

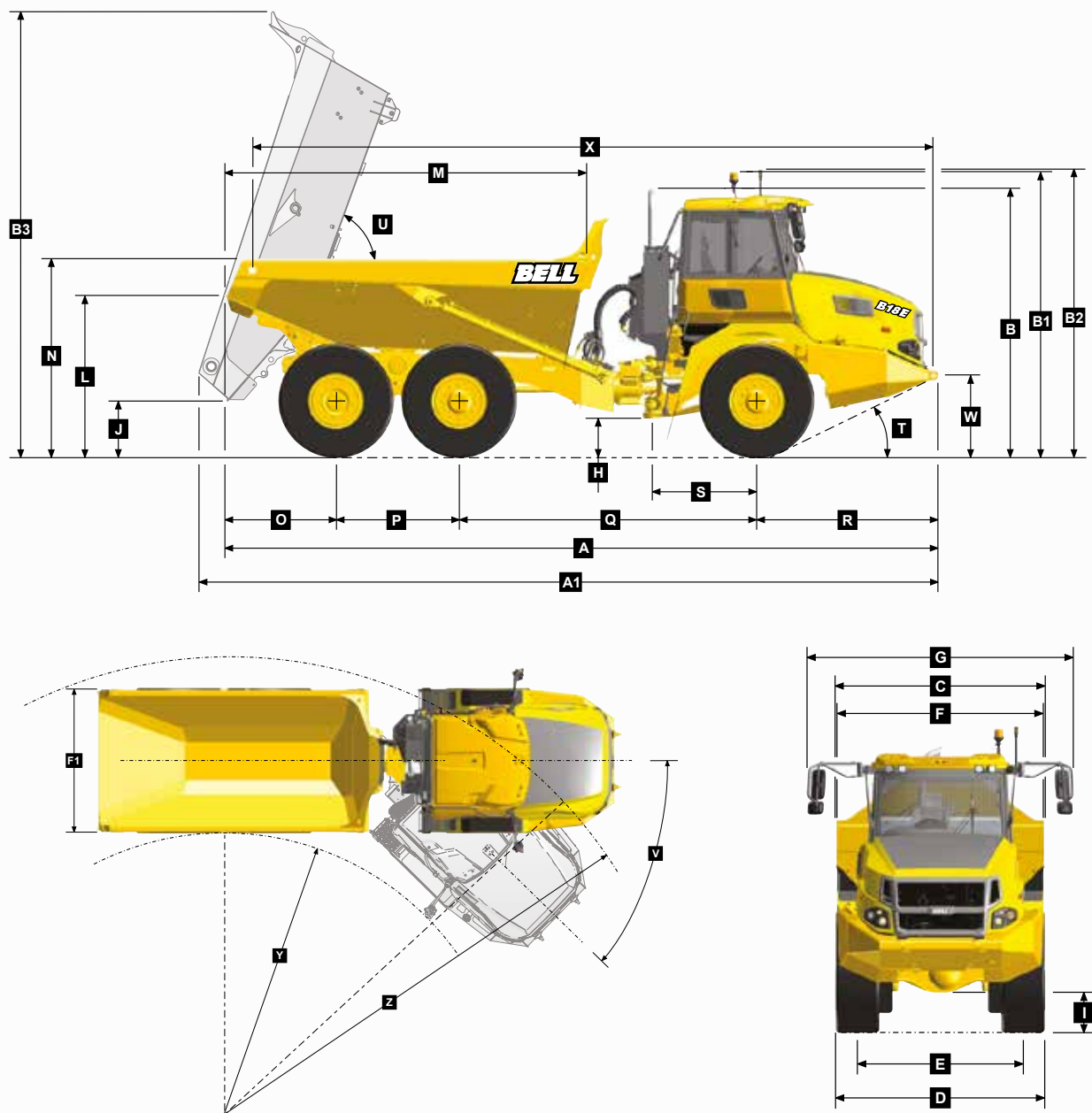
<div>ENGINE</div> <div>Manufacturer Mercedes Benz</div> <div>Model OM924LA</div> <div>Configuration Inline 4, turbocharged and intercooled.</div> <div>Maximum Net Power 163 kW (219 hp) @ 2 200 rpm in accordance with UN ECE R120</div> <div>Gross Torque 810 Nm (597 lbft) @ 1 200 -1 600 rpm</div> <div>Displacement 4,80 litres (293 cu.in)</div> <div>Auxiliary Brake Exhaust Valve Brake Engine Valve Brake</div> <div>Fuel Tank Capacity 195 litres (53 US gal)</div> <div>Certification OM924LA meets Euro III emissions regulations</div>	<div>Torque Control Hydrodynamic with lock-up in all gears</div> <div>TRANSFER CASE</div> <div>Manufacturer Kessler</div> <div>Series W1400</div> <div>Layout Remote mounted</div> <div>Gear Layout Three in-line helical gears</div> <div>Output Differential Interaxle 33/67 proportional differential. Automatic inter-axle differential lock.</div> <div>AXLES</div> <div>Manufacturer Bell</div> <div>Model 15T</div> <div>Differential High input limited slip differential with spiral bevel gears.</div> <div>Final Drive Outboard heavy duty planetary on all axles</div> <div>BRAKING SYSTEM</div> <div>Service Brake Dual circuit, full hydraulic actuation dry disc brakes with 8 calipers.</div> <div>Maximum brake force: 244 kN (54 720 lbf)</div> <div>Park & Emergency Spring applied, air released driveline mounted disc.</div> <div>Maximum brake force: 182 kN (40 802 lbf)</div> <div>Auxiliary Brake Automatic exhaust valve brake and engine valve brake. Optional automatic, adjustable, integral, hydrodynamic transmission retarder. Output shaft speed dependant.</div>	<div>Total Retardation Power Continuous non-retarder: 99 kW (133 hp). Continuous retarder: 144 kW (193 hp). Maximum non-retarder: 99 kW (133 hp). Maximum retarder: 505 kW (677 hp).</div> <div>WHEELS</div> <div>Type Radial Earthmover</div> <div>Tyre 20.5 R 25</div> <div>FRONT SUSPENSION Semi-independent, leading A-frame supported by hydro-pneumatic suspension struts.</div> <div>REAR SUSPENSION Pivoting walking beams with laminated rubber suspension blocks</div> <div>HYDRAULIC SYSTEM Full load sensing system serving the prioritized steering, body tipping and brake functions. A ground-driven, load sensing emergency steering pump is integrated into the main system.</div> <div>Pump Type Variable displacement load sensing piston</div> <div>Flow 202 L/min (53 gal/min)</div> <div>Pressure 310 Bar (4 500 psi)</div> <div>Filter 5 microns</div> <div>STEERING SYSTEM Double-acting cylinders with ground driven emergency steering pump.</div> <div>Lock to lock turns 4,5</div> <div>Steering Angle 45°</div>	<div>DUMPING SYSTEM Two double-acting, single stage, dump cylinders</div> <div>Raise Time 8,5 s</div> <div>Lowering Time 7 s</div> <div>Tipping Angle 70° standard, or any lower angle programmable</div> <div>PNEUMATIC SYSTEM Air drier with heater and integral unloader valve, serving park brake and auxiliary functions.</div> <div>System Pressure 8,1 Bar (117 psi)</div> <div>ELECTRICAL SYSTEM</div> <div>Voltage 24 V</div> <div>Battery Type Two AGM (Absorption Glass Mat) type</div> <div>Battery Capacity 2 X 75 Ah</div> <div>Alternator Rating 28 V 80 A</div> <div>VEHICLE SPEEDS</div> <table><tr><td>1st</td><td>11 km/h</td><td>7 mph</td></tr><tr><td>2nd</td><td>20 km/h</td><td>12 mph</td></tr><tr><td>3rd</td><td>27 km/h</td><td>17 mph</td></tr><tr><td>4th</td><td>38 km/h</td><td>24 mph</td></tr><tr><td>5th</td><td>50 km/h</td><td>31 mph</td></tr><tr><td>6th</td><td>50 km/h</td><td>31 mph</td></tr><tr><td>R</td><td>7 km/h</td><td>4 mph</td></tr></table> <div>CAB ROPS/FOPS certified.</div>	1st	11 km/h	7 mph	2nd	20 km/h	12 mph	3rd	27 km/h	17 mph	4th	38 km/h	24 mph	5th	50 km/h	31 mph	6th	50 km/h	31 mph	R	7 km/h	4 mph
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<div>TRANSMISSION</div> <div>Manufacturer Allison</div> <div>Model Standard Non Retarder: 3000P ORS Optional Retarder: 3000PR ORS</div> <div>Configuration Fully automatic planetary transmission with integral retarder.</div> <div>Layout Engine mounted</div> <div>Gear layout Constant meshing planetary gears, clutch operated</div> <div>Gears 6 Forward, 1 Reverse</div> <div>Clutch Type Hydraulically operated multidisc</div> <div>Control Type Electronic</div>																								

Load Capacity & Ground Pressure

OPERATING WEIGHTS		GROUND PRESSURE		LOAD CAPACITY		OPTION WEIGHTS	
UNLADEN*		LADEN		BODY	m³ (yd³)		kg (lb)
Tare	kg (lb)**	(No sinkage or Total Contact Area)		Struck Capacity	9 (11)	Bin liner	779 (1 718)
Front	7 888 (17 390)	20.5 R 25	kPa (Psi)	SAE 2:1 Capacity	11 (14,4)	Tailgate	633 (1 396)
Middle	4 430 (9 766)	Front	236 (34,2)	SAE 1:1 Capacity	13,5 (17,5)		
Rear	4 084 (9 004)	Middle	310 (45)			EXTRA WHEELSET	
Total	16 402 (36 160)	Rear	310 (45)	Rated Payload	18 000 kg	20.5 R 25	
ISO 6016	kg (lb)***				(39 690 lbs)	(per vehicle) Add	132 (291)
Front	9 688 (21 358)						
Middle	12 420 (27 381)						
Rear	12 294 (27 104)						
Total	34 402 (75 843)						

* Includes additional mass. ** No fuel, no operator. *** Full fuel and operator

Dimensions

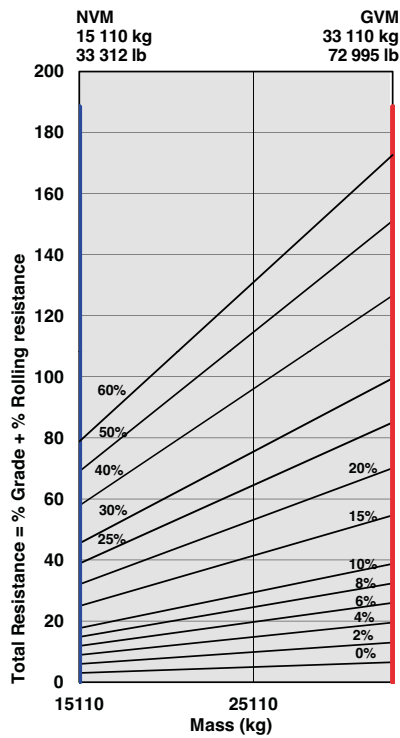
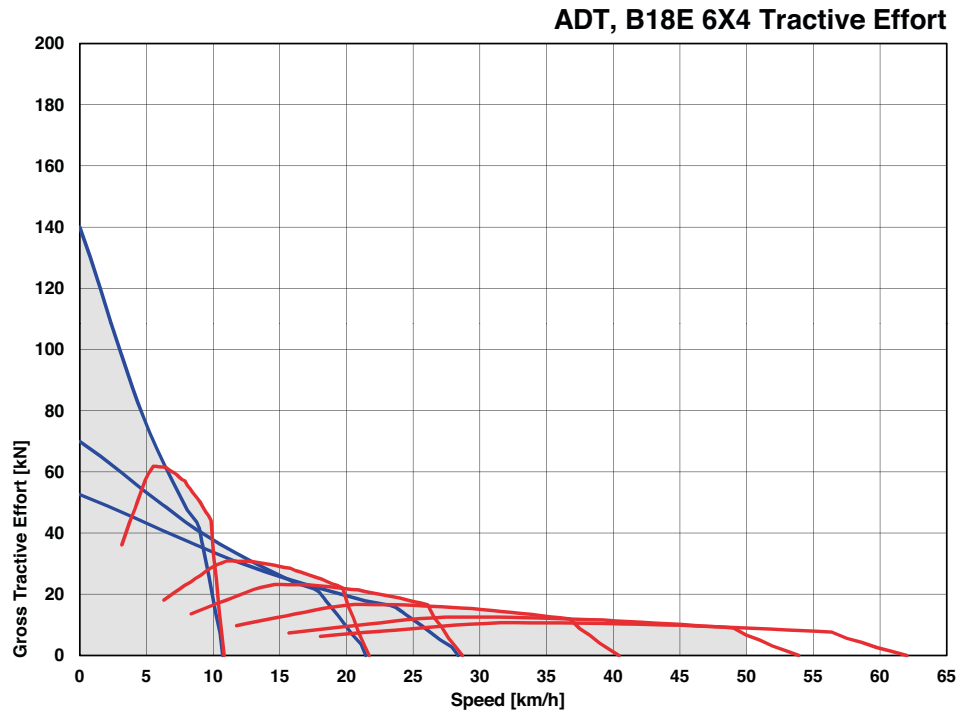


Machine Dimensions

A	Length - Transport Position w/o Tailgate	9 271 mm (30 ft. 5 in.)	L	Bin Lip Height - Transport Position	2 073 mm (6 ft. 10 in.)
A	Length - Transport Position with Tailgate	9 368 mm (30 ft. 9 in.)	M	Bin Length	4 709 mm (15 ft. 5 in.)
A1	Length - Bin Fully Tipped	9 560 mm (31 ft. 4 in.)	N	Load over Height	2 544 mm (8 ft. 4 in.)
B	Height - Transport Position	3 461 mm (11 ft. 4 in.)	O	Rear Axle Centre to Bin Rear	1 449 mm (4 ft. 9 in.)
B1	Height - Rotating Beacon	3 675 mm (12 ft. 1 in.)	P	Mid Axle Centre to Rear Axle Centre	1 600 mm (5 ft. 2 in.)
B2	Height - Load Light	3 701 mm (12 ft. 2 in.)	Q	Mid Axle Centre to Front Axle Centre	3 865 mm (12 ft. 8 in.)
B3	Bin Height - Fully Tipped	5 747 mm (18 ft. 10 in.)	R	Front Axle Centre to Machine Front	2 357 mm (7 ft. 8 in.)
C	Width over Mudguards	2 568 mm (8 ft. 5 in.)	S	Front Axle Centre to Artic Centre	1 361 mm (4 ft. 5 in.)
D	Width over Tyres - 20.5R25	2 550 mm (8 ft. 4 in.)	T	Approach Angle	26°
E	Tyre Track Width - 20.5R25	2 022 mm (6 ft. 7 in.)	U	Maximum Bin Tip Angle	70°
F	Width over Bin	2 540 mm (8 ft. 4 in.)	V	Maximum Articulation Angle	45°
F1	Width over Tailgate	2 838 mm (9 ft. 4 in.)	W	Front Tie Down Height	1 035 mm (3 ft. 5 in.)
G	Width over Mirrors - Operating Position	3 260 mm (10 ft. 8 in.)	X	Machine Lifting Centres	8 845 mm (29 ft.)
H	Ground Clearance - Artic	480 mm (18.90 in.)	Y	Inner Turning Circle Radius - 23.5R25	3 954 mm (12 ft. 11 in.)
I	Ground Clearance - Front Axle	452 mm (17.80 in.)	Z	Outer Turning Circle Radius - 23.5R25	7 309 mm (23 ft. 11 in.)
J	Ground Clearance - Bin Fully Tipped	684 mm (26.93 in.)			

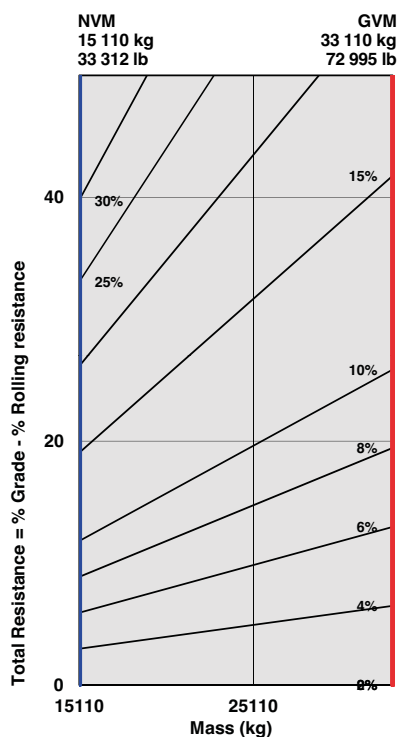
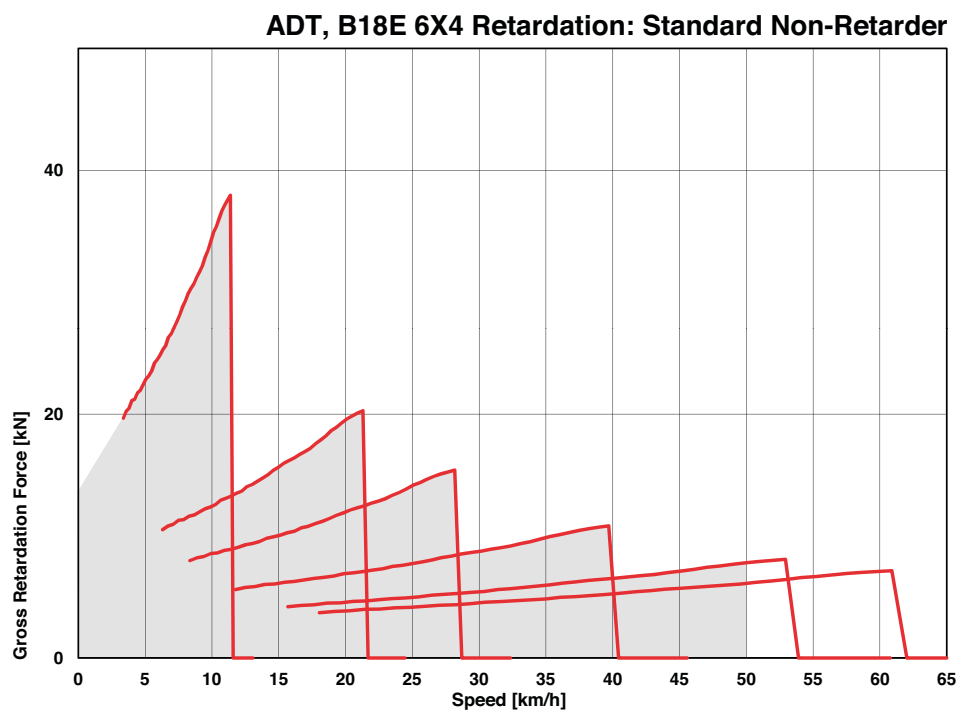
Gradeability/Rimpull

1. Determine tractive resistance by finding intersection of vehicle mass line and grade line. NOTE: 2% typical rolling resistance is already assumed in chart and grade line.
2. From this intersection, move straight right across charts until line intersects rimpull curve.
3. Read down from this point to determine maximum speed attained at that tractive resistance.



Retardation

1. Determine retardation force required by finding intersection of vehicle mass line.
2. From this intersection, move straight right across charts until line intersects the curve. NOTE: 2% typical rolling resistance is already assumed in chart.
3. Read down from this point to determine maximum speed.



B18E	B25E (6x4)	B25E	B30E			B18E	B25E (6x4)	B25E	B30E		
				ENGINE						CAB (continued)	
●	●	●	●	Engine valve brake and exhaust brake		●	▲	▲	▲	High visibility mirrors	
●	●	●	●	Dual element air cleaner with dust ejector valve		●	●	●	●	12-volt power outlet	
●	●	●	●	Precleaner with automatic dust scavenging		▲	▲	▲	▲	Cup holder	
●	●	●	●	Water separator		●	●	●	●	Electric adjustable and heated mirrors	
●	●	●	●	Serpentine drive belt with automatic tensioner		●	●	●	●	Cooled/heated lunch box	
				COOLING						Backlit sealed switch module functions with:	
●	●	●	●	Crankshaft mounted electronically controlled viscous fan drive						Wiper control / Lights / Heated mirrors /	
●	●	●	●	Fan guard						Retarding aggressiveness / Transfer case	
				PNEUMATIC SYSTEM						differential lock / Transmission gear hold /	
●	●	●	●	Engine-mounted compressor		●	●	●	●	Dump-body tip limit / Automatic dump-	
●	●	●	●	Air drier with heater						body tip settings / Airconditioner/Heater	
●	●	●	●	Integral unloader valve						controls / Preselected Speed Control	
				ELECTRICAL SYSTEM						Deluxe 10" colour LCD:	
●	●	●	●	Battery disconnect						Speedometer / Fuel gauge /	
●	●	●	●	Drive lights						Transmission oil temperature gauge /	
●	●	●	●	Air horn						Engine coolant temperature gauge /	
●	●	●	●	Reverse alarm						LED function/warning indicators and	
▲	▲	▲	▲	White noise reverse alarm						audible alarm / Transmission gear selection /	
●	●	●	●	Rotating beacon						Tachometer / Battery voltage / Hour meter /	
●	●	●	●	Pitch Roll sensor						Odometer / Fuel consumption / Tip counter /	
▲	▲	▲	▲	LED Artic reverse light						Trip timer / Trip distance / Metric/English units /	
▲	▲	▲	▲	Halogen Artic reverse light						Service codes/diagnostics	
●	●	●	●	LED reverse light						DUMP BODY	
				STEERING SYSTEM		●	●	●	●	Partial up dump-body mechanical	
▲	▲	▲	▲	Bi-directional ground driven secondary steering pump		▲	▲	●	●	Fully up dump-body mechanical lock	
●	●	●	●	Ground-driven secondary steering pump		▲	▲	▲	▲	Body liner	
				CAB		▲		▲	▲	Tailgate	
●	●	●	●	ROPS/FOPS certification				▲	▲	Body heater	
●	●	●	●	Tilt cab						Less dump body and cylinders	
●	●	●	●	Gas strut-supported door		▲	▲	▲	▲	Greedy boards (200 mm)	
●	●	●	●	I-Tip programmable dump-body tip settings						Triangular bin caps	
●	●	●	●	HVAC Climate control system						OTHER	
●	●	●	●	AM/FM radio with Aux + USB		●	●	●	●	Automatic Traction Control (ATC)	
●	●	●	●	Rear window guard		●		●	●	20.5R25 Radial earthmover tyres	
●	●	●	●	Wiper/washer with intermittent control		▲	▲	▲	▲	23.5R25 Radial earthmover tyres	
▲	▲	▲	▲	Extra wide wiper system						750/65R25 Radial earthmover tyres	
●	●	●	●	Tilt and telescoping steering wheel						Remote grease banks	
●	●	●	●	Centre-mount air-suspension seat		▲	▲	▲	▲	Automatic greasing	
●	●	●	●	Retractable 3-point seat belt		●	●	●	●	Onboard weighing	
●	●	●	●	Foldaway trainer seat with retractable seat belt		▲	▲	▲	▲	Load lights: stack	
▲	▲	▲	▲	Rotating beacon: seat belt installation						Comfort ride suspension (Front)	
●	●	●	●	Halogen work lights		▲	▲	▲	▲	Comfort ride suspension (Rear)	
▲	▲	▲	▲	LED work lights						Reverse camera	
▲	▲	▲	▲	Remote engine and machine isolation		●	●	●	●	HSE hand rails	
●	●	●	●	Remote battery jump start		▲	▲	▲	▲	Cab peak	
						▲	▲	▲	▲	High pressure hydraulic filter	
						●	●	●	●	Fuel heater	
										Belly cover	
						▲	▲	▲	▲	Cross member cover	
						▲	▲	▲	▲	Remote transmission filters	
						▲	▲	▲	▲	Window smash button	
						●	●	●	●	Electronic bonnet opening	
						▲	▲	▲	▲	Engine oil quick drain connector	

*PDS Hardware option