

## Diagnostic List Paccar\_v5.52

**Remark:**

1. ✓ : means that the system has this function
2. - : means that the system does not have this function
3. compared with the last version, the new added function is marked in red color.

Vehicle menu			Function					
Deutsch connectors	Models	ECU type	Read ECU information	Read fault codes	Erase fault codes	Live data	Actuation test	Special function
9-Pin Deutsch - TYPE I GENERAL Connector	Engine	PMCI	✓	✓	✓	✓	✓	✓
	Engine	PMCI2	✓	✓	✓	✓	✓	✓
	Engine	PCI	✓	✓	✓	✓	✓	✓
	Aftertreatment	EAS-2	✓	✓	✓	✓	✓	✓
	Aftertreatment	EAS-3	✓	✓	✓	✓	✓	✓
9-Pin Deutsch - TYPE II GREEN Connector	Engine	PCI UDS	✓	✓	✓	✓	✓	✓
	Aftertreatment	EAS-4	✓	✓	✓	✓	✓	✓
SAE J1962 OBDII Connector	Engine	PMCI	✓	✓	✓	✓	✓	✓
	Engine	PMCI2	✓	✓	✓	✓	✓	✓
	Engine	PCI	✓	✓	✓	✓	✓	✓
	Engine	PCI UDS	✓	✓	✓	✓	✓	✓
	Aftertreatment	EAS-2	✓	✓	✓	✓	✓	✓
	Aftertreatment	EAS-3	✓	✓	✓	✓	✓	✓
Aftertreatment	EAS-4	✓	✓	✓	✓	✓	✓	
<b>Actuation test &amp; Special Function</b>								
	Actuation test	PMCI	Engine brake MX					
	Actuation test	PMCI	Exhaust brake					
	Actuation test	PMCI	Gas overflow valve					
	Actuation test	PMCI	Fan test					
	Actuation test	PMCI	Engine data logger					
	Actuation test	PMCI	Speed limiting					
	Actuation test	PMCI2	Activate the red engine warning					
	Actuation test	PMCI2	Activate the yellow engine warning					
	Actuation test	PMCI2	Activate the malfunction indicator lamp					
	Actuation test	PMCI2	Activate the ether start valve					
	Actuation test	PMCI2	Activate the BPV actuator					
	Actuation test	PCI	Cut-out the injectors					
	Actuation test	PCI	Check the cylinder compression					
	Actuation test	PCI	Activate the MX Engine Brake					
	Actuation test	PCI	Activate the red engine warning					
	Actuation test	PCI	Activate the yellow engine warning					
	Actuation test	PCI	Activate the Malfunction Indicator Lamp					
	Actuation test	EAS-2	Tank valve heater					
	Actuation test	EAS-2	AdBlue circuit test					
	Actuation test	EAS-2	Air circuit test					

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	Engine	PMCI2	✓	✓	✓	✓	✓	✓
	Engine	PCI	✓	✓	✓	✓	✓	✓
	Aftertreatment	EAS-2	✓	✓	✓	✓	✓	✓
	Aftertreatment	EAS-3	✓	✓	✓	✓	✓	✓
9-Pin Deutsch - TYPE II GREEN Connector	Engine	PCI UDS	✓	✓	✓	✓	✓	✓
	Aftertreatment	EAS-4	✓	✓	✓	✓	✓	✓
SAE J1962 OBDII Connector	Engine	PMCI	✓	✓	✓	✓	✓	✓
	Engine	PMCI2	✓	✓	✓	✓	✓	✓
	Engine	PCI	✓	✓	✓	✓	✓	✓
	Engine	PCI UDS	✓	✓	✓	✓	✓	✓
	Aftertreatment	EAS-2	✓	✓	✓	✓	✓	✓
	Aftertreatment	EAS-3	✓	✓	✓	✓	✓	✓
Aftertreatment	EAS-4	✓	✓	✓	✓	✓	✓	
<b>Actuation test &amp; Special Function</b>								
9-Pin Deutsch - TYPE I GENERAL Connector /SAE J1962 OBDII Connector	Actuation test	EAS-2	Autonomous system check test					
	Actuation test	EAS-2	Dosing module test					
	Actuation test	EAS-3	Regenerate the DPF					
	Actuation test	EAS-3	Activate the air shutoff valve					
	Actuation test	EAS-3	Activate the fuel dosing valve					
	Actuation test	EAS-3	Activate the DEF pipe heaters					
	Actuation test	EAS-3	Activate the DEF pump heater					
	Actuation test	EAS-3	Activate the DEF tank heater valve					
	Actuation test	EAS-3	Activate the DEF reverting valve					
	Special Function	PMCI	Automated cylinder performance test					
	Special Function	PMCI	Compression test					
	Special Function	PMCI	Pump unit codes					
	Special Function	PMCI	Injector codes					
	Special Function	PMCI2	Initialize the Exhaust Gas Recirculation (EGR)					
	Special Function	PMCI2	Initialize the BPV					
	Special Function	PMCI2	Install and calibrate the VTG turbocharger actuator					
	Special Function	PMCI2	Change the pump unit codes					
	Special Function	PMCI2	Change the injector codes					
	Special Function	PMCI2	Clear the snapshot recorder					
	Special Function	PMCI2	Disable Exhaust Gas Recirculation(EGR) derate					

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	Engine	PMCI2	✓	✓	✓	✓	✓	✓
	Engine	PCI	✓	✓	✓	✓	✓	✓
	Aftertreatment	EAS-2	✓	✓	✓	✓	✓	✓
	Aftertreatment	EAS-3	✓	✓	✓	✓	✓	✓
9-Pin Deutsch - TYPE II GREEN Connector	Engine	PCI UDS	✓	✓	✓	✓	✓	✓
	Aftertreatment	EAS-4	✓	✓	✓	✓	✓	✓
SAE J1962 OBDII Connector	Engine	PMCI	✓	✓	✓	✓	✓	✓
	Engine	PMCI2	✓	✓	✓	✓	✓	✓
	Engine	PCI	✓	✓	✓	✓	✓	✓
	Engine	PCI UDS	✓	✓	✓	✓	✓	✓
	Aftertreatment	EAS-2	✓	✓	✓	✓	✓	✓
	Aftertreatment	EAS-3	✓	✓	✓	✓	✓	✓
Aftertreatment	EAS-4	✓	✓	✓	✓	✓	✓	
<b>Actuation test &amp; Special Function</b>								
	Special Function	PMCI2	Clear the fast stop recorder					
	Special Function	PMCI2	Disable Diesel Exhaust Fluid (DEF) derate					
	Special Function	PMCI2	Boost pressure control valve					
	Special Function	PMCI2	Disable Diesel Exhaust Fluid (DEF) torque limitation					
	Special Function	PMCI2	Assess the MX engine brake					
	Special Function	PMCI2	Diagnose the turbo actuator					
	Special Function	PMCI2	Evaluate the turbo actuator functionality					
	Special Function	PCI	Enable or disable the engine idle shutdown timer					
	Special Function	PCI	Install and calibrate the VTG turbocharger actuator					
	Special Function	PCI	Disable the DEF derate					
	Special Function	PCI	Change the injector codes					
	Special Function	PCI	Reset the common rail pressure release valve					
	Special Function	PCI	Read CAL-ID and CVN					
	Special Function	EAS-2	AdBlue filter leakage test					
	Special Function	EAS-3	Reset the soot level					
	Special Function	EAS-3	Install a new DPF					
	Special Function	EAS-3	Install a cleaned DPF					
	Actuation test	PCI	Cut-out the injectors					
	Actuation test	PCI	Check the cylinder compression					
	Actuation test	PCI	Diagnose the turbo actuator					

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	Aftertreatment	EAS-2	✓	✓	✓	✓	✓	✓
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9-Pin Deutsch - TYPE II GREEN Connector	Engine	PCI UDS	✓	✓	✓	✓	✓	✓
	Aftertreatment	EAS-4	✓	✓	✓	✓	✓	✓
SAE J1962 OBDII Connector	Engine	PMCI	✓	✓	✓	✓	✓	✓
	Engine	PMCI2	✓	✓	✓	✓	✓	✓
	Engine	PCI	✓	✓	✓	✓	✓	✓
	Engine	PCI UDS	✓	✓	✓	✓	✓	✓
	Aftertreatment	EAS-2	✓	✓	✓	✓	✓	✓
	Aftertreatment	EAS-3	✓	✓	✓	✓	✓	✓
	Aftertreatment	EAS-4	✓	✓	✓	✓	✓	✓
Actuation test & Special Function								
9-Pin Deutsch - TYPE II GREEN Connector /SAE J1962 OBDII Connector	Actuation test	PCI	Check if the common rail pressure release valve is stuck in closed position					
	Actuation test	PCI	Activate the MX Engine Brake					
	Actuation test	PCI	Activate the red engine warning					
	Actuation test	PCI	Activate the yellow engine warning					
	Actuation test	PCI	Activate the Malfunction Indicator Lamp					
	Actuation test	EAS-4	Regenerate the DPF					
	Actuation test	EAS-4	Activate the mobile regeneration trigger(engineer level)					
	Actuation test	EAS-4	Activate the air shutoff valve					
	Actuation test	EAS-4	Activate the fuel dosing valve					
	Actuation test	EAS-4	Check delivery fuel dosing valve					
	Actuation test	EAS-4	Check leakage fuel dosing valve					
	Actuation test	EAS-4	Check the fuel shutoff valve					
	Actuation test	EAS-4	Check the particulate matter sensor					
	Actuation test	EAS-4	Check the DEF pump module pressure and DEF output					
	Actuation test	EAS-4	Prime the system with the DEF pump					
	Actuation test	EAS-4	Activate the DEF pipe heaters					
	Actuation test	EAS-4	Activate the DEF tank heater valve					
	Special Function	PCI	Enable or disable the engine idle shutdown timer					
	Special Function	PCI	Disable the EGR derate					
	Special Function	PCI	Install and calibrate the VTG turbocharger actuator					

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	Aftertreatment	EAS-4	✓	✓	✓	✓	✓	✓
SAE J1962 OBDII Connector	Engine	PMCI	✓	✓	✓	✓	✓	✓
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	Aftertreatment	EAS-3	✓	✓	✓	✓	✓	✓
Aftertreatment	EAS-4	✓	✓	✓	✓	✓	✓	
<b>Actuation test &amp; Special Function</b>								
	Special Function	PCI	Enable regeneration after aftertreatment system repair					
	Special Function	PCI	Disable the DEF derate					
	Special Function	PCI	Change the injector codes					
	Special Function	PCI	Reset the common rail pressure release valve					
	Special Function	PCI	Read CAL-ID and CVN					
	Special Function	EAS-4	Reset the soot level					
	Special Function	EAS-4	Install a new DPF					
	Special Function	EAS-4	Install a cleaned DPF					