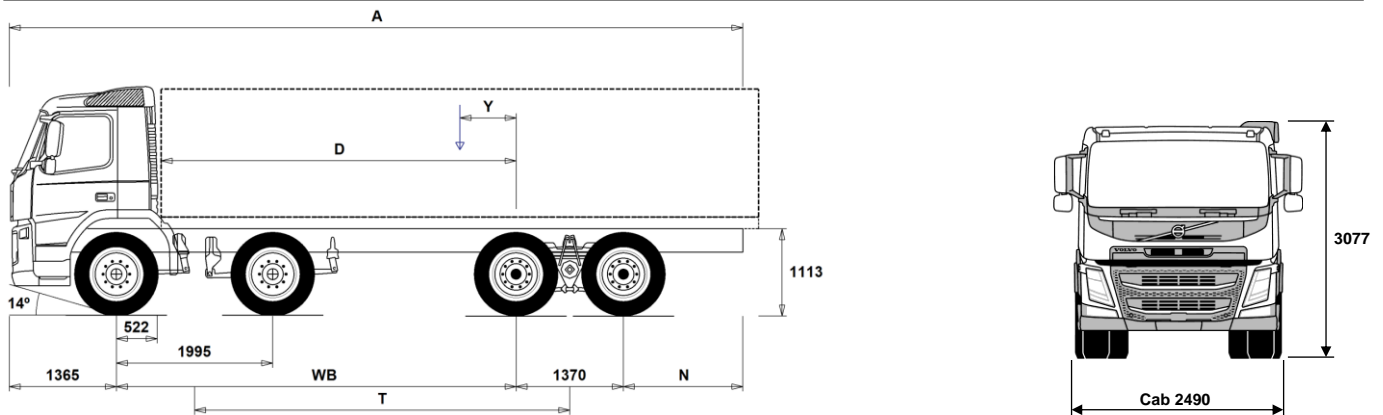


# MODEL RANGE



Volvo Trucks. Driving Progress

FM 11 8x4 Rigid - High T Ride - N3 Cranked front axle for on road work FM 84F R1HT



## Chassis Dimensions [mm]

WB Wheelbase	5100	5600
A Overall Chassis Length	10660	11410
D Center of rear axle to front of body	4528	5028
N Rear Overhang (Min.)	1225	1225
N Rear Overhang (Max.)	2825	3075
T Theoretical Wheelbase	4788	5288
Y Center of Gravity for Payload (Min.)	760	923
Y Center of Gravity for Payload (Max.)	1397	1630

## Chassis Weights [kg]

Front Axles	6195	6165
Rear Bogie	3270	3375
Kerb Weight	9465	9540
Payload (including body, driver, fuel, etc.)	22535	22460

## Turning Diameter [mm]

Turning Circle Diameter Kerb to Kerb	20600	22200
Turning Circle Diameter Wall to Wall	22000	23700

## Plated Weights [kg]

	Plated	Design
Gross Vehicle Weight	32000	42000
Gross Combination Weight	44000	44000
Front Axles	16000	16000
Rear Bogie	19000	26000

## Important Notes

### Chassis Dimensions

Cab Height: +416 mm for CAB-HSLP, -169 mm for CAB-LSLP.  
Front Axle to Back of Cab: +424 mm for CAB-HSLP and CAB-SLP, +418 mm for CAB-LSLP.

D-measure includes a front clearance of 50 mm and for rigid trucks also a subframe of 100 mm.

Height can vary  $\pm 20$  mm for leaf and  $\pm 10$  mm for air suspension.

All dimensions are for unladen chassis and any tag axles down.

Rear overhang used for vehicle weight calculation is the maximum rear overhang (N Max.) for selected wheelbase.

Weight and dimensions are based upon the following tyres:

Front Axle Tyres:	315/80R22.5
Drive Axle Tyres:	315/80R22.5

**Chassis weight includes oil, water, AdBlue, 0 litres fuel and without driver. Kerb weight can vary  $\pm 3\%$ .**

Turning diameters are theoretically calculated.

Legal weights can differ from country to country.

For more detailed weight information, including optional equipment weights, ask your Volvo sales contact to enter your specification into the Volvo Weight Information system (WIS).

Do NOT use this drawing for bodybuilding. Refer to Volvo Bodybuilder Instructions and chassis assembly drawing FM84FR1HT.

# MODEL RANGE

FM 11 8x4 Rigid - High T Ride - N3 Cranked front axle for on road work FM 84F R1HT

## TRUCK USE

- RC-ROUGH** Operating class on/off road
- RC-VROUG** Very rough road conditions
- TIPP-PRE** Tipper vehicle preparation
- UNIFORM** Basic platform vehicle

## CORE COMPONENTS

- CHH-HIGH** Chassis height high - N3 "On Road" chassis - For a specific loading height always check the unique BEP chassis drawing
- RADD-TR1** T-ride 1 rear two spring bogie suspension, 75mm wide springs
- RADD-TR2** T-ride 3 rear two spring bogie suspension, reinforced
- FM-DAY** Day cab - with steel safety cage design  
Designed and built to Swedish impact and ECE R29 regulations
- FM-HSLP** Globetrotter cab - with steel safety cage design  
Designed and built to Swedish impact and ECE R29 regulations
- FM-LSLP** Low sleeper cab - with steel safety cage design  
Designed and built to Swedish impact and ECE R29 regulations
- FM-SLP** Sleeper cab - with steel safety cage design  
Designed and built to Swedish impact and ECE R29 regulations
- EU6SCR** Emission level - Euro 6
- D11K330** D11K330 10.8 litre engine developing 330hp at 16-1900rpm.  
Peak torque 1600Nm at 950-1400rpm.
- D11K380** D11K380 10.8 litre engine developing 380hp at 17-1900rpm.  
Peak torque 1800Nm at 950-1400rpm.
- D11K430** D11K430 10.8 litre engine developing 430hp at 17-1800rpm.  
Peak torque 2050Nm at 1058-1400rpm.
- D11K460** D11K460 10.8 litre engine developing 450hp at 16-1800rpm.  
Peak torque 2200Nm at 1050-1400rpm.
- EBR-EPG** Exhaust brake controlled by steering column switch
- EBR-EPGC** Exhaust pressure governor for I shift gearbox
- EBR-VEB** Volvo engine brake and exhaust pressure governor retardation 300kW
- AT2612F** AT2612F 12-speed "I-shift" automated mechanical gearbox suitable for gross train weights up to 60tonne only refer to sales engineering when used in conjunction with a PTO
- ATO2612F** ATO2612F 12-speed "I-shift" overdrive automated mechanical gearbox suitable for gross train weights up to 60tonne refer to sales engineering when used in conjunction with a PTO
- PT2106** Powertronic automatic 6-speed gearbox, max. engine torque 2100 Nm, max. permitted GCW 100000 kg
- RTH2610F** RTH2610F hub reduction tandem 26tonne drive axles, GCW 100 tonnes with differential and cross locks\*  
\* Cross locks replaced by a dog clutch if tandem axle lift is specified
- RTH3210F** RTH3210F hub reduction tandem 32 tonne drive axles, GCW 100 tonnes with differential and cross locks\*  
\* Cross locks replaced by a dog clutch if tandem axle lift is specified
- RTH3312** RTH3312 hub reduction tandem 33tonne drive axles, GCW 120 tonnes with differential and cross locks\*  
\* Cross locks replaced by a dog clutch if tandem axle lift is specified
- RTS2370A** RTS2370A single reduction tandem 23tonne drive axles with differential and cross locks\* - design GCW 70tonnes.  
\* Cross locks replaced by a dog clutch if tandem axle lift is specified.

## PACKAGES

- DRIVEFM** Cab Package: Drive
- DRIVEFM+** Cab Package: Drive +
- BEDFM** One bed resting package
- AUDHIG** High Power Audio system: RDS radio with CD player - also

Standard Equipment       Optional Equipment

For more detailed information about cab and powertrain equipment, please refer to separate specification sheets.

For all possible options and combinations of options please consult your Volvo sales contact who can create a specification to match your requirements using the Volvo Sales Support system (VSS).

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## MEDIA

playing MP3/WMA files from CD -, with integrated bluetooth phone and USB/Line inputs. FM/AM antenna, speakers in dashboard, doors, and sleeping compartment.

## MEDIADF

AM/FM Bluetooth radio without CD player.  
USB and Aux line inputs.  
Speakers in dashboard, doors, and sleeping compartment.  
7" touch screen with personal apps.  
AM/FM Bluetooth radio without CD player.  
USB and Aux line inputs.  
Speakers in dashboard, doors, and sleeping compartment.  
7" touch screen with personal and professional apps.  
Dynafleet vehicle on-board data display with office internet support.

## MEDIANAV

AM/FM Bluetooth radio without CD player.  
USB and Aux line inputs.  
Speakers in dashboard, doors, and sleeping compartment.  
7" touch screen with personal and professional apps.

## MEDIANDF

Truck based satellite navigation (live updates not included)  
AM/FM Bluetooth radio without CD player.  
USB and Aux line inputs.  
Speakers in dashboard, doors, and sleeping compartment.  
7" touch screen with personal and professional apps.  
Truck based satellite navigation (live updates not included)  
Dynafleet vehicle on-board data display with office internet support.

## VISI15

Visibility Package

## RCHAPAC1

Chassis Package Rigid

## CHASSIS

### FST-PAR

Front suspension type - 2 leaf parabolic springs

### FST-PAR3

Front suspension type - 3 leaf parabolic springs

### FAL16.0

Front axles design capacity 16 tonnes - 2 x 8.0 tonne front axles

### FAL18.0

Front axles design capacity 18 tonnes - 2 x 9 tonne front axles - check tyre load index

### FAL20.0

Front axles design capacity 20 tonnes - 2 x 10.0 tonne front axles only available with front air suspension.

### FSM-LUB

Lubricated rear shackles on front suspension pins and bushings

### FSTAB

Front anti-roll bar

### FSTAB2

Front anti-roll bar medium stiffness

### FSTAB3

Front stiff anti-roll bar

### RAL23

Rear bogie design capacity 23 tonnes

### RAL26

Rear bogie design capacity 26 tonnes

### RAL32

Rear bogie design capacity 32 tonnes

### RSTAB1

Rear anti-roll bar

### RSAP2

Heavy duty rear suspension application (with reinforcements)

### ACTST-TO

Volvo Dynamic Steering (VDS) with with extra electronic pump and torque overlay

### ASFE-BAS

Active steering feature - Basic - Volvo Dynamic Steering only

### ASFE-PS

Active steering feature - Volvo Dynamic Steering with personal settings

### PSS-DUAL

Dual power steering system

### PSP-VAR

Power steering pump with variable displacement

### EBS-MED

EBS medium package including "hill" hold function

### AUXPARK

Additional spring parking brakes

### RST-MUL

Rear Suspension, Multi-leaf springs

### RST-PAR1

Rear Suspension, Parabolic springs

### FBREG-E

Front regulating brake valve, EBS

### FRAME300

Frame rail section external height 300 mm

### FST8080

Frame thickness - web and flange 8.0mm

### FIL-EEEB

Inner liner from end of engine to end of bogie

### FIL-EEEF

Inner liner from end of engine to end of frame

### FIL-FBEB

Inner liner over rear bogie

# MODEL RANGE

## FM 11 8x4 Rigid - High T Ride - N3 Cranked front axle for on road work FM 84F R1HT

- FIL-FBEF** Inner liner from front of bogie to end of frame
- FIL-TXEB** Inner liner from gearbox member to end of bogie
- FIL-TXEF** Inner liner from gearbox member to end of frame
- BBOX-L** Battery box located on left hand side
- 2BAT210B** 2 x 210 Ah capacity Gel batteries
- 2BATT170** 2 x 170 Ah capacity batteries
- 2BATT225** 2 x 225 Ah capacity batteries
- BATTAMP** Battery voltage and ampere gauge
- BATTIND** Battery charge indication
- ADR2** ADR package for transportation of dangerous goods on road (Note does NOT include safe loading pass package if required this is quoted separately)
- MSWI-A** Main switch - ADR switch circuit shut down
- MSWI-C** Main switch - Chassis mounted toggle switch by battery box
- MSWI-R** Main switch - Key fob operated remote controlled
- UR-FUEL** Without right fuel tank  
Min volume 255l  
Max volume 810l
- UL-FUEL** Without left fuel tank  
Min volume 160l  
Max volume 450l
- ADTP-L** AdBlue tank on left hand side
- ADTP-LF** AdBlue tank on left hand side at the front
- ADTP-R** AdBlue tank on right hand side
- ADB032** AdBlue tank usable volume 32 litres
- ADB048** AdBlue tank usable volume 48 litres
- ADB064** AdBlue tank usable volume 64 litres
- FCAP-L** Locking fuel filler cap
- FUFF-AS** Fuel filling anti-spillage device
- FUFF-ATS** Fuel filling anti-theft and anti-spillage devices
- ESH-LEFT** Horizontal silencer, left exhaust outlet
- ESH-REAR** Horizontal silencer, rear exhaust outlet
- ESH-RIGH** Horizontal silencer, right exhaust outlet
- ESH-VERT** Horizontal silencer, vertical exhaust outlet
- ESHVERT** Horizontal chassis mounted diesel particulate filter and vertical SCR silencer behind cab
- EXST-SSP** Stainless steel exhaust stack - NOT polished
- EXST-ST** Steel exhaust stack
- WHC-FIX2** Two fixed wheel chocks
- WHC-FOL2** Two foldable wheel chocks
- WHCP-F** Wheel chock(s) stored in the front part of the vehicle
- WHCP-R** Wheel chock(s) stored in the rear part of the vehicle
- WHCP-T** Transport mounted wheel chock(s) stored in cab outer luggage locker
- TB-L80** Toolbox 800 mm, left side
- TB-R80** Toolbox 800 mm, right side
- SUP-BAS** EC approved chassis side guards
- SUP-LOW** EC approved low chassis side guards
- CHAIN-S** Snow chains
- HOOK-SC** Snow chain hooks
- TOWF-NO1** One front towing device
- TOWF-NO2** Two front towing devices
- TOWMBRH** Towing member, high mounted in centre of frame, D = 190
- TOWMBRL1** Towing member, low mounted under the frame
- TOWMBRM** Towing member, medium mounted in line with frame lower flange
- RFEC-S** Rear frame end, straight cut for regular platform applications
- RFEC-U** Rear frame end, upper cut for tipper applications.
- C-RI4040** Towing coupling, Ringfeder 4040 G-150
- C-RI5055** Towing coupling, Ringfeder 5055 G-150
- C-RO400G** Towing coupling, Rockinger 400 G-150 for 40mm eyes
- C-RO50** Rockinger RO 50 50mm for centre axle trailer
- TOWR-ONE** Towing hitch attached to rear crossmember
- TREL-PK** Trailer electrical preparation kit - chassis/cab wiring
- TREL14** Single 14 pole electrical trailer connector
- TREL15** Single 15 pole electrical trailer connector - ADR certified
- TREL7** 7 pole - 24N trailer electrical suzie
- TREL7-7** 24N and 24S trailer electrical suzies
- TBC-DUO** Duomatic type air line connectors
- TBC-EC** Palm coupling type air line connectors
- TRBR-HCF** Full pressure hand controlled trailer brake
- TRBR-STA** Stationary trailer brake control
- TRB-STRE** Stretch Brake - Automatic low speed trailer brake activation to avoid jack-knifing and improve steerability
- RUP-FOSL** Folding & sliding EC approved aluminium rear underrun
- FFEND-B** Standard mounted mud wings on second front axle
- FFEND-T** Transport mounted mud wings on second front axle
- RFEND-B** Three piece EC approved rear mud wings and spray flaps
- RFEND-T** Rear mud wings, transport mounted
- RFH-BAS** Basic rear wing height
- RFH-HIG** High rear wing height - higher wing tops
- RFH-LOW** Lower rear wing height - shallower wing tops
- ATANK-AL** Aluminium air tanks
- ATANK-ST** Steel air tanks
- TL-LED** Rear lights LED
- BLIGHT-E** Emergency brake light

### WHEELS & TYRES

- RT-AL** Alcoa brushed aluminium rims with standard holes for long stud fixing on all axles
- RT-ALDP** Alcoa Dura-Bright EVO aluminium rims with standard holes long stud fixing on all axles, requires cleaning with a ph neutral solution - washing up liquid.
- RT-ALDPD** Alcoa Dura-Bright EVO aluminium rims with countersunk holes for short stud fixing on all axles, requires cleaning with a ph neutral solution - washing up liquid.
- RT-ALDU** Alcoa brushed aluminium rims with countersunk holes for short stud fixing on all axles
- RT-SPOKE** Spoke rims on all axles
- RT-STEEL** Steel rims on all axles
- WCAP** Aerodynamic hub caps
- SPWT-D** Spare wheel & tyre with rear tyre pattern
- SPWT-F** Spare wheel & tyre with front tyre pattern
- SWCP-LF** Spare wheel carrier on left side of chassis ahead of rear axle
- SWCP-T** Spare wheel supplied temporarily strapped to chassis
- SWCP-TP** Temporary spare wheel carrier on top of chassis frame
- JACK-12T** 12 tonne bottle jack
- JACK-15T** 15 tonne bottle jack
- JACK-20T** 20 tonne bottle jack
- TOOL-BAS** Basic Toolkit
- TOOLKIT** Complete tool kit
- INFLAHOS** Tyre inflation hose
- GAUGE-TP** Tyre pressure gauge

### DRIVELINE EQUIPMENT

- TRAP-HD** Reinforced gearbox application
- TP-CON** Construction Package
- TP-DIST** Distribution Package
- TP-HD** I-shift software - Heavy duty for high GCW
- TP-LONG** Special conditions apply consult Sales Engineering Long Haul Package
- AMSO-AUT** Enhanced I-shift software with manual shift available in auto mode and kickdown facility on accelerator pedal

Standard Equipment       Optional Equipment

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<input type="checkbox"/> <b>AVO-ENH</b>	Enhanced software for off road driveability and starting	<input type="checkbox"/> <b>PTRD-F</b>	PTO with 1 DIN + 1 flange connection rear, manual gearbox
<input type="checkbox"/> <b>APF-ENH</b>	I-shift enhanced PTO functions	<input type="checkbox"/> <b>HPG-F101</b>	Parker F1-101 gearbox mounted, fixed displacement, single flow, hydraulic pump
<input type="checkbox"/> <b>RET-TH</b>	Gearbox mounted retarder	<input type="checkbox"/> <b>HPG-F41</b>	Parker F1-41 gearbox mounted, fixed displacement, single flow, hydraulic pump
<input type="checkbox"/> <b>RET-TPT</b>	Hydraulic Retarder for Powertronic gearbox	<input type="checkbox"/> <b>HPG-F51</b>	Parker F1-51 gearbox mounted, fixed displacement, single flow, hydraulic pump
<input type="checkbox"/> <b>TC-HWO</b>	Automatic gearbox oil cooler - water to oil	<input type="checkbox"/> <b>HPG-F61</b>	Parker F1-61 gearbox mounted, fixed displacement, single flow, hydraulic pump
<input type="checkbox"/> <b>TC-MAOH2</b>	Extra high performance transmission oil cooler - air to oil with front mounted radiator	<input type="checkbox"/> <b>HPG-F81</b>	Parker F1-81 gearbox mounted, fixed displacement, single flow, hydraulic pump
<input type="checkbox"/> <b>TC-MWO</b>	Basic transmission oil cooler - water to oil	<input type="checkbox"/> <b>EIDLESD</b>	Engine idle shut down
<input type="checkbox"/> <b>1COMP530</b>	Single cylinder, air compressor, 530 litres per minute	<input type="checkbox"/> <b>DTRI-PER</b>	Dashboard in darker peregrine greyish brown. Steering wheel grey and door panels in light beige for FH and black for FH16.
<input type="checkbox"/> <b>2COM1100</b>	Two cylinder, air compressor, 1100 litres per minute	<input checked="" type="checkbox"/> <b>STWPOS-R</b>	RIGHT HAND DRIVE
<input checked="" type="checkbox"/> <b>2COMP900</b>	Two cylinder, air compressor, 900 litres per minute	<input type="checkbox"/> <b>STWM-LE</b>	Leather steering wheel
<input type="checkbox"/> <b>CLU-AIRC</b>	Clutchable air compressor	<input type="checkbox"/> <b>STGW-AD2</b>	Adjustable steering wheel with neck tilt
<input checked="" type="checkbox"/> <b>AIRIN-HI</b>	Roof mounted air intake behind cab on left hand side	<input checked="" type="checkbox"/> <b>STGW-ADJ</b>	Adjustable steering wheel
<input type="checkbox"/> <b>AIRIN-LO</b>	Low level air intake behind cab on left hand side	<input checked="" type="checkbox"/> <b>AIRBAG</b>	SRS Driver's air bag
<input type="checkbox"/> <b>ACL1ST-S</b>	Two stage air filter	<input checked="" type="checkbox"/> <b>DRC-AMII</b>	DPF Regeneration control switch - for manual and switching off regeneration
<input checked="" type="checkbox"/> <b>24AL110B</b>	110 amp alternator	<input checked="" type="checkbox"/> <b>1DAYDIG2</b>	Continental VDO DTCO 4.0 smart tachograph This tachograph can ONLY offer remote download if the option of Dynafleet or an FMS gateway has been specified with this order.
<input type="checkbox"/> <b>24AL120B</b>	120 amp alternator	<input type="checkbox"/> <b>1DAYDIGP</b>	Continental VDO DTCO 3.0 digital tachograph For vehicles with long lead time - this includes prep kit for the retrofit of DTCO 4.0 tachograph. For updating to new legal demand for trick registration from 15th June 2019. This tachograph can ONLY offer remote download if the option of Dynafleet or an FMS gateway has been specified with this order.
<input type="checkbox"/> <b>24AL150B</b>	150 amp alternator	<input type="checkbox"/> <b>ARSL</b>	Additional road speed limit - switch in dashboard
<input checked="" type="checkbox"/> <b>CCV-C</b>	Closed crankcase engine ventilation	<input type="checkbox"/> <b>CRUIS-E</b>	Eco cruise control (with eco-roll and I-cruise, controls in steering wheel)
<input type="checkbox"/> <b>CCV-OX</b>	Closed crankcase ventilation for cold markets	<input checked="" type="checkbox"/> <b>CRUISEC</b>	Cruise control, standard
<input checked="" type="checkbox"/> <b>PRIM-EL</b>	Electrical priming pump	<input type="checkbox"/> <b>ESP-BAS1</b>	Electronic Stability Control
<input type="checkbox"/> <b>PRIM-MAN</b>	Manual priming pump	<input type="checkbox"/> <b>ESPC-RO</b>	ESP (Electronic Stability Program) functionality control - Reduced / Off
<input type="checkbox"/> <b>FUEQ-EH</b>	Fuel line electric heater	<input type="checkbox"/> <b>HWSS-ACB</b>	Adaptive cruise control ACC with forward collision warning and AEBS advanced emergency brake system
<input type="checkbox"/> <b>AF-R</b>	Hot fuel recirculation heated fuel filter	<input type="checkbox"/> <b>HWSS-FCB</b>	Forward collision warning with AEBS advanced emergency brake system
<input type="checkbox"/> <b>FUEFE2LW</b>	Large engine mounted dual fuel filter with water separator	<input type="checkbox"/> <b>LSS-DW</b>	Lane departure-warning system
<input checked="" type="checkbox"/> <b>FUEFE2SW</b>	Small engine mounted dual fuel filter with water separator	<input type="checkbox"/> <b>LCS</b>	Lane change support
<input type="checkbox"/> <b>EST-AID</b>	Air inlet manifold starting heater element	<input type="checkbox"/> <b>DAS-W</b>	Driver Alert Support system
<input type="checkbox"/> <b>220EBH15</b>	220V/1.5Kw electric engine block heater	<input type="checkbox"/> <b>RSENS-W</b>	Rain sensing windscreen wipers
<input type="checkbox"/> <b>PTER-100</b>	Rear engine mounted power-take-off with DIN 100 / ISO 7646 flange	<input type="checkbox"/> <b>CU-ECC</b>	Electrically controlled air conditioning with sun sensor
<input type="checkbox"/> <b>PTER-DIN</b>	Rear engine mounted PTO with DIN5462 (female) splined shaft for a close coupled pump. Models with 3 steering axles will use this to drive the steering pump (AUXPSP)	<input type="checkbox"/> <b>CU-ECC2</b>	Electrically controlled air conditioning with sun sensor, mist sensor, air quality sensor and carbon filter
<input type="checkbox"/> <b>PTER1400</b>	Rear engine mounted power-take-off with SAE 1410 flange	<input checked="" type="checkbox"/> <b>CU-MCC</b>	Climate unit with manual controlled air conditioning
<input type="checkbox"/> <b>HPE-F101</b>	Parker F1-101, engine mounted, fixed displacement, single flow, engine mounted hydraulic pump	<input checked="" type="checkbox"/> <b>IMMOBIL</b>	Thatcham H2 approved immobiliser
<input type="checkbox"/> <b>HPE-F41</b>	Parker F1-41, engine mounted, fixed displacement, single flow, engine mounted hydraulic pump	<input type="checkbox"/> <b>ALARM-B</b>	Thatcham H1 approved vehicle alarm - Cab only
<input type="checkbox"/> <b>HPE-F51</b>	Parker F1-51, engine mounted, fixed displacement, single flow, engine mounted hydraulic pump	<input type="checkbox"/> <b>ALARM-E</b>	Enhanced vehicle alarm - Thatcham H1 approved - Cab plus external sensor for body/trailer
<input type="checkbox"/> <b>HPE-F61</b>	Parker F1-61, engine mounted, fixed displacement, single flow, engine mounted hydraulic pump	<input type="checkbox"/> <b>ALCOLOCK</b>	Alcolock
<input type="checkbox"/> <b>HPE-F81</b>	Parker F1-81, engine mounted, fixed displacement, single flow, engine mounted hydraulic pump	<input type="checkbox"/> <b>BUPMON</b>	Back up monitor with built in 7" screen on dash and one colour camera supplied loose for fitment by bodybuilder. Can accommodate up to 4 cameras for TfL Safe Scheme,
<input type="checkbox"/> <b>HPE-T53</b>	Parker F2-53/53, engine mounted, Fixed displacement, Twin flow engine mounted hydraulic pump		
<input type="checkbox"/> <b>HPE-T70</b>	Parker F2-70/35, engine mounted, Fixed displacement, Twin flow engine mounted hydraulic pump		
<input type="checkbox"/> <b>HPE-V45</b>	Parker VP1-45, variable displacement, single flow, engine mounted hydraulic pump		
<input type="checkbox"/> <b>HPE-V75</b>	Parker VP1-75, variable displacement, single flow, engine mounted hydraulic pump		
<input type="checkbox"/> <b>PTPT-D</b>	Powertronic PTO, 1 front/upper DIN connection for plug-in pump (max. 850 Nm)		
<input type="checkbox"/> <b>PTPT-F</b>	Powertronic PTO, 1 front/upper rear facing SAE flange conn. for prop shaft (max.850 Nm)		
<input type="checkbox"/> <b>PTR-D</b>	Gearbox PTO for plug-in pump, 0.71xeng speed		
<input type="checkbox"/> <b>PTR-DH</b>	Gearbox driven high speed PTO for one plug-in hydraulic pump		
<input type="checkbox"/> <b>PTR-DM</b>	Gearbox driven medium speed PTO for one plug-in hydraulic pump		
<input type="checkbox"/> <b>PTR-F</b>	Gearbox driven PTO with rear flange connection		
<input type="checkbox"/> <b>PTRD-D</b>	Gearbox driven HIGH SPEED PTO for two plug-in hydraulic pumps		
<input checked="" type="checkbox"/> <b>Standard Equipment</b>		<input type="checkbox"/> <b>Optional Equipment</b>	

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FM 11 8x4 Rigid - High T Ride - N3 Cranked front axle for on road work FM 84F R1HT

	CLOCS and FORS.				
<input type="checkbox"/>	<b>PHONE-PK</b>	Telephone preparation kit (antenna, antenna attachm. cable incl.)	<input type="checkbox"/>	<b>SBPRE-PS</b>	Passenger seat belt pretensioner
<input type="checkbox"/>	<b>WLIFT-AD</b>	Electrical window lift, automatic up/down driver side	<input type="checkbox"/>	<b>ARM-DBPS</b>	Two armrests on driver seat and one (outer) on passenger seat
<input checked="" type="checkbox"/>	<b>WLIFT-EB</b>	Electrical window lift	<input type="checkbox"/>	<b>ARMRE-BB</b>	Two armrests on both driver and passenger seat.
<input type="checkbox"/>	<b>WLIFT-ME</b>	Mechanical window lift	<input type="checkbox"/>	<b>ARMRE-DB</b>	Two armrests, on driver seat only
<input type="checkbox"/>	<b>ISUNS-BS</b>	Side interior sun visor on both sides	<input type="checkbox"/>	<b>ARMRE-PB</b>	Two armrests, on passenger seat only
<input checked="" type="checkbox"/>	<b>ISUNS-DS</b>	Driver's side interior sun visor	<input type="checkbox"/>	<b>ARMRE-PS</b>	Single armrest (next to driver) on passenger seat
<input checked="" type="checkbox"/>	<b>ISUNF-B</b>	Interior front sun visor without mirror	<input type="checkbox"/>	<b>ARU-BAS</b>	Vinyl upholstered armrest
<input type="checkbox"/>	<b>ISUNF-MD</b>	Interior front sun visor with mirror on driver side	<input type="checkbox"/>	<b>ARU-LEA</b>	Leather upholstered armrest
<input type="checkbox"/>	<b>ISUNF-RE</b>	Electrically operated textile interior sun blind	<input checked="" type="checkbox"/>	<b>FMAT-RUB</b>	Rubber floor mats
<input type="checkbox"/>	<b>ISUNF-RM</b>	Manually operated textile interior sun blind	<input type="checkbox"/>	<b>FMAT-TX2</b>	Textile and rubber floor mats
<input checked="" type="checkbox"/>	<b>CSPU-S</b>	One open storage (behind push open lid) in upper part of dash panel center section	<input type="checkbox"/>	<b>LBK-RES</b>	Foldable rest bunk
<input type="checkbox"/>	<b>ADFS</b>	Two extra DIN slots in front shelf - can be fitted with card or drawer available as an accessory	<input type="checkbox"/>	<b>LBK70</b>	Lower bunk 700 x2000 mm, fixed
<input checked="" type="checkbox"/>	<b>BUPALARM</b>	Reverse alarm	<input checked="" type="checkbox"/>	<b>ULBK</b>	Without lower bunk
<input type="checkbox"/>	<b>RTOLL-PK</b>	Road toll PREPARATION kit for trucks operating with "Toll Collect" in Germany	<input type="checkbox"/>	<b>MATL-FI</b>	Firm lower bunk pocket sprung mattress
<input type="checkbox"/>	<b>REMC-MF</b>	Multi-functio wireless remote control	<input type="checkbox"/>	<b>MATL-SF</b>	Lower flexizone mattress - semi-firm, pocket springs up to 100kg - 16 stone
<input type="checkbox"/>	<b>FIREXT3S</b>	3kg fire extinguisher mounted on seat base	<input type="checkbox"/>	<b>MATL-SO</b>	Lower flexizone mattress - soft, pocket springs up to 85kg - 13.5 stone
<input type="checkbox"/>	<b>WARNVEST</b>	High visibility warning vest - no sleeves	<input type="checkbox"/>	<b>OLMAT-BA</b>	35mm mattress overlay protector
<input type="checkbox"/>	<b>AIDKIT</b>	First aid kit	<input type="checkbox"/>	<b>OLMAT-PR</b>	50mm premium mattress overlay protector
<input type="checkbox"/>	<b>AIDKIT1B</b>	First aid kit	<input type="checkbox"/>	<b>TBK60F</b>	Fixed foldable top bunk 600 x 1900mm
<input type="checkbox"/>	<b>WARNLAMP</b>	Portable warning lamp	<input type="checkbox"/>	<b>TBK70F</b>	Fixed foldable top bunk 700 x 1900mm
<input type="checkbox"/>	<b>LAMP-IN</b>	Inspection lamp	<input type="checkbox"/>	<b>PH-CAB2</b>	1.8kW Air to air night heater
<input type="checkbox"/>	<b>BULBKIT</b>	Bulb and fuse kit	<input type="checkbox"/>	<b>PH-ENGCA</b>	Engine and cab night heater
<input type="checkbox"/>	<b>WRITEPAD</b>	Writing pad	<input type="checkbox"/>	<b>PH-SS</b>	Short stop heater
<input type="checkbox"/>	<b>UPHTRI10</b>	Seats: Black embossed textile insert with light grey sides, black vinyl side bolster with blue vinyl side insert. Interior trim: Raven black bunk and curtains & blue textile side walls	<input type="checkbox"/>	<b>SLCP-BAS</b>	Basic sleeper control panel - includes interior light, parking heater, roof hatch and door lock
<input type="checkbox"/>	<b>UPHTRI11</b>	Seats: Light grey embossed textile insert, black raven metallic vinyl bolster with red vinyl side insert. Interior trim: Raven black bunk and curtains & grey vinyl side walls	<input type="checkbox"/>	<b>SAFE</b>	Safe box for driver's personal items
<input type="checkbox"/>	<b>UPHTRI12</b>	Seats: Blue soft textile insert, black vinyl bolster. Interior trim: Raven black bunk and curtains & blue textile side walls	<input type="checkbox"/>	<b>ETSB-F</b>	Storage on engine tunnel - on front top
<input type="checkbox"/>	<b>UPHTRI13</b>	Seats: Dark grey leather insert and black leather bolster. Interior trim: Raven black bunk and curtains & grey vinyl side walls	<input type="checkbox"/>	<b>ETSB-FR</b>	Storage on engine tunnel - on front top and at rear cab wall
<input type="checkbox"/>	<b>UPHTRI14</b>	Seat: Dark grey leather insert and black leather bolster. Interior trim: Raven black bunk and curtains & blue textile side walls	<input type="checkbox"/>	<b>ETSB-FRS</b>	Storage on engine tunnel - on front top & at rear cab wall & storage recessed into tunnel on right hand side
<input checked="" type="checkbox"/>	<b>DST-CF4</b>	Driver seat, comfort, suspended, belt in seat	<input type="checkbox"/>	<b>ETSB-FS</b>	Storage on engine tunnel - on front top and storage recessed into tunnel on right hand side
<input type="checkbox"/>	<b>DST-CF5</b>	Driver seat, comfort, suspended, belt in seat, electrically heated	<input type="checkbox"/>	<b>ETSB-R</b>	Storage on engine tunnel - box at rear cab wall
<input type="checkbox"/>	<b>DST-CF6</b>	Driver seat, comfort, suspended, belt in seat, electrically heated, ventilated	<input type="checkbox"/>	<b>ETSB-RS</b>	Storage on engine tunnel - at rear cab wall and storage recessed into tunnel on right hand side
<input type="checkbox"/>	<b>SBD-RED</b>	Red seat belts	<input type="checkbox"/>	<b>ETSB-S</b>	Storage on engine tunnel - recessed into tunnel on right hand side
<input type="checkbox"/>	<b>SBPRE-DS</b>	Driver seat belt pretensioner	<input type="checkbox"/>	<b>RUS-BAS</b>	Rear cab upper storage 154 litres - 300 mm high
<input checked="" type="checkbox"/>	<b>PST-BAS1</b>	Passenger seat - Fixed non suspended fold up with seatbelt mounted in cab	<input type="checkbox"/>	<b>RUS-HIG</b>	Rear cab upper storage 245 litres - 440 mm high
<input type="checkbox"/>	<b>PST-BENC</b>	Bench passenger seat	<input type="checkbox"/>	<b>TABLE</b>	Folding and height adjustable table - on lower bunk
<input type="checkbox"/>	<b>PST-CF4</b>	Passenger seat - Comfort suspended with seatbelt mounted in seat	<input type="checkbox"/>	<b>REF-ICPK</b>	Fridge: engine tunnel mounted preparation kit
<input type="checkbox"/>	<b>PST-CF5</b>	Passenger seat - Comfort suspended & heated with seatbelt mounted in seat	<input type="checkbox"/>	<b>REFR-RUS</b>	Fridge: 28 litre rear upper wall mounted with dividers
<input type="checkbox"/>	<b>PST-STD2</b>	Passenger seat - Fixed non suspended with seatbelt mounted in cab	<input type="checkbox"/>	<b>MICRO-PK</b>	Preparation kit for microwave oven (wiring)
<input type="checkbox"/>	<b>PST-STD4</b>	Passenger seat - Standard suspended with seatbelt mounted in cab	<input type="checkbox"/>	<b>BOTH-D</b>	One bottle holder under dashboard centre section
<input checked="" type="checkbox"/>	<b>Standard Equipment</b>		<input type="checkbox"/>	<b>COFMA-PK</b>	Coffee maker, preparation kit.
<input type="checkbox"/>	<b>Optional Equipment</b>		<input checked="" type="checkbox"/>	<b>INLI-BAS</b>	Interior white LED lights - basic
			<input type="checkbox"/>	<b>INLI-NL</b>	Interior white and red night LED light with no dimmer
			<input type="checkbox"/>	<b>INLI-NLD</b>	Interior white and red night LED light with dimmer
			<input type="checkbox"/>	<b>ARL-FLEX</b>	Two flexible reading lamps (snake lamps)
			<input type="checkbox"/>	<b>RH-ECS</b>	Glass roof & escape hatch - Electrically operated
			<input type="checkbox"/>	<b>RH-EE</b>	Without roof hatch -Tinted glass emergency exit ONLY
			<input type="checkbox"/>	<b>RH-ETR</b>	Glass roof & escape hatch - Electrically operated, tinted glass with rear opening
			<input type="checkbox"/>	<b>RH-MSR</b>	Steel roof & escape hatch - Manually operated with rear opening
			<input type="checkbox"/>	<b>RH-MTR</b>	Glass roof & escape hatch - Manually operated, tinted glass with rear opening
			<input checked="" type="checkbox"/>	<b>URH</b>	Without roof hatch
			<input type="checkbox"/>	<b>SWIND-BS</b>	Extra side window on both sides behind "B" pillar
			<input type="checkbox"/>	<b>SWIND-PS</b>	Rear side window, passenger side

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# MODEL RANGE

## FM 11 8x4 Rigid - High T Ride - N3 Cranked front axle for on road work FM 84F R1HT

<input type="checkbox"/> <b>VANMIR</b>	Vanity mirror in front shelf	<input type="checkbox"/> <b>BEACON-P</b>	Roof beacon wire preparation
<input type="checkbox"/> <b>AS-FUS</b>	Extra shelf in front upper storage compartments	<input type="checkbox"/> <b>BEACONA4</b>	Four roof mounted (2 front/2 rear) amber beacon rotating warning lamps
<input type="checkbox"/> <b>INFOT-PK</b>	Preparation kit for the mounting of a flat screen TV in cab above the driver's door, includes bracket, electrical and speaker connections	<input type="checkbox"/> <b>CABPT-R1</b>	Single outlet for roof mounted accessories
<b>CAB EXTERIOR</b>		<input checked="" type="checkbox"/> <b>CABPT-R2</b>	Twin outlets for roof mounted accessories.
<input type="checkbox"/> <b>PAICS-B</b>	Basic cab paint - mirrors, sunvisor, instep and bumper supplied in natural finish - grey	<input type="checkbox"/> <b>SPOTP-F</b>	Spotlamp preparation in front, max 280W
<input type="checkbox"/> <b>PAICS-C</b>	Complete cab - mirrors, insteps, sunvisor, and bumper finished in cab colour	<input type="checkbox"/> <b>SPOTP-R</b>	Spotlamp preparation on roof, max 280W
<input checked="" type="checkbox"/> <b>GLAS-TIN</b>	Tinted windows.	<input type="checkbox"/> <b>SPOTP-RF</b>	Spotlamp preparation on cab roof and in cab front, max 2x280W
<input type="checkbox"/> <b>AWIND-RF</b>	Rear window	<input type="checkbox"/> <b>ROS-IL2</b>	Preparation kit for illuminated roof sign with switch loose in cab, fit after registration
<input type="checkbox"/> <b>DGLAS-L</b>	Laminated door glass	<input type="checkbox"/> <b>CSGN-GTR</b>	"Globetrotter" headboard logo
<input checked="" type="checkbox"/> <b>LOCK-MAN</b>	Manual door locking	<input checked="" type="checkbox"/> <b>HORN-F1S</b>	Single tone Jericho air horn chassis mounted
<input type="checkbox"/> <b>LOCK-MRP</b>	Manual door locking with internal remote control (from driver side) of passenger door	<input type="checkbox"/> <b>HORN-R2S</b>	Two roof mounted air horns
<input type="checkbox"/> <b>LOCK-REM</b>	Central locking with remote control	<input type="checkbox"/> <b>ANT-CBR</b>	Roof mounted antenna for CB radio, single aerial
<input type="checkbox"/> <b>BUMP-B</b>	Plastic front bumper	<input type="checkbox"/> <b>ACCB-R-AP</b>	Front, middle & rear roof mounted accessory brackets
<input checked="" type="checkbox"/> <b>BUMP-B2</b>	Steel front bumper	<input type="checkbox"/> <b>ACCB-R-F</b>	Front roof mounted accessory bracket
<input type="checkbox"/> <b>BUMP-SP</b>	Front bumper spoiler	<input type="checkbox"/> <b>ACCB-R-FM</b>	Front & middle roof mounted accessory brackets
<input type="checkbox"/> <b>GUARD-EH</b>	Engine guard to protect sump and engine hoses	<input type="checkbox"/> <b>ACCB-R-FR</b>	Front & rear roof mounted accessory brackets
<input checked="" type="checkbox"/> <b>BUGNET</b>	Insect screen in front of radiator	<input type="checkbox"/> <b>ACCB-R-M</b>	Middle roof mounted accessory bracket
<input type="checkbox"/> <b>CTILT-P-E</b>	Electrically operated hydraulic cab tilt	<input type="checkbox"/> <b>ACCB-R-R</b>	Rear roof mounted accessory bracket
<input checked="" type="checkbox"/> <b>CTILT-P-M</b>	Manually operated hydraulic cab tilt	<input type="checkbox"/> <b>ACCB-RM</b>	Rear & middle roof mounted accessory brackets
<input type="checkbox"/> <b>FCABS-A</b>	Front cab suspension - Air	<input type="checkbox"/> <b>REFS-TW</b>	White cab conspicuity markings by packed in cab
<input checked="" type="checkbox"/> <b>FCABS-M</b>	Front cab suspension - Mechanical spring	<input type="checkbox"/> <b>REFS-TY</b>	Yellow cab conspicuity markings by packed in cab
<input type="checkbox"/> <b>RCABS-A</b>	Rear cab suspension - Air	<b>SUPERSTRUCTURE PREPARATIONS</b>	
<input checked="" type="checkbox"/> <b>RCABS-M</b>	Rear cab suspension - Mechanical spring	<input type="checkbox"/> <b>BP-MI02</b>	
<input type="checkbox"/> <b>MIRCOMF2</b>	Electrically heated and operated FMX style main and wide-angle mirror on both sides, with manual passenger kerb mirror. To increase direct vision to the side the main mirrors have no cowlings	<input type="checkbox"/> <b>BP-TI03</b>	
<input type="checkbox"/> <b>MIRCOMFM</b>	Electrically heated and operated main with manual wide-angle mirror - both sides - and passenger kerb mirror	<input type="checkbox"/> <b>SRWL-PK</b>	Wiring preparation for side & rear work/reverse lamps on side of chassis and a three-position switch, maximum 280W
<input type="checkbox"/> <b>MIRSTD2</b>	Electrically heated - FMX - main with wide angle mirror on both sides and kerb view mirror on passenger side, to increase direct vision to the side the main mirrors have no cowlings	<input type="checkbox"/> <b>SWL-2FW</b>	Two H3 70W white front chassis mounted (LH/RH side) working lamps and a 2-position switch (On/Off)
<input checked="" type="checkbox"/> <b>MIRSTDFM</b>	Electrically heated main mirror with wide angle mirror on both sides and kerb view mirror on passenger side	<input type="checkbox"/> <b>SWL-2RW</b>	Two H3 70W white rear chassis mounted (LH/RH side) working lamps and a 2-position switch (On/Off)
<input checked="" type="checkbox"/> <b>AMIR-F20</b>	Auxiliary front view mirror with a 200mm radius	<input type="checkbox"/> <b>SWL-4W</b>	4 H3 70W white front (2) & rear (2) chassis mtd (LH/RH side) working lamps & 2-pos switch (On/Off)
<input type="checkbox"/> <b>SUNV-H</b>	External smoke grey sunvisor	<input type="checkbox"/> <b>SWL-PK</b>	Wiring preparation for side work/reverse lamps on side of chassis and a three-position switch, maximum 280W
<input type="checkbox"/> <b>AD-ROOF</b>	Roof air deflector	<input type="checkbox"/> <b>WLC-H2A</b>	Two H3/70W working lamps with amber coloured lens high mounted back of cab
<input type="checkbox"/> <b>AD-SIDEL</b>	Side air deflector extension panels	<input type="checkbox"/> <b>WLC-H2W</b>	Two H3/70W white working lamps high mounted on the back of cab
<input type="checkbox"/> <b>AD-SIDES</b>	Short cab side air deflector for rigid bodywork	<input type="checkbox"/> <b>WLC-PKCH</b>	Preparation kit (cables and switch) for cab mounted chassis working lamp
<input checked="" type="checkbox"/> <b>HL-BASIC</b>	Halogen H7 head lamps	<input type="checkbox"/> <b>WLC-PKH</b>	Preparation kit, cables and switch for high mounted working lamps back of cab
<input type="checkbox"/> <b>HL-CLEAN</b>	Head lamp cleaner - washer jets	<input type="checkbox"/> <b>WLC-PKL</b>	Preparation kit, cables and switch for low mounted working lamps back of cab
<input type="checkbox"/> <b>HLP-ST</b>	Headlamp protection	<input type="checkbox"/> <b>WLC-PKLH</b>	Preparation kit - cables and switch for low and high mounted working lamps back of cab.
<input checked="" type="checkbox"/> <b>HL-ADJ</b>	Headlight adjustment - Switch in cab	<input type="checkbox"/> <b>ECBB-BAS</b>	Body builder electrical centre without body builder module
<input type="checkbox"/> <b>DRIVL2</b>	Two spot lamps	<input checked="" type="checkbox"/> <b>ECBB-HIG</b>	Body builder electrical centre with body builder module
<input checked="" type="checkbox"/> <b>UDRIVL</b>	Without auxiliary driving lights	<input type="checkbox"/> <b>BBCHAS1</b>	One 7-pole connector for Body builder interface
<input checked="" type="checkbox"/> <b>FOGL-WC</b>	Front fog lights	<input type="checkbox"/> <b>BBCHAS3</b>	Three 7-pole connectors for Body builder interface
<input type="checkbox"/> <b>CL-STAT</b>	Static corner lights	<input type="checkbox"/> <b>BEPR-T2</b>	Body builder electrical software preparation for tipper with remote control
<input type="checkbox"/> <b>ASL-RF2</b>	Two Hella H11 70W spotlamps in sign box - only available with the basic headlight and no lower driving lights. Preparation kit for two spotlamps in sign box	<input type="checkbox"/> <b>EXSTER</b>	External steering control, with VDS and bodybuilder module
<input type="checkbox"/> <b>ASL-RFPK</b>	Preparation kit for two spotlamps in sign box	<input type="checkbox"/> <b>TD-BAS</b>	Trailer detection WITHOUT LED sensing
<input type="checkbox"/> <b>BEACOA2F</b>	Two front roof mounted amber beacon rotating warning lamps	<input checked="" type="checkbox"/> <b>TD-LED</b>	Trailer detection with LED sensing
<input type="checkbox"/> <b>BEACOA2R</b>	Two rear roof mounted (on accessory bracket) amber beacon flashing warning LED lamps	<input type="checkbox"/> <b>FRFS-B5</b>	Frame rail free space on both sides to give space for crane legs or other equipment.
<input checked="" type="checkbox"/> <b>Standard Equipment</b>		<input type="checkbox"/> <b>FBA-BTF</b>	Lower front body attachments for torsionally flexible - platform body
<input type="checkbox"/> <b>Optional Equipment</b>		<input type="checkbox"/> <b>FBA-BTSF</b>	Lower front body attachments for torsionally semi-flexible body - box or curtainsider

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- HBA-FSFB** Holes for body attachments - flexible/semi-flexible body
- HBA-SB** Holes for body attachments - stiff body
- RBA-T2** Lower rear body attachments for helper frame
- CRANEPK1** Crane plates mounted to frame, for cranes up to 10 tonne metre capacity
- CRANEPK2** Crane plates mounted to frame, for cranes up to 20 tonne metre capacity
- CRANEPK4** Crane plates mounted to frame, for cranes up to 40 tonne metre capacity
- AUXL-SPK** Electrical preparation kit - wiring and switch for snow plough lights
- TAILPRE2** Tail lift preparation kit, wireless remote operation
- TAILPREP** Taillift preparation kit - cab switch and warning in driver display
- AESW2** Two Body builder bistable electrical switches (marked AUX1 / AUX2)
- AESW2PK** 2 Body builder bistable el.switches (marked AUX1/AUX2) and prep. for 4 more switches
- AUXSW-4** Wiring for 4 extra switches (from Body builder electrical centre to switch positions)

## DELIVERY SERVICES

- TGW-4GWL** GSM/GPRS/4G modem, LTE & WLAN for telematics gateway
- FMS-PK** Fleet Management System gateway

**VOLVO**

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