NATIONAL TRACTION ENGINE TRUST

Preserving our heritage with steam on the road

See and Be Seen

Lights, Markers and Equipment – Descriptions, Source and Costs

The NTET is concerned that the minimum legal requirement for lighting on a historic steam vehicles is woefully insufficient to protect the engine and crew from being in a rear end collision when on the road.

Given the wide availability of low cost, high output, low current LED based lighting equipment in a huge range of formats the NTET considers that drivers and owners of vehicles on the road have opportunity to create lighting and marker configurations that will provide better protection to the engine, equipment, crew and passengers at reasonable cost.

To spread that message a slideshow presentation was made covering the topic 'See and be Seen' was made to the Engine Owners Conference held on 24th January at Kilsby.

The presentation was supported by practical demonstrations of a variety of lighting and marker equipment that could optionally be used to produce a bespoke 'engine protection suite' suitable for use on a specific engine or trailer arrangement.

To give guidance in the design of an 'Engine Protection Suite' listed below are some of the items used in the presentation and demonstration along with source and costs.

It is important to understand that the inclusion of any product in this list does not imply fitness for purpose nor does it endorse a product or its manufacturer or supplier. The list should be used merely a guide.

It is quite feasible that lower prices and different sources may be obtained by searching the internet and that alternate products are available; the list is not meant in any way to be prescriptive.

David Smith
Head of Technical Services
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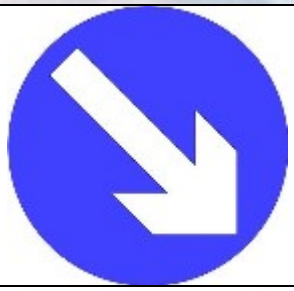
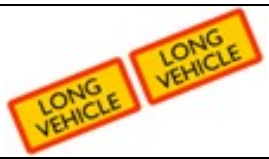
List of Example Components

Item	Description	Code	Cost £
	2 off 27watt 9 LED work-light/headlamp Specification: LED Power: 27W Operating Voltage: 10-30V DC Waterproof rate: IP 67 9pcs*3w high intensity LEDs Lumen：1755lum Current draw 1.7A @ 13V,0.9A@24V Color Temperature: 6500K	**Amazon.co.uk** – Joy-In Makers Code: CA-2 **Ebay.co.uk:** 361102705619	29.99 11.99
	12v - 24v Amber LED Light Bars / Strobe Lights, Set of 6 Amber Lights, 8 Flashing Options	**Amazon.co.uk**: Discount LED's	16.95
	12v - 24v Amber LED Light Bars / Strobe Lights, Set of 2 Amber Lights, 8 Flashing Options, 22 LEDs Per Light	**Amazon.co.uk**: Discount LED's	12.95
	5 pcs set 12V SMD 6 LED Red Rear/Side Marker Light	**Ebay.co.uk** Code: 151158445817	5.19
	SAVFY® 1 PCS Super Bright Waterproof Night Safety Warning Lamp & Release Strap Design For Easy Clip On	**Amazon.co.uk** Gmex Trading	4.99
	LE® LED, Battery Powered, 2 LEDs, 3 Light Mode Options, 2 AAA Batteries Included, Waterproof Tail Lights, Used for Safety and Warning	**Amazon.co.uk** Neon Mart	5.99

Item	Description	Code	Cost £
	Amber Flashing LED Strobe 12v (Pair)	**Amazon.co.uk** Bts-Trading Ref: BRA1025A_12V	23.97
	2 X 8 LED SMD Mini Side Rubber Marker Lights Lamp Trailer/Truck 12/24V	**Ebay.co.uk:** Code: 151572977315	6.29
	Right Diagonal Arrow 500 x 500mm Correx 700 x 700mm Correx 500 x 500mm Sticker 700 x 700mm Sticker	**Ebay.co.uk:** Code: 301246328343	 14.25 17.00 10.00 13.50
	12volt Lead Acid Sealed 45 Ah 40 Ah	**Ebay.co.uk:**	 47.00 41.00
	12volt Gel Sealed 24 Ah, 'Tee' Bar connection	**Ebay.co.uk:** Manu Code SLAYUANPC24-12I	49.32
	Marker Boards, BS AU 152 Type 5 'LONG VEHICLE', 525 X 250MM	**www.hgvdirect.co.uk** Web Code 500491	13.82 per pair
	Marker Boards, BS AU 152 Type 4 'SLOW VEHICLE', 1265 X 255MM	**www.hgvdirect.co.uk** Web Code 104166	12.88
	Left and Right chevron Marker Boards, BS AU 152 Type 2, 700 x 200 mm	**www.hgvdirect.co.uk** Web Code 500489	14.60