



Engine Controller



DPF Aftertreatment



Transmission Controller



Anti-lock Brakes



Instrument Cluster



Body Controller



Truck Diagnostics and Beyond
Tel: 844-322-7872

F7S-G

Master TabPro



**Bidirectional
Truck and Auto
Wireless Professional
Diagnostic Scan Tool
Android Tablet Kit**

www.fcarusa.com

F7S-G Master TabPro Tablet

The F7SG is a quick and powerful all-in-one wireless Android diagnostic tablet ideal for auto, HD truck and off-road equipment diagnostic professionals, fleet maintenance staff, and road service professionals. All software is preloaded with diagnostic code descriptions, live data, calibration and bidirectional functionality.

Diagnostic functions:

- Scan vehicles and ECU
- Read/clear fault codes
- Display/analyze all sensors live data stream with graphing
- Actuation test

Advanced functions:

- Cylinder cutout
- Injector coding
- DPF regen & reset
- Bidirectional parameters reset and adjustment
- Oil change reset
- Maintenance light reset

Communicates with:

- ✓CAN
- ✓J1587
- ✓J1708
- ✓ISO9141
- ✓J1939
- ✓OBD II
- ✓ISO15765

 **Industrial 10.5" HD Android touch screen**

 **Industrial quality WIFI/Bluetooth**

 **Remote support via TeamViewer**

 **Wireless diagnostics**

 **User friendly interface**

 **Data recording and playback**

 **Diagnostic and vehicle data report to PDF and Excel**

 **Cloud printing**

 **Built-in internet browser and Email capability**

F7S-G Master TabPro | Make & Model - Coverage

F7S-G MasterPro covers heavy & medium-duty OEMs (Class 1 – 8)

BODY & CHASSIS		ENGINES		TRANSMISSIONS		ABS	
• Bluebird	• Mitsubishi Fuso	• CAT	• John Deere	• Allison	• Mack	• Bendix	• Sprinter
• Ford	• Nissan UD	• Cummins	• Mack	• Detroit	• Mitsubishi Fuso	• Ford	• Wabash
• Freightliner	• Peterbilt	• Detroit Diesel	• Mercedes	• Eaton	• Sprinter	• GM	• WABCO
• GM	• Sprinter	• Ford	• Mitsubishi Fuso	• Ford	• Volvo	• Haldex	
• Hino	• Sterling	• GM	• Nissan UD	• GM	• ZF		
• International	• Thomas Built	• Hino	• Perkins	• Hino			
• Isuzu	• Volvo	• International	• Sprinter	• Isuzu			
• Kenworth	• Western Star	• Isuzu	• Volvo				
• Mack							

F7S-G MasterPro covers automotives OEMs

Passenger vehicles (from 1992 to recent)

America		Asia		Europe	
• Buick	• GMC	• Acura	• Mazda	• Abarth	• Opel
• Cadillac	• Lincoln	• Daewood	• Mitsubishi	• Alfa	• Peugeot
• Chevrolet	• Jaguar	• Honda	• Nissan	• Audi	• Porsche
• Chrysler	• Jeep	• Hyundai	• Scion	• Bentley	• Renault
• Dodge	• Pontiac	• Infiniti	• Subaru	• BMW	• SAAB
• Ford	• Saturn	• Isuzu	• Suzuki	• Fiat	• Seat
• GM		• Kia	• Toyota	• Jaguar	• Skoda
		• Lexus		• Land Rover	• Smart
				• Maybach	• Sprinter
				• Mercedes Benz	• Volvo
				• Mini	• VW

INCLUDED OFF-ROAD EQUIPMENT COVERAGE

CUMMINS POWERED		CAT POWERED		DETROIT POWERED	
• Read and clear fault codes • Read freeze frames • Scan and display sensor live data • Actuation tests and calibrations (Cylinder cut off, DPF and reset functions)		• Read and clear fault codes • Read freeze frames • Scan and display sensor live data • Actuation tests and calibrations (Cylinder cut off, DPF and reset functions)		• Read and clear fault codes • Read freeze frames • Scan and display sensor live data • Actuation tests and calibrations (Cylinder cut off, DPF and reset functions)	
HINO POWERED		PERKINS POWERED		VOLVO POWERED	
• Read and clear fault codes • Read freeze frames • Scan and display sensor live data • Actuation tests and calibrations (Cylinder cut off, DPF and reset functions)		• Read and clear fault codes • Read freeze frames • Scan and display sensor live data • Actuation tests and calibrations		• Read and clear fault codes • Read freeze frames • Scan and display sensor live data • Actuation tests and calibrations (Cylinder cut off, DPF and reset functions)	
ISUZU POWERED		HITACHI POWERED		NEW HOLLAND OR JOHN DEERE	
• Read and clear fault codes • Read freeze frames • Scan and display sensor live data • Actuation tests and calibrations		• Read and clear fault codes • Read freeze frames • Scan and display sensor live data		• Read and clear fault codes • Read freeze frames • Scan and display sensor live data • Actuation tests and calibrations (coming soon)	

F7S-G MasterPro | Bi-Directional - Parameter Reset, Tests, and Calibration Functionalities

INCLUDED MEDIUM-DUTY/HEAVY-DUTY TESTS

CUMMINS

- Cylinder cut out
- DPF service forced regen
- Trip reset
- Aftertreatment reset
- Fuel injector reset
- Fuel injector calibration
- VGT hysteresis test
- VGT calibration and installation
- Fuel leakage test
- DEF doser pump override
- Idle shutdown timer reset
- Cruise speed limits and governor setting
- PTO settings
- Transmission setup
- Another 100 more functions available see our Cummins details page

DETROIT & MERCEDES

- Cylinder cut out (auto and manual)
- DPF forced regen
- SCR System - output component test
- SCR ADS self check
- Idle Shutdown enable/disable & time set
- DPF ash accumulator reset
- Road speed limits
- Cruise control speed limits
- PTO setup
- Injector coding
- Fan diagnostic
- FIS low pressure leak test
- Progressive shift
- Inputs and outputs
- More functions on Detroit details page

HINO

- DPR status check
- DPR state reset
- DPR Forced Regeneration
- DPR Differential Pressure Check
- Intake Air Volume Check
- EGR Check
- Fuel Leak Check
- Check Turbocharger
- Total idle time
- Total PTO operations time
- Total engine operations time
- Trip travel distance
- Trip engine operations time
- Trip idle time
- More functions available, see Hino page

INTERNATIONAL

- Cylinder cut out
- DPF service forced regen
- Transmission Setup
- Engine Warn Protection System
- Road Speed limiting/Cruise Control
- PTO setup
- Speedo, Tire, Axle Setup
- Progressive Shift
- Idle Shutdown Timer
- Engine Fan
- Momentary Road Speed Limiting
- Service Interval
- O2 Sensor Calibration
- Injector Quantity Adjustment
- More testing, calibration, reset function see our International functions page

CATERPILLAR

- Maintenance intervals setup
- Injector coding
- Cylinder cutoff
- Vehicle Speed Parameters setup
- Cruise Control Parameters setup
- Idle Parameters(Old PTO)
- Dedicated PTO Parameters setup
- Engine/Gear Parameters setup
- Timer Parameters setup
- Smart Idle Parameters setup
- Engine Monitoring Parameters
- Trip Parameters setup
- System Settings
- Throttle knob engine speed
- *More programming functions available

MITSUBISHI FUSO

- DPF Regeneration(Manual)
- Cylinder Cut Out
- ECU RESET
- Reset Engine oil
- Reset Fuel injector
- Reset Pressure limiting valve in rail
- Reset Rail pressure sensor
- Reset Oxygen sensor
- Reset Hot film mass air flow sensor
- Reset Turbocharger
- Reset BlueTech
- Reset DPF
- Reset Engine oil
- Reset service interval
- More functions available, see Hino page

MACK & VOLVO

- Injector Cut Out
- Cylinder Compression, Test
- Learned Data Reset
- Oil Pressure Test(During Cranking)
- Cylinder Balancing, Test
- Draining Water in the Fuel, Test
- Engine Brake Function, Test
- DPF Service Forced Regen
- Parameter Programming
 - Engine speed/governor/torque limit reset
 - Idle shutdown timer reset
 - Injection control
- More testing, calibration, reset and programming functions available, see Volvo page for more.

ISUZU

- DPD Forced Regeneration
- DPD Regeneration Data Reset
- MAF calibration data service mode
- Clear learned supply pump data
- Reset fuel pump calibration
- Idle speed
- Read all injector coding
- Write injector data
- Compression testing
- Idle RPM comparison
- High voltage test
- Accelerated testing
- Cylinder fuel cut test
- *100 more reset, programming, testing functions available.

JOHN DEERE

- Scan engine
- Read/clear fault codes
- Scan and read all live data from sensors
- DPR Forced Regen (coming soon)
- Cylinder cut off (coming soon)
- More calibration, reset, and programming coming soon

ALLISON

- Read/Erase Fault Codes
- Read Sensor Live Data
- Solenoid Test
- Reset Adaptive Shift Parameters
- Reset Fast Adaptive
- Reset Throttle Calibration
- Lamp Tests
- Reset Auto-Detect
- Reset Auto Detect Retarder
- Reset SEM Auto-Select
- Reset Prognostics Information
- Reset Oil Life Monitor
- Reset Transmission Monitor
- Input parameters modify
- Output parameters modify

BENDIX

- Read ECU Information
- Read Fault Codes
- Erase Fault Codes
- Read Sensor Live Data
- Actuation Test
- Controller Configuration
- Rest ABS Controller
- Dyno Mode

WABCO

- Tractor ABS Diagnosis
- Hydraulic ABS Diagnosis
- Read ECU Information
- Read Fault Codes
- Erase Fault Codes
- Live Data
- Actuation Tests and Calibrations

ZF

- Read ECU Information
- Read Fault Codes
- Erase Fault Codes
- Sensors Live Data
- Actuation Tests and Calibrations

WABASH

- Read ECU Information
- Read Fault Codes
- Erase Fault Codes
- Sensors Live Data
- Actuation Tests and Calibrations

INCLUDED MEDIUM-DUTY FUNCTIONALITY & TESTS**FORD TRUCK**

- Read and clear fault codes
- Read freeze frames
- Read sensor real time live data
- Display emission test results
- Enables support for OBD-II emissions fault data
- Cylinder cut out
- DPF forced regen or reset

GM TRUCK

- Cylinder cut out
- Read and clear fault codes
- Read freeze frames
- Read sensor real time live data
- Display emission test results
- Enables support for OBD-II emissions fault and data
- DPF service regen
- Power balancing

SPRINTER

- Cylinder cut out
- DPF forced regen or reset
- Read and clear fault codes
- Read sensor real time live data
- Display emission test results
- Compression test
- Injector quantity adjustment
- Mass air flow sensor initialization
- Initialize rail pressure
- Instrument cluster tests: Oil change reset, display dimmer test routine, gauge sweep test, LCD display test routine, speaker test routine.

CHRYSLER PICKUP

- Read and clear fault codes
- Read freeze frames
- Read sensor real time live data
- Display emission test results
- Enables support for OBD-II emissions fault data
- Cylinder cut out
- DPF forced regen or reset

NISSAN UD

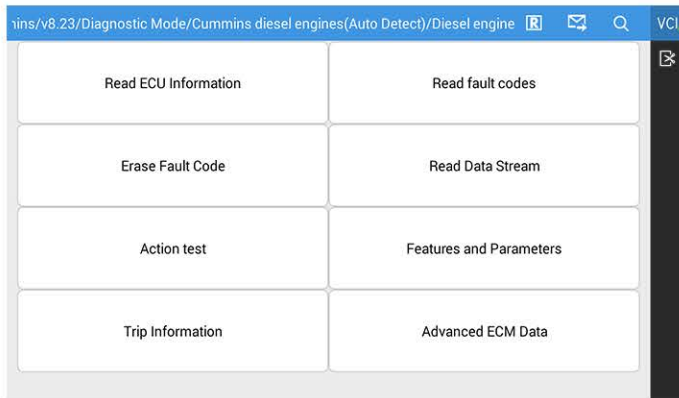
- Cylinder cut out
- Read and clear fault codes
- Read freeze frames
- Read sensor real time live data
- Display emission test results
- Enables support for OBD-II emissions fault and data
- DPF service regen
- Power balancing

RAM TRUCK

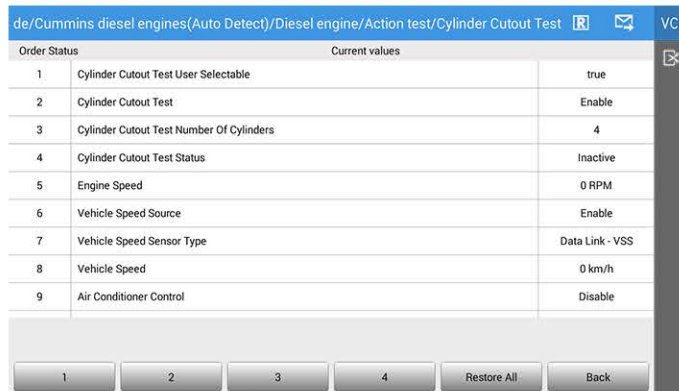
- Cylinder cut out
- DPF forced regen or reset
- Read and clear fault codes
- Read sensor real time live data
- Display emission test results
- Compression test
- Injector quantity adjustment
- Mass air flow sensor initialization
- Tire pressure sensor test



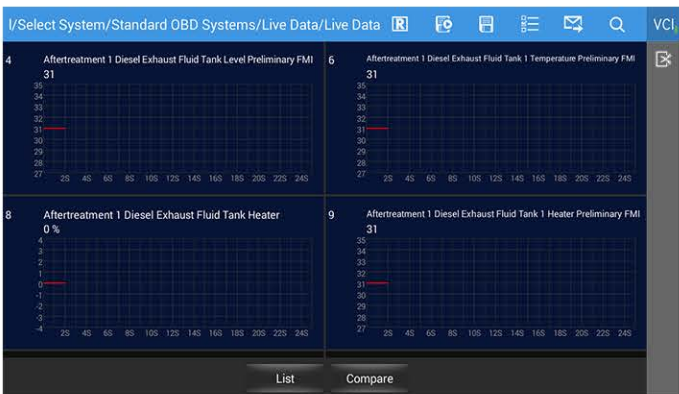
F7S-G Master TabPro Screenshots



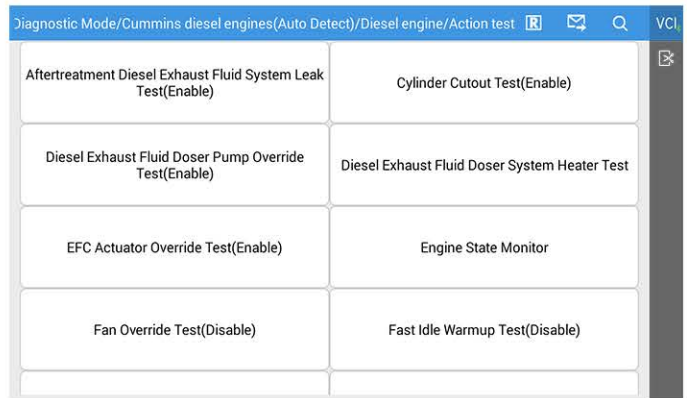
Cummins Main Menu



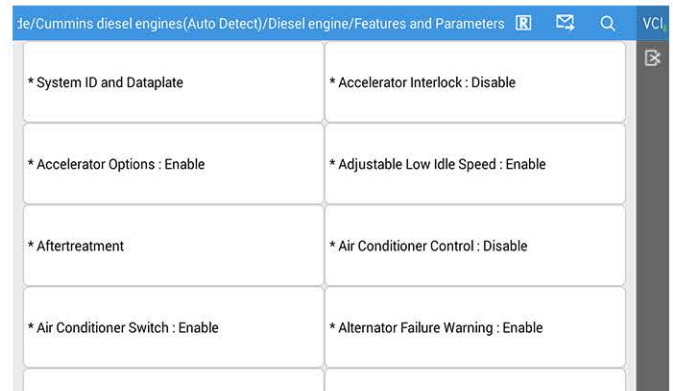
Cummins Cylinder Cutout



Live Data Chart Mode



Cummins Action Tests



Cummins Bi-Directional Functions

The screenshot shows the 'Cummins Duty Cycle Monitor' screen with a table of duty cycle parameters:

Order Status	Current values
1 Duty Cycle Monitor	Enable
2 Peak Torque at RPM	480 N*m
3 Duty Cycle Monitor Short Term Map Number	Monitor Group 1
4 Peak Torque RPM	1200 RPM
5 Advertised Power at RPM	183 kW
6 Advertised Power RPM	2500 RPM
7 Map 1 Total Time	87:07:22
8 Map 2 Total Time	500:00:00
9 Map 1 Start Time	1001:44:32

Buttons at the bottom: F1, F2, F3

Cummins Duty Cycle Monitor

- Auto connect**
Read all systems in seconds
- Scan**
Smart scan all vehicles and electronic control units
- Diagnose**
Quickly diagnose all vehicle systems with live data

- Bidirectional Testing**
DPF regen, cylinder cut out and more
- Modify/Reset Parameter**
ECM reset, service reset, injector reset, DPF/DEF reset, modify governor speed, shutdown timers,

The comprehensive solution you need in a powerful tablet.

F7S-G MasterPro Diagnostic Scanner Kit



F7SG retail package kit

✓ Main handheld unit

✓ Adaptors:

- Self test
- OBD II-16
- Diesel 6/9 (type 1 and type 2)
- Cat 9 machinery
- Volvo 8
- OBD 1 or other adaptors(Isuzu 20, Benz 14, Isuzu 3, Mitsubishi 12+16, Benz 38, BMW 20, Nissan 14, Honda 3, Iveco 38, Kia 20, Hitachi 4, Hitachi 6, Nyundai 10, Daewoo 12)

✓ Cables

- Main cable (DB15) 3 feet
- Battery clip and plug
- USB data cable

✓ Jumper box set

✓ Accessories

- AC power adaptor
- Fuse

✓ Manual/Warranty card

✓ One-year hardware manufacturer's limited warranty and two-year software updates

F7SG Master TabPro Product Details

Shipping weight	35 pounds
Shipping dimension	26"x18"x8"
Shipping region	Within U.S.A.
SKU	USS-017-F7G
UPC	649906330486
Part no	FCAR-017-F7G

FCAR Featured Products

- F506 HD code reader pro
- F3SN Truck Pro
- F3SN Truck Pro School Bus Edition
- F3SG Master Pro
- F7SN Truck TabPro
- F7SG Master TabPro

