



SKILLRAY

TACHOGRAPHS – FIRST AND FOREMOST

TACHOGRAPH PARTS & SERVICES CATALOGUE

t: 01925 880081

e: sales@skillray.co.uk | w: www.skillray.co.uk

Contents

1381 Tachographs 3.0
& 1381 Tachographs 4.1 4-5

SE5000 Tachographs
Exact Duo & SE5000
Smart 2 6-7

Tachograph Kits 8-12

M1/N1 kits/Installation parts 13

Stationery 14

Analogue Tachographs 15-19

Batteries & Seals 20

Senders 21-23

Cables & Accessories 24-25

Download Tools 26

Programmers 27

Tools & Accessories 28

Smart Tachograph
Software Updates 29

Training 30

Calibrations, Cito, Licence
and Services 31

Skillray Transport Services UK Ltd

Unit 1 Birchwood Park
Crab Lane
Fearnhead
Warrington
WA2 0XR

Key Contacts

Sales

Richard Green: 07770 252049
Damian Morandini: 07734 768010
Pamela Boyd: 07496 396539

Training

Jackie Wright: 07792 197105

Technical

Ken Gosling: 07969 279880
Lee Lucas: 07792 890034

Operations Manager

Jason Kairies 07921 480439

Office

01925 880081

Opening times

Customer services Monday - Friday:
08:30 - 17:00

Technical support: 07:00 - 22:00
7 days a week

Directors

Paul Wright: 07917 123991
Andrew Wright: 07776 291451
Jackie Wright: 07792 197105

1381 Tachographs 3.0 & 3.0A



PART NO. 3.0 & 3.0A	DESCRIPTION
ST10013.0A	1381 Mercedes Sprinter 12v
ST10023.0A	1381 Iveco Daily 12v
ST10033.0A	1381 VW Crafter 12v
ST10043.0	1381 Volvo 24v
ST10043.0A	1381 Volvo 24v
ST10053.0	1381 MAN 24v
ST10063.0	1381 DAF 24v
ST10073.0	1381 Renault 24v
ST10073.0A	1381 Renault 24v
ST10083.0	1381 Mercedes 24v
ST10083.0A	1381 Mercedes 24v
ST10093.0	1381 Scania 24v
ST10103.0	1381 Iveco 24v
ST10173.0	1381 Dennis Eagle 24v
ST10183.0	1381 Universal 12/24v
ST10203.0	1381 Stand Alone 24v
ST10213.0	1381 Stand Alone 12v
ST10233.0A	1381 Ford Transit 12v
ST10243.0	1381 Isuzu 12/24v
ST10243.0A	1381 Isuzu 12/24v
ST10253.0	1381 Mitsubishi 12/24v
ST10253.0A	1381 Mitsubishi 12/24V
ST10263.0	1381 Alexander Dennis 24v
ST10263.0A	1381 Alexander Dennis 24v
ST10273.0	1381 Evo Bus 24v
ST10273.0A	1381 Evo Bus 24v
ST10283.0A	1381 Fiat, Citroen & Peugeot 12v
ST10293.0	1381 Hino 24v
ST10303.0	1381 King Long Bus 24v
ST10303.0A	1381 King Long Bus 24v
ST10313.0	1381 Van Hool 24v
ST10333.0	1381 Universal 12/24v

1381 Tachographs 4.1 Smart 2



Smart Tachographs

PART NO. 1381 4.1 & 4.1A	DESCRIPTION
ST10014.1A	1381 Mercedes Sprinter 12v
ST10024.1A	1381 Iveco Daily 12v
ST10034.1A	1381 VW Crafter 12v
ST10044.1	1381 Volvo 24v
ST10044.1A	1381 Volvo 24v
ST10054.1	1381 MAN 24v
ST10064.1	1381 DAF 24v
ST10074.1	1381 Renault 12/24v
ST10074.1A	1381 Renault 12/24v
ST10084.1A	1381 Mercedes 24v
ST10094.1	1381 Scania 24v
ST10104.1	1381 Iveco 24v
ST10174.1A	1381 Dennis Eagle 24v
ST10184.1	1381 Universal 12/24v
ST10204.1	1381 Stand Alone 24v
ST10214.1	1381 Stand Alone 12v
ST10234.1A	1381 Ford Transit 12v
ST10244.1A	1381 Isuzu 12/24v
ST10254.1	1381 Mitsubishi 12/24v
ST10254.1A	1381 Mitsubishi 12/24v
ST10264.1A	1381 Alexander Dennis 24v
ST10274.1	1381 Evo Bus 24v
ST10274.1A	1381 Evo Bus 24v
ST10284.1A	1381 Fiat, Citroen, Peugeot 12v
ST10294.1	1381 Hino 24v
ST10304.1	1381 King Long Bus 24v
ST10304.1A	1381 King Long Bus 24v
ST10314.1	1381 Van Hool 24v
ST10314.1A	1381 Van Hool 24v
ST10444.1	1381 Universal 12/24v



PART NO.	DESCRIPTION
ST5000D	SE5000 Mercedes Sprinter 12v
ST5001D	SE5000 Iveco Daily 12v
ST5002D	SE5000 VW Crafter 12v
ST5003D	SE5000 Volvo 24v
ST5004D	SE5000 MAN 24v
ST5005D	SE5000 DAF 24v
ST5006D	SE5000 Renault 12/24v
ST5007D	SE5000 Mercedes 24v
ST5009D	SE5000 Scania 24v
ST5010D	SE5000 Iveco 24v
ST5017D	SE5000 Dennis Eagle 24v
ST5018D	SE5000 Universal 12/24v
ST5021D	SE5000 Stand Alone 24v
ST5022D	SE5000 Stand Alone 12v
ST5024D	SE5000 Isuzu 12/24v
ST5025D	SE5000 Mitsubishi 12/24v
ST5026D	SE5000 Alexander Dennis 24v
ST5027D	SE5000 Evo Bus 24v
ST5028D	SE5000 Fiat Ducato 12v
ST5029D	SE5000 Hino 24v
ST5030D	SE5000 King Long Bus 24v
ST5031D	SE5000 Van Hool 24v
ST5032D	SE5000 Universal 24v ADR



Smart Tachographs

SE5000 SMART 2	
PART NO.	DESCRIPTION
ST5000S	SE5000 Mercedes Sprinter 12v
ST5001S	SE5000 Iveco Daily 12v
ST5002S	SE5000 VW Crafter 12v
ST5003S	SE5000 Volvo 24v
ST5004S	SE5000 MAN 12/24v
ST5005S	SE5000 DAF 24v
ST5006S	SE5000 Renault 12/24v
ST5007S	SE5000 Mercedes 24v
ST5009S	SE5000 Scania 24v
ST5010S	SE5000 Iveco 24v
ST5018S	SE5000 Universal 12/24v
ST5021S	SE5000 Stand Alone 24v
ST5022S	SE5000 Stand Alone 12v
ST5024S	SE5000 Isuzu 12/24v
ST5025S	SE5000 Mitsubishi 12/24v
ST5027S	SE5000 Evo Bus 24v
ST5028S	SE5000 Fiat Ducato 12v
ST5029S	SE5000 Hino 24v
ST5030S	SE5000 King Long Bus 24v
ST5031S	SE5000 Van Hool 24v
ST5032S	SE5000 Universal 24v ADR

Digital installation kits are based on the latest model at the time of print, please be aware vehicle specification may change.

All new digital installation kits require second speed signal as from 1st October 2012.

All vehicles registered after 15th June 2019 require smart tachographs.

Please note vehicles CANBUS system can be used for second speed signals on models after 2013 (this only applies if manufacturer offers a factory fitted tachograph system).

For more information or fitting advice please call the technical line.

VW CRAFTER



PART NO.	DESCRIPTION
ST1300	1B VDO Tachograph Kit
ST1500	Smart 2 VDO Smart Tachograph Kit
ST2300	1B Stoneridge Tachograph Kit
ST2500	Smart 2 Stoneridge Smart Tachograph Kit

Please check gearbox. This vehicle may require an M1/N1 adaptor. See page 13.

FORD CUSTOM



PART NO.	DESCRIPTION
ST1302	1B VDO Tachograph Kit
ST1502	Smart 2 VDO Smart Tachograph Kit
ST2302	1B Stoneridge Tachograph Kit
ST2502	Smart 2 Stoneridge Smart Tachograph Kit

FORD TRANSIT 6 SPEED (REAR)



Ford harness available

PART NO.	DESCRIPTION
ST1303	1B VDO Tachograph Kit
ST1503	Smart 2 VDO Smart Tachograph Kit
ST2303	1B Stoneridge Tachograph Kit
ST2503	Smart 2 Stoneridge Smart Tachograph Kit

MERCEDES BENZ SPRINTER



PART NO.	DESCRIPTION
ST1305	1B VDO Tachograph Kit
ST1505	Smart 2 VDO Smart Tachograph Kit
ST2305	1B Stoneridge Tachograph Kit
ST2505	Smart 2 Stoneridge Smart Tachograph Kit

IVECO DAILY



Iveco harness available. Automatic vehicle may need dynamic sender

PART NO.	DESCRIPTION
ST1306	1B VDO Tachograph Kit
ST1506	Smart 2 VDO Smart Tachograph Kit
ST2306	1B Stoneridge Tachograph Kit
ST2506	Smart 2 Stoneridge Smart Tachograph Kit

LANDROVER 6 SPEED



Drilling through footwell is required. Designed pod available

PART NO.	DESCRIPTION
ST1308	1B VDO Tachograph Kit
ST1508	Smart 2 VDO Smart Tachograph Kit
ST2308	1B Stoneridge Tachograph Kit
ST2508	Smart 2 Stoneridge Smart Tachograph Kit

Please check gearbox. This vehicle may require an M1/N1 adaptor. See page 13.

LANDROVER DISCOVERY



PART NO.	DESCRIPTION
ST1309	1B VDO Tachograph Kit
ST1509	Smart 2 VDO Smart Tachograph Kit
ST2309	1B Stoneridge Tachograph Kit
ST2509	Smart 2 Stoneridge Smart Tachograph Kit

Please check gearbox. This vehicle may require an M1/N1 adaptor. See page 13.

MERCEDES VITO



PART NO.	DESCRIPTION
ST1310	1B VDO Tachograph Kit
ST1510	Smart 2 VDO Smart Tachograph Kit
ST2310	1B Stoneridge Tachograph Kit
ST2510	Smart 2 Stoneridge Smart Tachograph Kit

Please check gearbox. This vehicle may require an M1/N1 adaptor. See page 13.

NISSAN CABSTAR



PART NO.	DESCRIPTION
ST1312	1B VDO Tachograph Kit
ST1512	Smart 2 VDO Smart Tachograph Kit
ST2312	1B Stoneridge Tachograph Kit
ST2512	Smart 2 Stoneridge Smart Tachograph Kit

CITROEN, FIAT, PEUGEOT



PART NO.	DESCRIPTION
ST1315	1B VDO Tachograph Kit
ST1515	Smart 2 VDO Smart Tachograph Kit
ST2315	1B Stoneridge Tachograph Kit
ST2515	Smart 2 Stoneridge Smart Tachograph Kit

Please check gearbox. This vehicle may require an M1/N1 adaptor. See page 13.

ISUZU D-MAX



Designed pods available

PART NO.	DESCRIPTION
ST1320	1B VDO Tachograph Kit
ST1520	Smart 2 VDO Smart Tachograph Kit
ST2320	1B Stoneridge Tachograph Kit
ST2520	Smart 2 Stoneridge Smart Tachograph Kit

Additional gearbox parts needed. See page 13.

FORD RANGER



PART NO.	DESCRIPTION
ST1321	1B VDO Tachograph Kit
ST1521	Smart 2 VDO Smart Tachograph Kit
ST2321	1B Stoneridge Tachograph Kit
ST2521	Smart 2 Stoneridge Smart Tachograph Kit

Please check gearbox. This vehicle may require an M1/N1 adaptor. See page 13.

ISUZU GRAFTER/NQR/ N35/NKR/NPR



PART NO.	DESCRIPTION
ST1322	1B VDO Tachograph Kit
ST1522	Smart 2 VDO Smart Tachograph Kit
ST2322	1B Stoneridge Tachograph Kit
ST2522	Smart 2 Stoneridge Smart Tachograph Kit

Additional gearbox parts maybe needed for Smart 2. Please call the office for more information.

MITSUBISHI CANTER



PART NO.	DESCRIPTION
ST1324	1B VDO Tachograph Kit
ST1524	Smart 2 VDO Smart Tachograph Kit
ST2324	1B Stoneridge Tachograph Kit
ST2524	Smart 2 Stoneridge Smart Tachograph Kit

VW TRANSPORTER



PART NO.	DESCRIPTION
ST1325	1B VDO Tachograph Kit
ST1525	Smart 2 VDO Smart Tachograph Kit
ST2325	1B Stoneridge Tachograph Kit
ST2525	Smart 2 Stoneridge Smart Tachograph Kit

DENNIS EAGLE



PART NO.	DESCRIPTION
ST1323	1B VDO Tachograph Kit
ST1523	Smart 2 VDO Tachograph Kit
ST2323	1B Stoneridge Tachograph Kit
ST2523	Smart 2 Stoneridge Tachograph Kit

MAN TGE



PART NO.	DESCRIPTION
ST1526	Smart 2 VDO Tachograph Kit
ST2526	Smart 2 Stoneridge Tachograph Kit

FIAT DUCATO



PART NO.	DESCRIPTION
ST1527	Smart 2 VDO Tachograph Kit
ST2527	Smart 2 Stoneridge Tachograph Kit

RENAULT MASTER KIT



PART NO.	DESCRIPTION
ST1528	Smart 2 VDO Tachograph Kit
ST2528	Smart 2 Stoneridge Tachograph Kit



M1/N1 is a universal tachograph kit, designed for vehicles that are unable to take a gearbox sender, with a gross train weight of 3.5 tonnes. The system requires an electronic speed signal from the vehicle. Please call the office for more details.

M1/N1 Kit

PART NO.	DESCRIPTION
STM1/N1-1381	1B VDO Tachograph M1/N1 kit
STM1/N1-1381 4.1	Smart 2 VDO Tachograph M1/N1 Kit
2910003039200	VDO M1/N1 Adapter (1B/Smart)

M1/N1 Kit

PART NO.	DESCRIPTION
STM1/N1-SE5000	1B Stoneridge Tachograph M1/N1 kit
STM1/N1-SE5000SM2	Smart 2 Stoneridge Tachograph M1/N1 Kit
M1/N1 Adapter SM	Stoneridge M1/N1 Adapter (1B/Smart)

Kit Parts

PART NO.	DESCRIPTION
ST325	Universal plastic POD
ST341	MAN TGE Pod
ST342	D-Max Pod
X39-140-000-011	Installation housing
ST21700504	Landrover Discovery cable & PIN (for Discovery 4)
ST60730412	Landrover Defender speed cable
ST126	CAN Interface
ST126G	CAN Interface (Isuzu)
LIGHT	T-Light
GEO	Geoloc for 1381
MOTION	Tachomotion for SE5000
ST1220a	1B Isuzu D-MAX gearbox parts
ST1220b	Smart Isuzu D-MAX gearbox parts
ST1220c	Smart Isuzu Adapter Only
DRIVE	Drive Spade

Charts

PART NO.	DESCRIPTION
ST400	125 Km/h Charts
ST402	140 Km/h Charts
ST403	180 Km/h Charts
ST404	Blind Charts



Paper Tally Rolls

PART NO.	DESCRIPTION	QUANTITY
ST500	Paper Tally Rolls (box of 3)	1-49
		50-99
		100+

Defect Books

PART NO.	DESCRIPTION
T20	Defect Book
T50	Defect Book



PART NO.	MODEL	TRIM	VOLTAGE
ST01	1318	Standard	12
ST02	1318	Standard	24
ST03	1318	Mercedes Benz – Black Rectangle	24
ST04	1318	Mercedes Benz – Grey Rectangle	24
ST05	1318	Mercedes Benz – Atego	24
ST06	1318	Mercedes Benz – Vario 125kph	24
ST06a	1318	Mercedes Benz – Vario 140kph	12
ST06b	1318	Mercedes Benz – Vario 140kph	24
ST07	1318	Iveco	24
ST08	1318	Iveco – 140kph	12
ST09	1318	Volvo	24
ST10	1318	MAN – Grey Facia	24
ST11	1318	MAN – Green Facia	24
ST12	1318	Scania	24
ST13	1318	Leyland DAF	24
ST14	1318	Renault Premium	24

Note: All orders are supplied as part of an exchange service. An old unit must be returned when the new unit is fitted. The old unit must be the same type as the order – ie: if a 1318 is ordered a 1318 must be returned.

1314 / 1311 to 1318 Conversion Kits

PART NO. (DUO)	MODEL	TRIM	VOLTAGE
ST006	1314/1318	Standard	12/24
ST006/merc	1314/1318	Mercedes Benz	12/24
ST007	1311/1318	Standard	12/24
ST007/merc	1311/1318	Mercedes Benz	12/24

1324 Analogue Tachograph



PART NO.	MODEL: VEHICLE
ST601	Nissan Cabstar
ST602	Neoplan / Evo Bus / Bova (1324 no required)
ST603	MAN TG-A
ST604	Mercedes Actros / Atego 125kph
ST604a	Mercedes Actros / Atego 140kph
ST605	Nissan Atlon
ST606	Mercedes Benz Sprinter 180kph 12v (1324 no. required)
ST607	Volvo FL
ST608	Stand Alone 180kph 12v
ST609	Stand Alone 125kph 24v
ST610	Iveco Daily 180kph 12v (1324 no. required)
ST611	MAN TG-A 4th Stylus
ST612	Volkswagen T4 180kph 12v
ST613	Leyland DAF CF&ERF (Tilt)
ST614	Leyland DAF CF&ERF ADR Petrol
ST616	Renault Premium or Renault Midlum 125kph
ST616a	Renault Premium or Renault Midlum 140kph
ST617	Renault Magnum
ST618	Leyland DAF LF (Rigid)
ST619	Iveco Stralis
ST621	Volvo FH/FM
ST622	Volvo ADR petrol
ST626	Leyland DAF 4th Stylus
ST627	Setra / Evo Bus
ST628	Scania

Note: All 1324 orders are supplied as part of an exchange service. An old unit must be returned when the new unit is fitted. The old unit must be the same type as the order. i.e if a 1324 is ordered a 1324 must be returned.

2400 Analogue Tachograph



PART NO.	MODEL	VOLTAGE/SPEED
2416 GAA / GCA	Mercedes Actros	125km/h 24v
2416 GEA (no display)	Mercedes Atego	125km/h 24v
2416 GTA	Mercedes Sprinter	180 km/h 12v
2416 DAA	DAF	125km/h 24v
2416 FTP	Ford Transit	180km/h 12v
2416 IBA	Iveco Daily	125km/h 12v
2416 ITA	Iveco Daily	180km/h 12v
2416 IAA	Iveco Stralis	125km/h 24v
2406 REA	Renault Premium	125km/h 24v
2406 RKA	Renault Midlum	140 km/h 24v
2416 RVK	Renault Master	180km/h 12v
2416 SAA	Scania	125 km/h 24v
2416 VAA	Volvo	125km/h 24v
2416 MAC	MAN TGA	125km/h 24v
2416 KAA	Stand Alone	125km/h 24v
2416 KBA	Stand Alone	125km/h 12v
2416 KTA	Stand Alone	180 km/h 12v
2416 KHA	Stand Alone	140 km/h 12v

Note: All 2400 orders are supplied as part of an exchange service. An old unit must be returned when the new unit is fitted. The old unit must be the same type as the order. i.e if a 2400 is ordered a 2400 must be returned.

8400 Analogue Tachograph



PART NO.	MODEL	TRIM	VOLTAGE
ST50	8400	Standard	12
ST51	8400	Standard	24
ST52	8400	Mercedes Benz – Black Rectangle	24
ST53	8400	Mercedes Benz – Grey Rectangle	24
ST54	8400	Mercedes Benz – Atego	24
ST55	8400	Mercedes Benz – Vario 125kph	24
ST56	8400	Mercedes Benz – Vario 140kph	12
ST57	8400	Mercedes Benz – Vario 140kph	24
ST58	8400	Iveco	24
ST59	8400	Iveco 140kph	12
ST60	8400	Volvo	24
ST61	8400	Man – Grey facia	24
ST62	8400	Man – Green facia	24
ST63	8400	Scania	24
ST64	8400	DAF	24
ST65	8400	Renault Premium	24

Note: All 8400 orders are supplied as part of an exchange service. An old unit must be returned when the new unit is fitted. The old unit must be the same type as the order. i.e if an 8400 is ordered an 8400 must be returned.

EGK/1319 Analogue Tachograph



EGK Conversion Kits

PART NO.	TYPE	VOLTAGE
ST005A	2400 including speedo	24
ST005B	1324 including speedo	24
ST005C	Digital including speedo	24
ST005D	2400 no speedo	24
ST005E	1324 no speedo	24
ST005F	Digital no speedo	24

1319 Conversion Kits

PART NO.	SPEED SCALE	VOLTAGE
ST001D	2400 no speedo	12/24v
ST001E	1324 no speedo	12/24v
ST001F	Digital no speedo	12/24v



Unisto Smart Seal

PART NO.	MODEL	QUANTITY
ST800T	Unisto Smart Seal	Min. 100
ST800TE	Unisto Smart Seal (Etched)	Min. 100
6949-244	Smart Sealing Wire	Min. 1



Royal Pack Seal

PART NO.	MODEL	QUANTITY
ST823	Royal Pack Seal	Min. 10



Batteries

PART NO.	MODEL
ST702	VDO Batteries
ST704	Lithium Batteries



Proximity and Impulse Senders for Analogue Tachographs

PART NO.	MODEL
ST100	3 PIN impulse sender unit
ST101	4 PIN impulse sender unit
ST102	19.88mm Prox sender unit
ST103	25mm Prox sender unit
ST104	35mm Prox sender unit
ST105	63mm Prox sender unit
ST106	90mm Prox sender unit
ST106.115	115mm Prox sender unit
ST107	19.88mm Prox sender unit – round top / round pins
ST108	25mm Prox sender unit – round top / round pins
ST109	35mm Prox sender unit – round top / round pins
ST110	63.2mm Prox sender unit – round top / round pins
ST111	90mm Prox sender unit – round top / round pins
ST112	115mm Prox sender unit – round top / round pins
ST113	25mm Prox sender unit – round pins
ST114	90mm Prox sender unit – round pins



KITAS Sensors

PART NO.	TYPE
ST906	KITAS 2+ internal Thread M22 x 1.5
ST116	19.88mm KITAS 2+
ST116DYN	19.88mm Dynamic KITAS 2+
ST117	25mm KITAS 2+
ST118	35mm KITAS 2+
ST118DYN	35mm Dynamic KITAS 2+
ST119	63.2mm KITAS 2+
ST119DYN	63.2mm Dynamic KITAS 2+
ST120	90mm KITAS 2+
ST122A	Mercedes Sprinter Sender with Gearbox Bracket (Manual)
ST122B	Mercedes Sprinter Sender with Gearbox Bracket (Automatic)
ST124	23.8mm KITAS 2+ O Ring
ST125	19.88mm KITAS 2+ (1.8mm washer)
ST125A	19.88mm KITAS 2+ (1.8mm washer) (Automatic Gearbox)
ST127	25mm KITAS 2+ (no washer)
ST128	115mm KITAS 2+
ST121	1318/1324 & 2400 Barrier Device



Smart Tachograph Senders

PART NO.	TYPE
ST830	18mm KITAS 4
ST830A	18mm KITAS 4 (Automatic Gearbox)
ST831	18.6mm KITAS 4
ST832	23.8mm KITAS 4
ST833	33.8mm KITAS 4
ST834	62mm KITAS 4
ST834DYN	62mm Dynamic KITAS 4
ST835	88.8mm KITAS 4
ST837	113.8mm KITAS 4
ST838	Mercedes all-in-one with Sender (Manual Gearbox)
ST839	Mercedes all-in-one with Sender (Automatic Gearbox)
ST122A	Mercedes Sprinter Sender with Gearbox Bracket (Manual)
ST122B	Mercedes Sprinter Sender with Gearbox Bracket (Automatic)
ST840	19.8mm KITAS 4
ST841	25mm KITAS 4



Antenna/Cables

PART NO.	TYPE
ST332	VDO Antenna
ST333	VDO Antenna Cable
ST330	Stoneridge Antenna 24v
ST335	Stoneridge Antenna 12v
ST331	Stoneridge Antenna cable
ST337	VDO GNSS Antenna
ST330S	Stoneridge Antenna 24v – Scania



Lesikar Senders

PART NO.	TYPE
LS116	19.8mm Lesikar Sender
LS117	25mm Lesikar Sender
LS118	35mm Lesikar Sender
LS119	63mm Lesikar Sender
LS120	90mm Lesikar Sender
LS128	115mm Lesikar Sender

Compatible with 1B and Smart 2



PART NO.	DESCRIPTION
ST202	Power harness
ST203	4 PIN 6m armoured cable
ST203R	4 PIN 6m armoured cable (round PINs)
ST204	4 PIN 15m armoured cable
ST205a	KITAS cable – 100m roll
ST206	3 PIN repair kit
ST207	4 PIN repair kit
ST209	KITAS repair kit
ST209R	KITAS repair kit (angled)
ST210.05	KITAS twisted cable 5m
ST210.06	KITAS twisted cable 6m
ST210.10	KITAS twisted cable 10m
ST210.12	KITAS twisted cable 12m
ST210.15	KITAS twisted cable 15m
ST210.20	KITAS twisted cable 20m
ST213	Transducer mechanical (Please supply vehicle type)
SK215	Non armoured Electronic interface
PLC1	1324 CTCII Programming Lead
PLC2	Digital CTCII Programming Lead
PLM1	1324 MarkII / Optimo Programming Lead
PLM2	Digital MarkII / Optimo Programming Lead

Note: We can supply KITAS twisted cable at any length – please ask when ordering.



PART NO.	DESCRIPTION
ST300	Red tachograph seals
ST301	Lead tachograph seals
ST302	Sealing wire
ST303	Rear cable cover seal for 1318
ST304	Interior switch cover seal for 1318
ST305	1324 KITAS sealing kit
ST306	2400 sealing kit (7450 – 300)
ST307	8400 sealing kit
ST308	EGK plastic seal (large – in 10's)
ST309	EGK plastic seal (small – in 10's)
ST311	Label for K-Factor (in 100's)
ST312	Sealing Foil for K-Factor (in 100's)
ST313a	DIN cage for 1381/SE500/2400
ST314	Removal keys for 1324
ST314a	Removal keys for 1381/2400/SE5000
ST315a	1381 DTCO 2.2 rear sealing cover and screw
ST315b	1381 DTCO 3.0 / 4.0 / 4.1 Rear Sealing Cover and Screw
ST317	Tachograph key (short)
ST318	Tachograph key (long)
ST319	Reflective stickers (in 100's)
ST324	Seal for Mercedes Benz Sprinter (in 10's)
ST324E	Seal for Mercedes Benz Sprinter (in 10s) - Etched
ST216	Mini terminals flat pins (in 100's)

PART NO.	DESCRIPTION
ST216a	Mini terminals round pins (in 100's) KITAS
7800006	SE5000 sealing kit
CT100	Cito plaques (in 300's)
WC005	Webcal printer ribbon
6800-006	CITO Printer Ribbon 83mm x 100m AS2
6800-011	CITO Printer Ribbon 110mm x 300m AS1
A2C59514659	VDO Test Certificates (30 Pack)
A2C59517066	VDO Foils (30 Pack)
WC002	Plaque Printer
WC101	Silver Plaque Overlay
WC003	Card Reader
WC004	Decommissioning Lead
RED	Tachograph plug
YELLOW	Tachograph plug
BROWN	Tachograph plug
WHITE	Tachograph plug
Sealing Pliers L	Sealing pliers Lead
Sealing Pliers R	Sealing pliers Red
BUCKET SE5000- 1B	Digital paper roll tray for Exakt
BUCKET SE5000- 1C	Digital paper roll tray for Smart 2
2910000955300	Digital paper roll tray for 1381
2910000955200	Card flaps for 1381
A2C59513382	Cleaning card & cloth

Tachsafe 2

The **Tachsafe 2** is easy to use and has a built in card reader which can read and download driver cards within one minute. The mobile unit is suitable for all types of fleet managers, professional and private carriers and independent drivers. The Tachsafe 2 can also quickly download the memory of the tachograph itself.

The **Tachsafe 2** will let you know when you need to make another download, and allows archived information to be sorted by driver and vehicle. The reports are clear, whether it is an overview of the activities of the driver or his compliance with driving rules.

A total solution for the price of a download key!

Price includes software.



PART NO.	DESCRIPTION
ST502	Tachsafe 2
ST503	A2C59515252DLK Pro Download Key

DLK

Efficient simple and user-friendly data handling. Designed for Fleets, Drivers, Workshops and Authorities, ideal for downloading and archiving mass memory and Driver Card Data from digital tachographs.

Digital tachograph data is downloaded via the easy to use interface, which is compatible with all digital tachographs.

Features:

- DLK Pro Download Key Software for key configuration, data visualisation and data archiving on the key.
- USB extension cable.
- Quick Start Booklet (printed) and Operating Instructions (digital).



Optimo² Tablet

Optimo² is the latest in Workshop programming technology, designed with the user in mind. The robust, wireless Optimo² Workshop tablet uses proven technology to deliver everything the Workshop needs for programming and calibrating tachographs.

Optimo² has also been updated to meet the requirements of the Annex 1C tachograph legislation, introduced in June 2019, giving you everything you need to work with smart tachographs in the workshop environment.



PART NO.	DESCRIPTION
ST805	Optimo Tablet
ST801	DSRC Tester
7000-002	Optimo Digital dongle
7000-003	2400 Dongle
7000-004	1324 Dongle
7000-239	1B / Smart 2 Stoneridge Optimo Kitas Sensor Cable

Workshop Tablet

Fully integrated tachograph inspection on one device THE VDO WORKSHOP TABLET.

- Shorter inspection times, calibrates all makes of digital tachograph.
- Save time in the workshop by up to 50 percent.
- Robust touchscreen display for quick and easy data entry.
- Operates Wirelessly.
- Compatible with current and future versions of Digital Tachographs.
- Self-explanatory test sequences.
- Online support.



PART NO.	DESCRIPTION
ST820	Workshop Tablet
ST821	DSRC Tester
A2C59506339	MTCO Workshop Link
A2C59507497	SE5000 Workshop Link
A2C59506338	1381 Workshop Link
A2C59507494	KITAS Direct



Simulator 12/24v DTCO SIM

The simulator is a device that is used as a replacement for a tachograph in a vehicle where a tachograph is not mandatory, but the existing installation requires signals generated by the tachograph.

The simulator generates following signals:

- V imp, 4 imp/m, zero speed signal
- via CAN: vehicle speed, distance travelled, date and time
- via k-line: distance travelled, date and time
- The simulator has the same connections as tachograph – the A [white], B [yellow] and D [brown] sockets. The simulator can be used in **12v or 24v vehicles.**



Remote download

Remote Download GPRS downloads remotely to the digital tachograph. The remote download unit (RDU) is permanently installed on the truck and it is connected to the digital tachograph. The download process is coordinated by a Remote Download Server. Download is initiated manually or by a scheduler application. The system works in the background but it warns the user in case of errors.

Features:

- Permanent fleet control
- Mandatory downloads are made automatically
- No risk of penalty caused by missing downloads
- The truck doesn't need to return periodically to the base station to download the tachograph so important cost savings are made
- No need of responsible personnel for tachograph management
- 3-year sim card included
- Analysis package available.



Sender Reader Unit WS09

The new sender reader avoids the calibration centre from running reference cables, saving time and money. The unit has a one button function providing details within 5 seconds.



KITAS Direct for VDO Workshop Tab



Stoneridge Optimo Kitas Sensor Cable

Update Packages

PART NO.	DESCRIPTION
ST-Connekt	Optimo Annual Update Package
ST826	Stoneridge Antenna Update
ST827	SE5000 Smart 2 Tachograph Software Update
ST828	1381 Smart 2 Tachograph Software Update



Smart 2 Update Cables

PART NO.	DESCRIPTION
ST850	Optimo Download Cable
ST851	DSRC / Tachograph Update Cable
ST852	Male / Male Red plug
ST853	Bench Test DSRC Update Cable

Initial Training Hub

New to our training hub in 2020. New technicians will now have the option to learn with E-learning & live practical. **The course will involve:**

- 2 days E-learning +
- 2 days on-site.

Our exciting new Hub includes FREE Designated Manager tachograph training.

FOLLOW OUR SIMPLE STEPS TO BOOK:

1. Choose a suitable week that suits your needs
2. Choose your location
3. Speak to Jackie to book on **01925 880081** Or email **Jackie@Skillray.co.uk**

Bulletin Hub

It is important to keep the right people up to date with equipment, processes, procedures and products used in the Tachograph centre.

Many changes are planned for smart tachographs over the coming years. Don't miss out on any legislation changes, our Bulletins Hub will provide all the latest information live to technicians within minutes of it's release.

Refresher Hub

E-Learning continues to gain ground in the commercial world. Centres implement it to develop their staff, streamline their processes, and expand their reach. Our Refresher Hub now includes tachograph refresher courses, training can be split over a 3 year period to suit your needs and technician downtime. Skillray will continue its face to face interaction with technicians with our regular tool box talk session. We aim to create a culture of continuous learning within the Tachograph scheme.

Skillray Transport offer a full range of Tachograph installation and calibration services. We carry parts for Hartridge, 9500 & Roller Brake Testers.

Our Standard Calibration consists of two calibrations per annum (6-months apart). Calibrations cover all Tachograph equipment on-site.



Brake Tester

Skillray have a Tachograph solution available for all commercial Brake Testers. This allows Workshops to remove old free running rollers and utilise one bay for Brake testing & Tachograph.

Calibration

Skillray offer a full calibration service for all Stoneridge equipment. Our services include free accidental damage cover on Optimo.

Please speak with your regional sales manager for further details.

Licences

- Cito Annual charge
- Optimo Connekt
- Tacho Hub



Skillray Transport Services UK Ltd, Unit 1 Birchwood Park, Crab Lane, Fearnhead, Warrington, WA2 0XR
t: 01925 880081 | e: sales@skillray.co.uk | w: www.skillray.co.uk

Notes