safely.
- Ten-way fuse box (provided) for individual HIGH and DIP beam filaments plus two dipping driving lamps (four filaments) or 4 spot/fog/driving lamps. Four relays operate main, dip and driving lamps. The two standard TR4 fuses are incorporated in this fuse box.
- Ten-way fuse box (provided), for new facilities such as radiator fan, logic overdrive, electric washers, navigation equipment etc.
- A special mount is available to support the relays and fuse boxes, please order RTR8500
- Logic overdrive triggering device, which automatically drops out the overdrive when changing gear. Dash mounted indicator lamp to show state of overdrive, in or out.
- TR6 wiper motor with two speeds and intermittent operation.
- Rocker light switch with illuminated legends. (Optional)
- Boot mounted reverse lamp with gearbox and cockpit override switches.
- Electrical radiator cooling fan with down pipe switch. Relay operated with cockpit override switch.
- Din sockets for lamps, mobile phone charger etc mounted in engine bay, dash, rear of cockpit bulkhead and in the boot compartment.
- Two electrical fuel pumps in the boot area with a change over switch on the dashboard.
- Boot lamp with boot lid operated switch (part number 134529-2) and dash mounted indicator lamp. This indicator lamp also serves to identify if the boot lid has inadvertently been left open.
- Interior lights – usually mounted in the windscreen frame. Operated by door switches and dash mounted override switch.
- Horn button for driver and navigator. Relay operated horns with facility for mounting on both sides of the front engine bay bodywork.
- Rheostat controlled illumination for rally instrumentation.
- Auxiliary feed for rally instrumentation.
- Electrical washers.
- Map light.
- Steering head controls consisting of: -
 - LH Stalk: Indicators, Overdrive and Dip/Flash (Flash action for main beam and driving lamps when driving lamp switch is in the "on" position and only the main beam when it is the "off" position)
 - RH Stalk: Up-self return one wipe, down one 1st wiper speed, down two 2nd wiper speed, push end for washers.

The wiring that is provided for the head controls is terminated in two plugs; therefore, fitment of the head controls requires no additional wiring as the two switches in the head controls are terminated in appropriate plugs, to connect straight into our wiring loom.

SUGGESTED EQUIPMENT

RTR8327K	Battery/Alternator cut off switch kit TR2-3B. (Switch in dash)
RTR8319K	Battery/Alternator cut off switch kit TR2-4A. (Switch under dash)
RTR8320K	Battery/Alternator cut off switch kit TR4-6. (Switch in radio panel or 'H' Frame)
RTR8280LK	Battery/Alternator cut off switch kit TR5-6 LHD. (Switch under dash)
RTR8280RK	Battery/Alternator cut off switch kit TR5-6 RHD. (Switch under dash)
RTR8431	TR2-3B conversion to TR6 wiper system
RTR8395-2	TR4-5 conversion to TR6 wiper system
RTR8102	All cars 30 Amp relays, usually 8 required.
RTR8123	10 Amp fuse blade type for RTR Fuse box
RTR8154	15 Amp fuse blade type for RTR Fuse box
RTR8152	20 Amp fuse blade type for RTR Fuse box
RTR8151	25 Amp fuse blade type for RTR Fuse box
RTR8410	Illuminated rocker switch Side and Main. Similar size to TR5-6
RTR8412	Illuminated rocker switch Interior lights. Similar size to TR5-6
RTR8502	Chrome Stalk on/off Leaver toggle switch with an LED Illuminated end. Available with Yellow, Blue, Green and Red lenses
RTR8068	Horn Push to make Switch
RTR8436	Chrome Stalk Momentary Operation Switch. Suitable for Horn or overdrive
RTR8328-1	Steering head control kit. No centre horn.
RTR8328-2	Steering head control kit. With centre horn
129768	Panel Rheostat switch
YKC940	Door and Boot lid Courtesy switch
RTR3381-1	Upper column TR2-3B when RTR8328 series head controls are used
RTR3381-2	Upper column TR4-6 when RTR8328 series head controls are used
RTR8198K	TR4-6 interior light kit
RTR8130K	TR2-4A 65 Amp alternator kit – with thin belt
RTR8124K	TR5-6 65 Amp alternator Kit
RTR1296K	Logic overdrive box
RTR8478	Air Horns or twin high tone PIAA Horns
RTR8223	Boot mounted reversing lamp
RTR9021	Boot compartment lamp
RTR8133	Illuminated switches, red, yellow, green, blue available
RTR8184	Electric washer bottle and pump kit 1.8LTR
RTR8185	Electric washer bottle and pump kit 2.5LTR
RTR8459	PIAA professional series 80 dipping driving lamps. 2 required
RTR8465	PIAA 80XT series driving lamp. 2 required
RTR8468	PIAA 520 SMR series driving lamp. 2 required
RTR8428	TR4-5 Spot lamp bar- stainless steel- fits with bumper.
RTR8126	TR4-6 Spot lamp bar as TR4 works rally cars fits instead of front bumper
RTR8193	Indicator Warning lamp Dash Mounted. Available in Amber, Blue, Green and Red lenses
RTR1396-2	Improved Heater kit
RTR8016	Auxiliary Feed Socket
RTR8017	Auxiliary Feed Plug
134529-2	switch for boot lamp.