

## VOLVO Test Function List V5.4

manufacturer	vehicle / model number	system/electronic control	diagnosis interface	system information	read code	clear code	read data	actuation test	specific function
		COMP04	Engine	OBD-6&9/VOLVO-8	√	√	√		
			Transmission	OBD-6&9/VOLVO-8	√	√	√		
			Brake	OBD-6&9/VOLVO-8	√	√	√		
			Information Display	OBD-6&9/VOLVO-8	√	√	√		
			Vehicle ECU	OBD-6&9/VOLVO-8	√	√	√		
			Climate unit	OBD-6&9/VOLVO-8	√	√	√		
			Air Suspension	OBD-6&9/VOLVO-8	√	√	√		
			Immobilizer	OBD-6&9/VOLVO-8	√	√	√		
			Tire Pressure Monitoring	OBD-6&9/VOLVO-8	√	√	√		
			Outer Light Control Unit	OBD-6&9/VOLVO-8	√	√	√		
			Retarder ECU	OBD-6&9/VOLVO-8	√	√	√		
			Gearselector	OBD-6&9/VOLVO-8	√	√	√		
			Mobile Communication Unit	OBD-6&9/VOLVO-8	√	√	√		
			Body Builder Module	OBD-6&9/VOLVO-8	√	√	√		
		Steering Wheel Module	OBD-6&9/VOLVO-8	√	√	√			
		FE	Engine	OBD-6&9/VOLVO-8	√	√	√		
			Transmission	OBD-6&9/VOLVO-8	√	√	√		
			Brake	OBD-6&9/VOLVO-8	√	√	√		
			Information Display	OBD-6&9/VOLVO-8	√	√	√		
			Vehicle ECU	OBD-6&9/VOLVO-8	√	√	√		
			Climate unit	OBD-6&9/VOLVO-8	√	√	√		
			Air Suspension	OBD-6&9/VOLVO-8	√	√	√		
			Immobilizer	OBD-6&9/VOLVO-8	√	√	√		
			Tire Pressure Monitoring	OBD-6&9/VOLVO-8	√	√	√		
			Outer Light Control Unit	OBD-6&9/VOLVO-8	√	√	√		
			Retarder ECU	OBD-6&9/VOLVO-8	√	√	√		
Gearselector	OBD-6&9/VOLVO-8		√	√	√				
Mobile Communication Unit	OBD-6&9/VOLVO-8	√	√	√					
Body Builder Module	OBD-6&9/VOLVO-8	√	√	√					

	Steering Wheel Module	OBD-6&9/VOLVO-8	√	√	√	√		
FH	Engine	OBD-6&9/VOLVO-8	√	√	√	√		
	Transmission	OBD-6&9/VOLVO-8	√	√	√	√		
	Brake	OBD-6&9/VOLVO-8	√	√	√	√		
	Information Display	OBD-6&9/VOLVO-8	√	√	√	√		
	Vehicle ECU	OBD-6&9/VOLVO-8	√	√	√	√		
	Climate unit	OBD-6&9/VOLVO-8	√	√	√	√		
	Air Suspension	OBD-6&9/VOLVO-8	√	√	√	√		
	Immobilizer	OBD-6&9/VOLVO-8	√	√	√	√		
	Tire Pressure Monitoring	OBD-6&9/VOLVO-8	√	√	√	√		
	Outer Light Control Unit	OBD-6&9/VOLVO-8	√	√	√	√		
	Retarder ECU	OBD-6&9/VOLVO-8	√	√	√	√		
	Gearselector	OBD-6&9/VOLVO-8	√	√	√	√		
	Mobile Communication Unit	OBD-6&9/VOLVO-8	√	√	√	√		
	Body Builder Module	OBD-6&9/VOLVO-8	√	√	√	√		
	Steering Wheel Module	OBD-6&9/VOLVO-8	√	√	√	√		
FH12	Engine	OBD-6&9/VOLVO-8	√	√	√	√		
	Transmission	OBD-6&9/VOLVO-8	√	√	√	√		
	Brake	OBD-6&9/VOLVO-8	√	√	√	√		
	Information Display	OBD-6&9/VOLVO-8	√	√	√	√		
	Vehicle ECU	OBD-6&9/VOLVO-8	√	√	√	√		
	Climate unit	OBD-6&9/VOLVO-8	√	√	√	√		
	Air Suspension	OBD-6&9/VOLVO-8	√	√	√	√		
	Immobilizer	OBD-6&9/VOLVO-8	√	√	√	√		
	Tire Pressure Monitoring	OBD-6&9/VOLVO-8	√	√	√	√		
	Outer Light Control Unit	OBD-6&9/VOLVO-8	√	√	√	√		
	Retarder ECU	OBD-6&9/VOLVO-8	√	√	√	√		
	Gearselector	OBD-6&9/VOLVO-8	√	√	√	√		
	Mobile Communication Unit	OBD-6&9/VOLVO-8	√	√	√	√		
	Body Builder Module	OBD-6&9/VOLVO-8	√	√	√	√		
	Steering Wheel Module	OBD-6&9/VOLVO-8	√	√	√	√		
	Engine	OBD-6&9/VOLVO-8	√	√	√	√		
	Transmission	OBD-6&9/VOLVO-8	√	√	√	√		
	Brake	OBD-6&9/VOLVO-8	√	√	√	√		

FH16	Information Display	OBD-6&9/VOLVO-8	√	√	√	√		
	Vehicle ECU	OBD-6&9/VOLVO-8	√	√	√	√		
	Climate unit	OBD-6&9/VOLVO-8	√	√	√	√		
	Air Suspension	OBD-6&9/VOLVO-8	√	√	√	√		
	Immobilizer	OBD-6&9/VOLVO-8	√	√	√	√		
	Tire Pressure Monitoring	OBD-6&9/VOLVO-8	√	√	√	√		
	Outer Light Control Unit	OBD-6&9/VOLVO-8	√	√	√	√		
	Retarder ECU	OBD-6&9/VOLVO-8	√	√	√	√		
	Gearselector	OBD-6&9/VOLVO-8	√	√	√	√		
	Mobile Communication Unit	OBD-6&9/VOLVO-8	√	√	√	√		
	Body Builder Module	OBD-6&9/VOLVO-8	√	√	√	√		
	Steering Wheel Module	OBD-6&9/VOLVO-8	√	√	√	√		
FH565	Engine	OBD-6&9/VOLVO-8	√	√	√	√		
	Transmission	OBD-6&9/VOLVO-8	√	√	√	√		
	Brake	OBD-6&9/VOLVO-8	√	√	√	√		
	Information Display	OBD-6&9/VOLVO-8	√	√	√	√		
	Vehicle ECU	OBD-6&9/VOLVO-8	√	√	√	√		
	Climate unit	OBD-6&9/VOLVO-8	√	√	√	√		
	Air Suspension	OBD-6&9/VOLVO-8	√	√	√	√		
	Immobilizer	OBD-6&9/VOLVO-8	√	√	√	√		
	Tire Pressure Monitoring	OBD-6&9/VOLVO-8	√	√	√	√		
	Outer Light Control Unit	OBD-6&9/VOLVO-8	√	√	√	√		
	Retarder ECU	OBD-6&9/VOLVO-8	√	√	√	√		
	Gearselector	OBD-6&9/VOLVO-8	√	√	√	√		
	Mobile Communication Unit	OBD-6&9/VOLVO-8	√	√	√	√		
	Body Builder Module	OBD-6&9/VOLVO-8	√	√	√	√		
Steering Wheel Module	OBD-6&9/VOLVO-8	√	√	√	√			
	Engine	OBD-6&9/VOLVO-8	√	√	√	√		
	Transmission	OBD-6&9/VOLVO-8	√	√	√	√		
	Brake	OBD-6&9/VOLVO-8	√	√	√	√		
	Information Display	OBD-6&9/VOLVO-8	√	√	√	√		
	Vehicle ECU	OBD-6&9/VOLVO-8	√	√	√	√		
	Climate unit	OBD-6&9/VOLVO-8	√	√	√	√		
	Air Suspension	OBD-6&9/VOLVO-8	√	√	√	√		

Truck

FL	Immobilizer	OBD-6&9/VOLVO-8	√	√	√	√		
	Tire Pressure Monitoring	OBD-6&9/VOLVO-8	√	√	√	√		
	Outer Light Control Unit	OBD-6&9/VOLVO-8	√	√	√	√		
	Retarder ECU	OBD-6&9/VOLVO-8	√	√	√	√		
	Gearselector	OBD-6&9/VOLVO-8	√	√	√	√		
	Mobile Communication Unit	OBD-6&9/VOLVO-8	√	√	√	√		
	Body Builder Module	OBD-6&9/VOLVO-8	√	√	√	√		
	Steering Wheel Module	OBD-6&9/VOLVO-8	√	√	√	√		
FM	Engine	OBD-6&9/VOLVO-8	√	√	√	√		
	Transmission	OBD-6&9/VOLVO-8	√	√	√	√		
	Brake	OBD-6&9/VOLVO-8	√	√	√	√		
	Information Display	OBD-6&9/VOLVO-8	√	√	√	√		
	Vehicle ECU	OBD-6&9/VOLVO-8	√	√	√	√		
	Climate unit	OBD-6&9/VOLVO-8	√	√	√	√		
	Air Suspension	OBD-6&9/VOLVO-8	√	√	√	√		
	Immobilizer	OBD-6&9/VOLVO-8	√	√	√	√		
	Tire Pressure Monitoring	OBD-6&9/VOLVO-8	√	√	√	√		
	Outer Light Control Unit	OBD-6&9/VOLVO-8	√	√	√	√		
	Retarder ECU	OBD-6&9/VOLVO-8	√	√	√	√		
	Gearselector	OBD-6&9/VOLVO-8	√	√	√	√		
	Mobile Communication Unit	OBD-6&9/VOLVO-8	√	√	√	√		
	Body Builder Module	OBD-6&9/VOLVO-8	√	√	√	√		
	Steering Wheel Module	OBD-6&9/VOLVO-8	√	√	√	√		
	FM12	Engine	OBD-6&9/VOLVO-8	√	√	√	√	
Transmission		OBD-6&9/VOLVO-8	√	√	√	√		
Brake		OBD-6&9/VOLVO-8	√	√	√	√		
Information Display		OBD-6&9/VOLVO-8	√	√	√	√		
Vehicle ECU		OBD-6&9/VOLVO-8	√	√	√	√		
Climate unit		OBD-6&9/VOLVO-8	√	√	√	√		
Air Suspension		OBD-6&9/VOLVO-8	√	√	√	√		
Immobilizer		OBD-6&9/VOLVO-8	√	√	√	√		
Tire Pressure Monitoring		OBD-6&9/VOLVO-8	√	√	√	√		
Outer Light Control Unit		OBD-6&9/VOLVO-8	√	√	√	√		
Retarder ECU		OBD-6&9/VOLVO-8	√	√	√	√		

	Gearselector	OBD-6&9/VOLVO-8	√	√	√	√		
	Mobile Communication Unit	OBD-6&9/VOLVO-8	√	√	√	√		
	Body Builder Module	OBD-6&9/VOLVO-8	√	√	√	√		
	Steering Wheel Module	OBD-6&9/VOLVO-8	√	√	√	√		
FM9	Engine	OBD-6&9/VOLVO-8	√	√	√	√		
	Transmission	OBD-6&9/VOLVO-8	√	√	√	√		
	Brake	OBD-6&9/VOLVO-8	√	√	√	√		
	Information Display	OBD-6&9/VOLVO-8	√	√	√	√		
	Vehicle ECU	OBD-6&9/VOLVO-8	√	√	√	√		
	Climate unit	OBD-6&9/VOLVO-8	√	√	√	√		
	Air Suspension	OBD-6&9/VOLVO-8	√	√	√	√		
	Immobilizer	OBD-6&9/VOLVO-8	√	√	√	√		
	Tire Pressure Monitoring	OBD-6&9/VOLVO-8	√	√	√	√		
	Outer Light Control Unit	OBD-6&9/VOLVO-8	√	√	√	√		
	Retarder ECU	OBD-6&9/VOLVO-8	√	√	√	√		
	Gearselector	OBD-6&9/VOLVO-8	√	√	√	√		
	Mobile Communication Unit	OBD-6&9/VOLVO-8	√	√	√	√		
	Body Builder Module	OBD-6&9/VOLVO-8	√	√	√	√		
Steering Wheel Module	OBD-6&9/VOLVO-8	√	√	√	√			
NH12	Engine	OBD-6&9/VOLVO-8	√	√	√	√		
	Transmission	OBD-6&9/VOLVO-8	√	√	√	√		
	Brake	OBD-6&9/VOLVO-8	√	√	√	√		
	Information Display	OBD-6&9/VOLVO-8	√	√	√	√		
	Vehicle ECU	OBD-6&9/VOLVO-8	√	√	√	√		
	Climate unit	OBD-6&9/VOLVO-8	√	√	√	√		
	Air Suspension	OBD-6&9/VOLVO-8	√	√	√	√		
	Immobilizer	OBD-6&9/VOLVO-8	√	√	√	√		
	Tire Pressure Monitoring	OBD-6&9/VOLVO-8	√	√	√	√		
	Outer Light Control Unit	OBD-6&9/VOLVO-8	√	√	√	√		
	Retarder ECU	OBD-6&9/VOLVO-8	√	√	√	√		
	Gearselector	OBD-6&9/VOLVO-8	√	√	√	√		
	Mobile Communication Unit	OBD-6&9/VOLVO-8	√	√	√	√		
	Body Builder Module	OBD-6&9/VOLVO-8	√	√	√	√		
Steering Wheel Module	OBD-6&9/VOLVO-8	√	√	√	√			

VHD	Engine	OBD-6&9/VOLVO-8	√	√	√	√		
	Transmission	OBD-6&9/VOLVO-8	√	√	√	√		
	Brake	OBD-6&9/VOLVO-8	√	√	√	√		
	Information Display	OBD-6&9/VOLVO-8	√	√	√	√		
	Vehicle ECU	OBD-6&9/VOLVO-8	√	√	√	√		
	Climate unit	OBD-6&9/VOLVO-8	√	√	√	√		
	Air Suspension	OBD-6&9/VOLVO-8	√	√	√	√		
	Immobilizer	OBD-6&9/VOLVO-8	√	√	√	√		
	Tire Pressure Monitoring	OBD-6&9/VOLVO-8	√	√	√	√		
	Outer Light Control Unit	OBD-6&9/VOLVO-8	√	√	√	√		
	Retarder ECU	OBD-6&9/VOLVO-8	√	√	√	√		
	Gearselector	OBD-6&9/VOLVO-8	√	√	√	√		
	Mobile Communication Unit	OBD-6&9/VOLVO-8	√	√	√	√		
	Body Builder Module	OBD-6&9/VOLVO-8	√	√	√	√		
Steering Wheel Module	OBD-6&9/VOLVO-8	√	√	√	√			
VM	Engine	OBD-6&9/VOLVO-8	√	√	√	√		
	Transmission	OBD-6&9/VOLVO-8	√	√	√	√		
	Brake	OBD-6&9/VOLVO-8	√	√	√	√		
	Information Display	OBD-6&9/VOLVO-8	√	√	√	√		
	Vehicle ECU	OBD-6&9/VOLVO-8	√	√	√	√		
	Climate unit	OBD-6&9/VOLVO-8	√	√	√	√		
	Air Suspension	OBD-6&9/VOLVO-8	√	√	√	√		
	Immobilizer	OBD-6&9/VOLVO-8	√	√	√	√		
	Tire Pressure Monitoring	OBD-6&9/VOLVO-8	√	√	√	√		
	Outer Light Control Unit	OBD-6&9/VOLVO-8	√	√	√	√		
	Retarder ECU	OBD-6&9/VOLVO-8	√	√	√	√		
	Gearselector	OBD-6&9/VOLVO-8	√	√	√	√		
	Mobile Communication Unit	OBD-6&9/VOLVO-8	√	√	√	√		
	Body Builder Module	OBD-6&9/VOLVO-8	√	√	√	√		
Steering Wheel Module	OBD-6&9/VOLVO-8	√	√	√	√			
	Engine	OBD-6&9/VOLVO-8	√	√	√	√		
	Transmission	OBD-6&9/VOLVO-8	√	√	√	√		
	Brake	OBD-6&9/VOLVO-8	√	√	√	√		
	Information Display	OBD-6&9/VOLVO-8	√	√	√	√		

VN	Vehicle ECU	OBD-6&9/VOLVO-8	√	√	√	√		
	Climate unit	OBD-6&9/VOLVO-8	√	√	√	√		
	Air Suspension	OBD-6&9/VOLVO-8	√	√	√	√		
	Immobilizer	OBD-6&9/VOLVO-8	√	√	√	√		
	Tire Pressure Monitoring	OBD-6&9/VOLVO-8	√	√	√	√		
	Outer Light Control Unit	OBD-6&9/VOLVO-8	√	√	√	√		
	Retarder ECU	OBD-6&9/VOLVO-8	√	√	√	√		
	Gearselector	OBD-6&9/VOLVO-8	√	√	√	√		
	Mobile Communication Unit	OBD-6&9/VOLVO-8	√	√	√	√		
	Body Builder Module	OBD-6&9/VOLVO-8	√	√	√	√		
	Steering Wheel Module	OBD-6&9/VOLVO-8	√	√	√	√		
VT	Engine	OBD-6&9/VOLVO-8	√	√	√	√		
	Transmission	OBD-6&9/VOLVO-8	√	√	√	√		
	Brake	OBD-6&9/VOLVO-8	√	√	√	√		
	Information Display	OBD-6&9/VOLVO-8	√	√	√	√		
	Vehicle ECU	OBD-6&9/VOLVO-8	√	√	√	√		
	Climate unit	OBD-6&9/VOLVO-8	√	√	√	√		
	Air Suspension	OBD-6&9/VOLVO-8	√	√	√	√		
	Immobilizer	OBD-6&9/VOLVO-8	√	√	√	√		
	Tire Pressure Monitoring	OBD-6&9/VOLVO-8	√	√	√	√		
	Outer Light Control Unit	OBD-6&9/VOLVO-8	√	√	√	√		
	Retarder ECU	OBD-6&9/VOLVO-8	√	√	√	√		
	Gearselector	OBD-6&9/VOLVO-8	√	√	√	√		
	Mobile Communication Unit	OBD-6&9/VOLVO-8	√	√	√	√		
Body Builder Module	OBD-6&9/VOLVO-8	√	√	√	√			
Steering Wheel Module	OBD-6&9/VOLVO-8	√	√	√	√			
B10B	Engine	OBDII-16/OBD-6&9	√	√	√	√		
	Transmission	OBDII-16/OBD-6&9	√	√	√	√		
	Brake	OBDII-16/OBD-6&9	√	√	√	√		
	Information Display	OBDII-16/OBD-6&9	√	√	√	√		
	Vehicle ECU	OBDII-16/OBD-6&9	√	√	√	√		
	Climate unit	OBDII-16/OBD-6&9	√	√	√	√		
	Air Suspension	OBDII-16/OBD-6&9	√	√	√	√		
	Outer Light Control Unit	OBDII-16/OBD-6&9	√	√	√	√		

	Retarder ECU	OBDII-16/OBD-6&9	√	√	√	√		
	Gearselector ECU	OBDII-16/OBD-6&9	√	√	√	√		
	Body Builder Module	OBDII-16/OBD-6&9	√	√	√	√		
	Steering Wheel Module	OBDII-16/OBD-6&9	√	√	√	√		
B10L	Engine	OBDII-16/OBD-6&9	√	√	√	√		
	Transmission	OBDII-16/OBD-6&9	√	√	√	√		
	Brake	OBDII-16/OBD-6&9	√	√	√	√		
	Information Display	OBDII-16/OBD-6&9	√	√	√	√		
	Vehicle ECU	OBDII-16/OBD-6&9	√	√	√	√		
	Climate unit	OBDII-16/OBD-6&9	√	√	√	√		
	Air Suspension	OBDII-16/OBD-6&9	√	√	√	√		
	Outer Light Control Unit	OBDII-16/OBD-6&9	√	√	√	√		
	Retarder ECU	OBDII-16/OBD-6&9	√	√	√	√		
	Gearselector ECU	OBDII-16/OBD-6&9	√	√	√	√		
	Body Builder Module	OBDII-16/OBD-6&9	√	√	√	√		
	Steering Wheel Module	OBDII-16/OBD-6&9	√	√	√	√		
	B12	Engine	OBDII-16/OBD-6&9	√	√	√	√	
Transmission		OBDII-16/OBD-6&9	√	√	√	√		
Brake		OBDII-16/OBD-6&9	√	√	√	√		
Information Display		OBDII-16/OBD-6&9	√	√	√	√		
Vehicle ECU		OBDII-16/OBD-6&9	√	√	√	√		
Climate unit		OBDII-16/OBD-6&9	√	√	√	√		
Air Suspension		OBDII-16/OBD-6&9	√	√	√	√		
Outer Light Control Unit		OBDII-16/OBD-6&9	√	√	√	√		
Retarder ECU		OBDII-16/OBD-6&9	√	√	√	√		
Gearselector ECU		OBDII-16/OBD-6&9	√	√	√	√		
Body Builder Module		OBDII-16/OBD-6&9	√	√	√	√		
Steering Wheel Module		OBDII-16/OBD-6&9	√	√	√	√		
R12R		Engine	OBDII-16/OBD-6&9	√	√	√	√	
	Transmission	OBDII-16/OBD-6&9	√	√	√	√		
	Brake	OBDII-16/OBD-6&9	√	√	√	√		
	Information Display	OBDII-16/OBD-6&9	√	√	√	√		
	Vehicle ECU	OBDII-16/OBD-6&9	√	√	√	√		
	Climate unit	OBDII-16/OBD-6&9	√	√	√	√		



B12D	Air Suspension	OBDII-16/OBD-6&9	√	√	√	√		
	Outer Light Control Unit	OBDII-16/OBD-6&9	√	√	√	√		
	Retarder ECU	OBDII-16/OBD-6&9	√	√	√	√		
	Gearselector ECU	OBDII-16/OBD-6&9	√	√	√	√		
	Body Builder Module	OBDII-16/OBD-6&9	√	√	√	√		
	Steering Wheel Module	OBDII-16/OBD-6&9	√	√	√	√		
B12M	Engine	OBDII-16/OBD-6&9	√	√	√	√		
	Transmission	OBDII-16/OBD-6&9	√	√	√	√		
	Brake	OBDII-16/OBD-6&9	√	√	√	√		
	Information Display	OBDII-16/OBD-6&9	√	√	√	√		
	Vehicle ECU	OBDII-16/OBD-6&9	√	√	√	√		
	Climate unit	OBDII-16/OBD-6&9	√	√	√	√		
	Air Suspension	OBDII-16/OBD-6&9	√	√	√	√		
	Outer Light Control Unit	OBDII-16/OBD-6&9	√	√	√	√		
	Retarder ECU	OBDII-16/OBD-6&9	√	√	√	√		
	Gearselector ECU	OBDII-16/OBD-6&9	√	√	√	√		
	Body Builder Module	OBDII-16/OBD-6&9	√	√	√	√		
	Steering Wheel Module	OBDII-16/OBD-6&9	√	√	√	√		
B12R	Engine	OBDII-16/OBD-6&9	√	√	√	√		
	Transmission	OBDII-16/OBD-6&9	√	√	√	√		
	Brake	OBDII-16/OBD-6&9	√	√	√	√		
	Information Display	OBDII-16/OBD-6&9	√	√	√	√		
	Vehicle ECU	OBDII-16/OBD-6&9	√	√	√	√		
	Climate unit	OBDII-16/OBD-6&9	√	√	√	√		
	Air Suspension	OBDII-16/OBD-6&9	√	√	√	√		
	Outer Light Control Unit	OBDII-16/OBD-6&9	√	√	√	√		
	Retarder ECU	OBDII-16/OBD-6&9	√	√	√	√		
	Gearselector ECU	OBDII-16/OBD-6&9	√	√	√	√		
	Body Builder Module	OBDII-16/OBD-6&9	√	√	√	√		
	Steering Wheel Module	OBDII-16/OBD-6&9	√	√	√	√		
	Engine	OBDII-16/OBD-6&9	√	√	√	√		
	Transmission	OBDII-16/OBD-6&9	√	√	√	√		
	Brake	OBDII-16/OBD-6&9	√	√	√	√		
	Information Display	OBDII-16/OBD-6&9	√	√	√	√		

**VOLVO**

Bus

B6R	Vehicle ECU	OBDII-16/OBD-6&9	√	√	√	√		
	Climate unit	OBDII-16/OBD-6&9	√	√	√	√		
	Air Suspension	OBDII-16/OBD-6&9	√	√	√	√		
	Outer Light Control Unit	OBDII-16/OBD-6&9	√	√	√	√		
	Retarder ECU	OBDII-16/OBD-6&9	√	√	√	√		
	Gearselector ECU	OBDII-16/OBD-6&9	√	√	√	√		
	Body Builder Module	OBDII-16/OBD-6&9	√	√	√	√		
	Steering Wheel Module	OBDII-16/OBD-6&9	√	√	√	√		
B7L	Engine	OBDII-16/OBD-6&9	√	√	√	√		
	Transmission	OBDII-16/OBD-6&9	√	√	√	√		
	Brake	OBDII-16/OBD-6&9	√	√	√	√		
	Information Display	OBDII-16/OBD-6&9	√	√	√	√		
	Vehicle ECU	OBDII-16/OBD-6&9	√	√	√	√		
	Climate unit	OBDII-16/OBD-6&9	√	√	√	√		
	Air Suspension	OBDII-16/OBD-6&9	√	√	√	√		
	Outer Light Control Unit	OBDII-16/OBD-6&9	√	√	√	√		
	Retarder ECU	OBDII-16/OBD-6&9	√	√	√	√		
	Gearselector ECU	OBDII-16/OBD-6&9	√	√	√	√		
	Body Builder Module	OBDII-16/OBD-6&9	√	√	√	√		
	Steering Wheel Module	OBDII-16/OBD-6&9	√	√	√	√		
B7R	Engine	OBDII-16/OBD-6&9	√	√	√	√		
	Transmission	OBDII-16/OBD-6&9	√	√	√	√		
	Brake	OBDII-16/OBD-6&9	√	√	√	√		
	Information Display	OBDII-16/OBD-6&9	√	√	√	√		
	Vehicle ECU	OBDII-16/OBD-6&9	√	√	√	√		
	Climate unit	OBDII-16/OBD-6&9	√	√	√	√		
	Air Suspension	OBDII-16/OBD-6&9	√	√	√	√		
	Outer Light Control Unit	OBDII-16/OBD-6&9	√	√	√	√		
	Retarder ECU	OBDII-16/OBD-6&9	√	√	√	√		
	Gearselector ECU	OBDII-16/OBD-6&9	√	√	√	√		
	Body Builder Module	OBDII-16/OBD-6&9	√	√	√	√		
	Steering Wheel Module	OBDII-16/OBD-6&9	√	√	√	√		
	Engine	OBDII-16/OBD-6&9	√	√	√	√		
	Transmission	OBDII-16/OBD-6&9	√	√	√	√		

B9L	Brake	OBDII-16/OBD-6&9	√	√	√	√		
	Information Display	OBDII-16/OBD-6&9	√	√	√	√		
	Vehicle ECU	OBDII-16/OBD-6&9	√	√	√	√		
	Climate unit	OBDII-16/OBD-6&9	√	√	√	√		
	Air Suspension	OBDII-16/OBD-6&9	√	√	√	√		
	Outer Light Control Unit	OBDII-16/OBD-6&9	√	√	√	√		
	Retarder ECU	OBDII-16/OBD-6&9	√	√	√	√		
	Gearselector ECU	OBDII-16/OBD-6&9	√	√	√	√		
	Body Builder Module	OBDII-16/OBD-6&9	√	√	√	√		
	Steering Wheel Module	OBDII-16/OBD-6&9	√	√	√	√		
B9R	Engine	OBDII-16/OBD-6&9	√	√	√	√		
	Transmission	OBDII-16/OBD-6&9	√	√	√	√		
	Brake	OBDII-16/OBD-6&9	√	√	√	√		
	Information Display	OBDII-16/OBD-6&9	√	√	√	√		
	Vehicle ECU	OBDII-16/OBD-6&9	√	√	√	√		
	Climate unit	OBDII-16/OBD-6&9	√	√	√	√		
	Air Suspension	OBDII-16/OBD-6&9	√	√	√	√		
	Outer Light Control Unit	OBDII-16/OBD-6&9	√	√	√	√		
	Retarder ECU	OBDII-16/OBD-6&9	√	√	√	√		
	Gearselector ECU	OBDII-16/OBD-6&9	√	√	√	√		
B9S	Body Builder Module	OBDII-16/OBD-6&9	√	√	√	√		
	Steering Wheel Module	OBDII-16/OBD-6&9	√	√	√	√		
	Engine	OBDII-16/OBD-6&9	√	√	√	√		
	Transmission	OBDII-16/OBD-6&9	√	√	√	√		
	Brake	OBDII-16/OBD-6&9	√	√	√	√		
	Information Display	OBDII-16/OBD-6&9	√	√	√	√		
	Vehicle ECU	OBDII-16/OBD-6&9	√	√	√	√		
	Climate unit	OBDII-16/OBD-6&9	√	√	√	√		
	Air Suspension	OBDII-16/OBD-6&9	√	√	√	√		
	Outer Light Control Unit	OBDII-16/OBD-6&9	√	√	√	√		
Retarder ECU	OBDII-16/OBD-6&9	√	√	√	√			
Gearselector ECU	OBDII-16/OBD-6&9	√	√	√	√			
Body Builder Module	OBDII-16/OBD-6&9	√	√	√	√			
Steering Wheel Module	OBDII-16/OBD-6&9	√	√	√	√			

B9TL	Engine	OBDII-16/OBD-6&9	√	√	√	√		
	Transmission	OBDII-16/OBD-6&9	√	√	√	√		
	Brake	OBDII-16/OBD-6&9	√	√	√	√		
	Information Display	OBDII-16/OBD-6&9	√	√	√	√		
	Vehicle ECU	OBDII-16/OBD-6&9	√	√	√	√		
	Climate unit	OBDII-16/OBD-6&9	√	√	√	√		
	Air Suspension	OBDII-16/OBD-6&9	√	√	√	√		
	Outer Light Control Unit	OBDII-16/OBD-6&9	√	√	√	√		
	Retarder ECU	OBDII-16/OBD-6&9	√	√	√	√		
	Gearselector ECU	OBDII-16/OBD-6&9	√	√	√	√		
	Body Builder Module	OBDII-16/OBD-6&9	√	√	√	√		
	Steering Wheel Module	OBDII-16/OBD-6&9	√	√	√	√		
PREVH	Engine	OBDII-16/OBD-6&9	√	√	√	√		
	Transmission	OBDII-16/OBD-6&9	√	√	√	√		
	Brake	OBDII-16/OBD-6&9	√	√	√	√		
	Information Display	OBDII-16/OBD-6&9	√	√	√	√		
	Vehicle ECU	OBDII-16/OBD-6&9	√	√	√	√		
	Climate unit	OBDII-16/OBD-6&9	√	√	√	√		
	Air Suspension	OBDII-16/OBD-6&9	√	√	√	√		
	Outer Light Control Unit	OBDII-16/OBD-6&9	√	√	√	√		
	Retarder ECU	OBDII-16/OBD-6&9	√	√	√	√		
	Gearselector ECU	OBDII-16/OBD-6&9	√	√	√	√		
	Body Builder Module	OBDII-16/OBD-6&9	√	√	√	√		
	Steering Wheel Module	OBDII-16/OBD-6&9	√	√	√	√		
PREVX	Engine	OBDII-16/OBD-6&9	√	√	√	√		
	Transmission	OBDII-16/OBD-6&9	√	√	√	√		
	Brake	OBDII-16/OBD-6&9	√	√	√	√		
	Information Display	OBDII-16/OBD-6&9	√	√	√	√		
	Vehicle ECU	OBDII-16/OBD-6&9	√	√	√	√		
	Climate unit	OBDII-16/OBD-6&9	√	√	√	√		
	Air Suspension	OBDII-16/OBD-6&9	√	√	√	√		
	Outer Light Control Unit	OBDII-16/OBD-6&9	√	√	√	√		
	Retarder ECU	OBDII-16/OBD-6&9	√	√	√	√		
	Gearselector ECU	OBDII-16/OBD-6&9	√	√	√	√		

		Body Builder Module	OBDII-16/OBD-6&9	√	√	√	√		
		Steering Wheel Module	OBDII-16/OBD-6&9	√	√	√	√		
	COMP04	MID 128 Engine ECU	OBD-6&9/VOLVO-8	√	√	√			
		MID 130 Transmission ECU	OBD-6&9/VOLVO-8	√	√	√			
		MID 140 Information display	OBD-6&9/VOLVO-8	√	√	√			
		MID 144 Vehicle ECU	OBD-6&9/VOLVO-8	√	√	√			
		MID 146 Climate unit	OBD-6&9/VOLVO-8	√	√	√			
		MID 249 BBM, body builder module	OBD-6&9/VOLVO-8	√	√	√			
	FE	MID 128 Engine ECU	OBD-6&9/VOLVO-8	√	√	√	√		
		MID 130 Transmission ECU	OBD-6&9/VOLVO-8	√	√	√			
		MID 140 Information display	OBD-6&9/VOLVO-8	√	√	√			
		MID 144 Vehicle ECU	OBD-6&9/VOLVO-8	√	√	√			
		MID 146 Climate unit	OBD-6&9/VOLVO-8	√	√	√	√		
		MID 249 BBM, body builder module	OBD-6&9/VOLVO-8	√	√	√			
	FH	MID 128 Engine ECU	OBD-6&9/VOLVO-8	√	√	√	√		
		MID 130 Transmission ECU	OBD-6&9/VOLVO-8	√	√	√	√		
		MID 140 Information display	OBD-6&9/VOLVO-8	√	√	√	√		
		MID 144 Vehicle ECU	OBD-6&9/VOLVO-8	√	√	√	√		
		MID 146 Climate unit	OBD-6&9/VOLVO-8	√	√	√			
		MID 249 BBM, body builder module	OBD-6&9/VOLVO-8	√	√	√	√		
	FH12	MID 128 Engine ECU	OBD-6&9/VOLVO-8	√	√	√	√		
		MID 130 Transmission ECU	OBD-6&9/VOLVO-8	√	√	√	√		
		MID 140 Information display	OBD-6&9/VOLVO-8	√	√	√	√		
		MID 144 Vehicle ECU	OBD-6&9/VOLVO-8	√	√	√	√		
		MID 146 Climate unit	OBD-6&9/VOLVO-8	√	√	√			
		MID 249 BBM, body builder module	OBD-6&9/VOLVO-8	√	√	√	√		
	FH16	MID 128 Engine ECU	OBD-6&9/VOLVO-8	√	√	√	√		
		MID 130 Transmission ECU	OBD-6&9/VOLVO-8	√	√	√	√		
		MID 140 Information display	OBD-6&9/VOLVO-8	√	√	√	√		
		MID 144 Vehicle ECU	OBD-6&9/VOLVO-8	√	√	√	√		

VERSION2

	MID 146 Climate unit	OBD-6&9/VOLVO-8	√	√	√			
	MID 249 BBM, body builder module	OBD-6&9/VOLVO-8	√	√	√			
FH565	MID 128 Engine ECU	OBD-6&9/VOLVO-8	√	√	√			
	MID 130 Transmission ECU	OBD-6&9/VOLVO-8	√	√	√			
	MID 140 Information display	OBD-6&9/VOLVO-8	√	√	√	√		
	MID 144 Vehicle ECU	OBD-6&9/VOLVO-8	√	√	√			
	MID 146 Climate unit	OBD-6&9/VOLVO-8	√	√	√			
	MID 249 BBM, body builder module	OBD-6&9/VOLVO-8	√	√	√			
FL	MID 128 Engine ECU	OBD-6&9/VOLVO-8	√	√	√	√		
	MID 130 Transmission ECU	OBD-6&9/VOLVO-8	√	√	√			
	MID 140 Information display	OBD-6&9/VOLVO-8	√	√	√			
	MID 144 Vehicle ECU	OBD-6&9/VOLVO-8	√	√	√	√		
	MID 146 Climate unit	OBD-6&9/VOLVO-8	√	√	√			
	MID 249 BBM, body builder module	OBD-6&9/VOLVO-8	√	√	√	√		
FM	MID 128 Engine ECU	OBD-6&9/VOLVO-8	√	√	√	√		
	MID 130 Transmission ECU	OBD-6&9/VOLVO-8	√	√	√	√		
	MID 140 Information display	OBD-6&9/VOLVO-8	√	√	√	√		
	MID 144 Vehicle ECU	OBD-6&9/VOLVO-8	√	√	√	√		
	MID 146 Climate unit	OBD-6&9/VOLVO-8	√	√	√			
	MID 163 Immobilizer	OBD-6&9/VOLVO-8	√	√	√			
	MID 179 FMS Gateway	OBD-6&9/VOLVO-8	√	√	√			
	MID 216 Outer lighting control unit (LCM)	OBD-6&9/VOLVO-8	√	√	√	√		
	MID 220 Tachograph	OBD-6&9/VOLVO-8	√	√	√			
	MID 222 Retarder ECU	OBD-6&9/VOLVO-8	√	√	√	√		
	MID 232 Airbag, control unit	OBD-6&9/VOLVO-8	√	√	√	√		
	MID 233 AdBlue Dosing system control unit (ADS)	OBD-6&9/VOLVO-8	√	√	√	√		
	MID 249 BBM, body builder module	OBD-6&9/VOLVO-8	√	√	√	√		
FM12	MID 128 Engine ECU	OBD-6&9/VOLVO-8	√	√	√	√		

	MID 130 Transmission ECU	OBD-6&9/VOLVO-8	√	√	√	√		
	MID 140 Information display	OBD-6&9/VOLVO-8	√	√	√	√		
	MID 144 Vehicle ECU	OBD-6&9/VOLVO-8	√	√	√	√		
	MID 146 Climate unit	OBD-6&9/VOLVO-8	√	√	√			
	MID 216 Outer lighting control unit (LCM)	OBD-6&9/VOLVO-8	√	√	√			
	MID 249 BBM, body builder module	OBD-6&9/VOLVO-8	√	√	√	√		
FM9	MID 128 Engine ECU	OBD-6&9/VOLVO-8	√	√	√	√		
	MID 130 Transmission ECU	OBD-6&9/VOLVO-8	√	√	√	√		
	MID 140 Information display	OBD-6&9/VOLVO-8	√	√	√	√		
	MID 144 Vehicle ECU	OBD-6&9/VOLVO-8	√	√	√	√		
	MID 146 Climate unit	OBD-6&9/VOLVO-8	√	√	√			
	MID 249 BBM, body builder module	OBD-6&9/VOLVO-8	√	√	√			
NH12	MID 128 Engine ECU	OBD-6&9/VOLVO-8	√	√	√	√		
	MID 130 Transmission ECU	OBD-6&9/VOLVO-8	√	√	√	√		
	MID 140 Information display	OBD-6&9/VOLVO-8	√	√	√	√		
	MID 144 Vehicle ECU	OBD-6&9/VOLVO-8	√	√	√	√		
	MID 146 Climate unit	OBD-6&9/VOLVO-8	√	√	√			
	MID 249 BBM, body builder module	OBD-6&9/VOLVO-8	√	√	√			
VHD	MID 128 Engine ECU	OBD-6&9/VOLVO-8	√	√	√	√		
	MID 130 Transmission ECU	OBD-6&9/VOLVO-8	√	√	√	√		
	MID 140 Information display	OBD-6&9/VOLVO-8	√	√	√	√		
	MID 144 Vehicle ECU	OBD-6&9/VOLVO-8	√	√	√	√		
	MID 146 Climate unit	OBD-6&9/VOLVO-8	√	√	√			
	MID 249 BBM, body builder module	OBD-6&9/VOLVO-8	√	√	√			
VM	MID 128 Engine ECU	OBD-6&9/VOLVO-8	√	√	√	√		
	MID 130 Transmission ECU	OBD-6&9/VOLVO-8	√	√	√			
	MID 140 Information display	OBD-6&9/VOLVO-8	√	√	√			
	MID 144 Vehicle ECU	OBD-6&9/VOLVO-8	√	√	√	√		
	MID 146 Climate unit	OBD-6&9/VOLVO-8	√	√	√			

	MID 249 BBM, body builder module	OBD-6&9/VOLVO-8	√	√	√			
VN	MID 128 Engine ECU	OBD-6&9/VOLVO-8	√	√	√	√		
	MID 130 Transmission ECU	OBD-6&9/VOLVO-8	√	√	√	√		
	MID 140 Information display	OBD-6&9/VOLVO-8	√	√	√	√		
	MID 144 Vehicle ECU	OBD-6&9/VOLVO-8	√	√	√	√		
	MID 146 Climate unit	OBD-6&9/VOLVO-8	√	√	√			
	MID 249 BBM, body builder module	OBD-6&9/VOLVO-8	√	√	√			
VT	MID 128 Engine ECU	OBD-6&9/VOLVO-8	√	√	√	√		
	MID 130 Transmission ECU	OBD-6&9/VOLVO-8	√	√	√	√		
	MID 140 Information display	OBD-6&9/VOLVO-8	√	√	√	√		
	MID 144 Vehicle ECU	OBD-6&9/VOLVO-8	√	√	√	√		
	MID 146 Climate unit	OBD-6&9/VOLVO-8	√	√	√			
	MID 249 BBM, body builder module	OBD-6&9/VOLVO-8	√	√	√			
AC	MID 128 Engine ECU	OBD-6&9/VOLVO-8	√	√	√	√		
	MID 130 Transmission ECU	OBD-6&9/VOLVO-8	√	√	√			
	MID 140 Information display	OBD-6&9/VOLVO-8	√	√	√			
	MID 144 Vehicle ECU	OBD-6&9/VOLVO-8	√	√	√	√		
	MID 146 Climate unit	OBD-6&9/VOLVO-8	√	√	√			
	MID 249 BBM, body builder module	OBD-6&9/VOLVO-8	√	√	√			
FH12	MID 128 Engine ECU	OBD-6&9/VOLVO-8	√	√	√	√		
	MID 130 Transmission ECU	OBD-6&9/VOLVO-8	√	√	√	√		
	MID 140 Information display	OBD-6&9/VOLVO-8	√	√	√			
	MID 144 Vehicle ECU	OBD-6&9/VOLVO-8	√	√	√	√		
	MID 146 Climate unit	OBD-6&9/VOLVO-8	√	√	√			
	MID 249 BBM, body builder module	OBD-6&9/VOLVO-8	√	√	√			
FH16	MID 128 Engine ECU	OBD-6&9/VOLVO-8	√	√	√	√		
	MID 130 Transmission ECU	OBD-6&9/VOLVO-8	√	√	√			
	MID 140 Information display	OBD-6&9/VOLVO-8	√	√	√			
	MID 144 Vehicle ECU	OBD-6&9/VOLVO-8	√	√	√	√		



	MID 146 Climate unit	OBD-6&9/VOLVO-8	√	√	√			
	MID 249 BBM, body builder module	OBD-6&9/VOLVO-8	√	√	√			
FH565	MID 128 Engine ECU	OBD-6&9/VOLVO-8	√	√	√			
	MID 130 Transmission ECU	OBD-6&9/VOLVO-8	√	√	√			
	MID 140 Information display	OBD-6&9/VOLVO-8	√	√	√	√		
	MID 144 Vehicle ECU	OBD-6&9/VOLVO-8	√	√	√			
	MID 146 Climate unit	OBD-6&9/VOLVO-8	√	√	√			
	MID 249 BBM, body builder module	OBD-6&9/VOLVO-8	√	√	√			
FL6	MID 128 Engine ECU	OBD-6&9/VOLVO-8	√	√	√	√		
	MID 130 Transmission ECU	OBD-6&9/VOLVO-8	√	√	√			
	MID 140 Information display	OBD-6&9/VOLVO-8	√	√	√			
	MID 144 Vehicle ECU	OBD-6&9/VOLVO-8	√	√	√	√		
	MID 146 Climate unit	OBD-6&9/VOLVO-8	√	√	√			
	MID 249 BBM, body builder module	OBD-6&9/VOLVO-8	√	√	√			
FM10	MID 128 Engine ECU	OBD-6&9/VOLVO-8	√	√	√	√		
	MID 130 Transmission ECU	OBD-6&9/VOLVO-8	√	√	√	√		
	MID 140 Information display	OBD-6&9/VOLVO-8	√	√	√			
	MID 144 Vehicle ECU	OBD-6&9/VOLVO-8	√	√	√	√		
	MID 146 Climate unit	OBD-6&9/VOLVO-8	√	√	√			
	MID 249 BBM, body builder module	OBD-6&9/VOLVO-8	√	√	√			
FM12	MID 128 Engine ECU	OBD-6&9/VOLVO-8	√	√	√	√		
	MID 130 Transmission ECU	OBD-6&9/VOLVO-8	√	√	√	√		
	MID 140 Information display	OBD-6&9/VOLVO-8	√	√	√			
	MID 144 Vehicle ECU	OBD-6&9/VOLVO-8	√	√	√	√		
	MID 146 Climate unit	OBD-6&9/VOLVO-8	√	√	√			
	MID 249 BBM, body builder module	OBD-6&9/VOLVO-8	√	√	√			
FM7	MID 128 Engine ECU	OBD-6&9/VOLVO-8	√	√	√	√		
	MID 130 Transmission ECU	OBD-6&9/VOLVO-8	√	√	√	√		
	MID 140 Information display	OBD-6&9/VOLVO-8	√	√	√			

Vehicle

vehicle  
electronics'98

	MID 144 Vehicle ECU	OBD-6&9/VOLVO-8	√	√	√	√		
	MID 146 Climate unit	OBD-6&9/VOLVO-8	√	√	√			
	MID 249 BBM, body builder module	OBD-6&9/VOLVO-8	√	√	√			
NH12	MID 128 Engine ECU	OBD-6&9/VOLVO-8	√	√	√	√		
	MID 130 Transmission ECU	OBD-6&9/VOLVO-8	√	√	√			
	MID 140 Information display	OBD-6&9/VOLVO-8	√	√	√			
	MID 144 Vehicle ECU	OBD-6&9/VOLVO-8	√	√	√	√		
	MID 146 Climate unit	OBD-6&9/VOLVO-8	√	√	√			
	MID 249 BBM, body builder module	OBD-6&9/VOLVO-8	√	√	√			
NH525	MID 128 Engine ECU	OBD-6&9/VOLVO-8	√	√	√			
	MID 130 Transmission ECU	OBD-6&9/VOLVO-8	√	√	√			
	MID 140 Information display	OBD-6&9/VOLVO-8	√	√	√			
	MID 144 Vehicle ECU	OBD-6&9/VOLVO-8	√	√	√			
	MID 146 Climate unit	OBD-6&9/VOLVO-8	√	√	√			
	MID 249 BBM, body builder module	OBD-6&9/VOLVO-8	√	√	√			
NH565	MID 128 Engine ECU	OBD-6&9/VOLVO-8	√	√				
	MID 130 Transmission ECU	OBD-6&9/VOLVO-8	√	√				
	MID 140 Information display	OBD-6&9/VOLVO-8	√	√				
	MID 144 Vehicle ECU	OBD-6&9/VOLVO-8	√	√				
	MID 146 Climate unit	OBD-6&9/VOLVO-8	√	√				
	MID 249 BBM, body builder module	OBD-6&9/VOLVO-8	√	√				
VHD	MID 128 Engine ECU	OBD-6&9/VOLVO-8	√	√	√			
	MID 130 Transmission ECU	OBD-6&9/VOLVO-8	√	√				
	MID 140 Information display	OBD-6&9/VOLVO-8	√	√				
	MID 144 Vehicle ECU	OBD-6&9/VOLVO-8	√	√	√			
	MID 146 Climate unit	OBD-6&9/VOLVO-8	√	√				
	MID 249 BBM, body builder module	OBD-6&9/VOLVO-8	√	√				
VN	MID 128 Engine ECU	OBD-6&9/VOLVO-8	√	√	√			
	MID 130 Transmission ECU	OBD-6&9/VOLVO-8	√	√				

	MID 140 Information display	OBD-6&9/VOLVO-8	√	√				
	MID 144 Vehicle ECU	OBD-6&9/VOLVO-8	√	√	√			
	MID 146 Climate unit	OBD-6&9/VOLVO-8	√	√				
	MID 249 BBM, body builder module	OBD-6&9/VOLVO-8	√	√				
WG	MID 128 Engine ECU	OBD-6&9/VOLVO-8	√	√	√			
	MID 130 Transmission ECU	OBD-6&9/VOLVO-8	√	√				
	MID 140 Information display	OBD-6&9/VOLVO-8	√	√				
	MID 144 Vehicle ECU	OBD-6&9/VOLVO-8	√	√	√			
	MID 146 Climate unit	OBD-6&9/VOLVO-8	√	√				
	MID 249 BBM, body builder module	OBD-6&9/VOLVO-8	√	√				
WX	MID 128 Engine ECU	OBD-6&9/VOLVO-8	√	√	√			
	MID 130 Transmission ECU	OBD-6&9/VOLVO-8	√	√				
	MID 140 Information display	OBD-6&9/VOLVO-8	√	√				
	MID 144 Vehicle ECU	OBD-6&9/VOLVO-8	√	√	√			
	MID 146 Climate unit	OBD-6&9/VOLVO-8	√	√				
	MID 249 BBM, body builder module	OBD-6&9/VOLVO-8	√	√				