

## Components and Spares

Cat No	Description
0050/555690	Assembly consisting of 2 x under Rail Clamps, 2 x Inserts 113lb FB Rail, includes Nuts, Bolts and Washers for fitment of Wheel Detectors
0050/555691	Assembly consisting of 2 x under Rail Clamps, 2 x Inserts CEN 60-E2 Rail, includes Nuts, Bolts and Washers for fitment of Wheel Detectors
0050/555692	Assembly consisting of 2 under Rail Clamps, 2 x Inserts 95lb BH Rail, includes Nuts, Bolts and Washers for fitment of Wheel Detectors
0086/046321	50/39kHz Wheel Double Detector
0086/046322	39/50 kHz Wheel Double Detector
0086/010194	Trackside Housing (mushroom) and Stand
0050/555693	Locking Pin for trackside housing
0050/555696	Locking Yolk for trackside housing
0086/046319	BJ50kHz Junction Box Unit
0086/046320	BJ39kHz Junction Box Unit
0086/000555	Dual Surge Arrestor
0086/046308	Electronic Treadle Evaluation Unit (Type:- ETU-A) for bi-directional Power Supply Unit multi voltage 40v to 160 vdc and 90v to 260 vac Baseplate Termination Board for multi voltage power supply
	Electronic Treadle Evaluation Unit (Type:- ETU-D) for uni-directional Power Supply Unit multi voltage 40v to 160 vdc and 90v to 260 vac Baseplate Termination Board for multi voltage power supply
0086/046324	Installation Hardware, includes 2 x Protective Hoses, 2 x Cable Glands and 2 Orange Connector Blocks
0050/555698	Configuration Dongle, Unidirectional 8 second dwell time, direction "UP" sensitivity 50 to 39kHz
0050/555699	Configuration Dongle, Unidirectional 8 second dwell time, direction "DOWN" sensitivity 39 to 50kHz
0050/555697	Configuration Dongle, Bi-directional 8 second dwell time, WDD
0086/046450	Calibration Test Block
0086/046449	Rail Clamp only – excluding rail web inserts

### Contact for technical advice

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## Electronic Treadles



Available from Unipart Rail, the **GE Electronic Treadle**.  
 An alternative to the current electro mechanical (Silec) treadle & base.

### Complete installation solution

- Product Approval No PA05/02605
- No moving parts or component wear
- Significant maintenance reductions
- Reduced vandalism / false operation
- Eliminates the need for hydraulic oil
- No rail drilling needed
- Supplied as kits using one catalogue number
- For use on uni or bi-directional lines

This is a significant improvement on the traditional “armature operated” version as it has no moving parts, so has a longer inservice life, with lower maintenance costs.



GE imagination at work

## Kitting Information

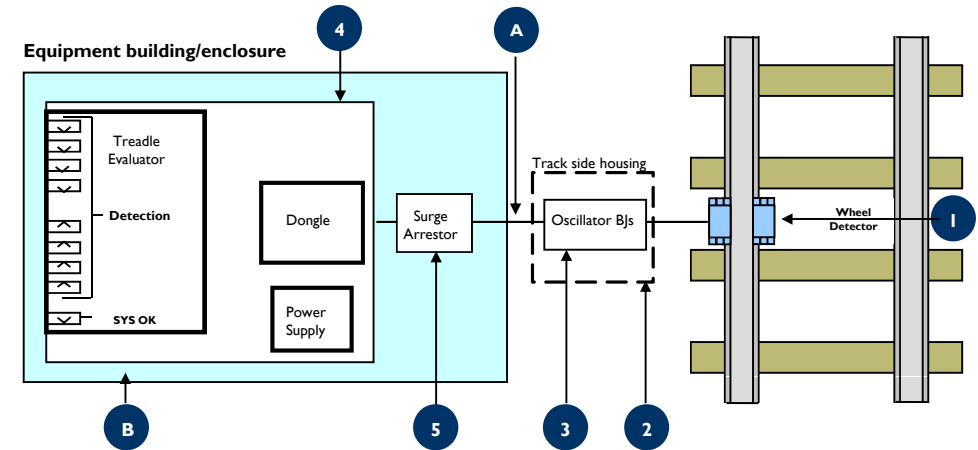
Cat No.	Description
K050/555700	Electronic Treadle kit complete for 113 lb FB rail uni-directional (up), up direction 50/39 kHz (Type ETU-D)
K050/555701	Electronic Treadle kit complete for CEN 60-E2 rail uni-directional (up), up direction 50/39 kHz (Type ETU-D)
K050/555702	Electronic Treadle kit complete for 95 lb BH rail uni-directional (up), up direction 50/39 kHz (Type ETU-D)
K050/555703	Electronic Treadle kit complete for 113 lb FB rail uni-directional (down), down direction 39/50 kHz Type ETU-D)
K050/555704	Electronic Treadle kit complete for CEN 60-E2 rail uni-directional (down), down direction 39/50 kHz Type ETU-D)
K050/555705	Electronic Treadle kit complete for 95 lb BH rail uni-directional (down), down direction 39/50 kHz Type ETU-D)
K050/555706	Electronic Treadle kit for 113lb FB rail bi-directional operation (ETU-A)
K050/555707	Electronic Treadle kit for CEN 60-E2 rail bi-directional operation (ETU-A)
K050/555708	Electronic Treadle kit for 95lb BH rail bi-directional operation (ETU-A)

Kitting has been introduced to provide installation teams with all materials required for each single treadle installation.

### Each kit contains:

- Set of wheel detectors with rail fixing clamps and rail inserts
- Full installation kit including nuts, bolts, washers and 4m protective tubing
- Trackside housing (mushroom) with stand, electronic units and terminal blocks
- Electronic Treadle Unit (ETU) (Type: ETU-A for bi-directional and Type : ETU-D for uni-directional) including multi voltage power supply and 8 second dwell time dongle. Power supply operation for 40 to 160 vdc and 90 to 260 vac. ETU fits within 3 x BRB relay spaces
- Surge arrestor
- Power supply unit
- Suitable for all traction environments including AC and DC electrification
- Detection suitable up to 250 mph

## Equipment Layout



### Key to Diagram

1. Wheel detector complete with 4m cables – clamped to rail
  2. Trackside housing (mushroom) complete with stand for mounting
  3. Electronic trackside units with termination blocks
  4. Electronic Treadle Unit (ETU) complete with 40v to 160 vdc/90v to 260 vac power supply, 8 second dwell time dongle and Treadle Evaluator to suit (uni-directional) or (bi-directional) traffic
  5. Surge arrestor
- A. Type C2 4 core cable (maybe existing)  
 B. Location case/Equipment Housing (maybe existing)

NB - Items 1, 2, 3, 4 and 5 supplied in kit format including all nuts, bolts, washers and protective tubing.