



## Snap-on® SOLUS Ultra Scan Tool

### PRODUCT FEATURES

- Hand held portable diagnostic scan tool
- Color graphing scan tool
- Rechargeable battery pack and charger
- Keyless adapter for OBD-II vehicle applications
- Carrying case
- 1-year manufacturer's warranty
- Global OBD vehicle communications 1995 to current
- Domestic vehicle-specific communications for codes, data functional tests, relearns and adaptations for model year 1980 – 2014 vehicles
- Asian Import vehicle-specific communications for codes, data, functional tests, relearns and adaptations for model year 1983 – 2014 vehicles
- Optional European vehicle-specific communications for codes, data, functional tests, relearns and adaptations for model year 1992 – 2013 vehicles
- Fast-Track® Troubleshooter database with over 6.8 million diagnostic tips, tests and timesavers

### DISPLAY DEVICE

- 7 inch, color touchscreen, 800x480 LCD display
- SMX operating system
- Operates through 4-way keypad and Y/N buttons or touchscreen
- User-programmable 'S' button navigation hotkey
- Automatic power-on feature when connected to vehicle
- Internal battery can recharge through vehicle data cable
- Upgradeable software on Micro SD card

### ADVANCED SCAN TOOL DATA ACQUISITION CAPABILITIES

- Selective display of 1, 2 or 4 live data graphs
- Display up to 7 live data points in digital mode
- Record, playback, pause data review
- Display live data parameters concurrently during functional tests
- Display four live data parameters while recording all available data parameters
- PC-interface capability through ShopStream Connect™ to display, save and print scanner results
- User data storage on Micro SD card
- User activated cursors for frame of reference to compare pinpoint data values
- User-selectable PID trigger function

### GLOBAL OBD VEHICLE COMMUNICATION SOFTWARE

- Communicates with 1995-newer OBD compatible vehicles
- Establishes communication with the appropriate vehicle protocol automatically

# SOLUS Ultra® Scan Tool EESC318 BID SPECIFICATION

### ACCESS ALL TEN MODES OF OBD-II

- Mode 1: graphs or displays current data
- Mode 2: retrieves freeze frame data
- Mode 3: monitors diagnostic trouble codes
- Mode 4: reads and clears emissions related data
- Mode 5: oxygen sensor monitoring
- Mode 6: non-continuously monitored systems
- Mode 7: diagnostic trouble codes detected during last drive
- Mode 8: bi-directional controls (where available)
- Mode 9: displays important vehicle information
- Mode 10: permanent codes

### GM VEHICLE COMMUNICATION SOFTWARE 1980 – 2015

- Enhanced OBD-I, OBD-II & Generic OBD-II modes
- Engine/Powertrain, Transmission, ABS, Airbag, Body, Instrument Panel, Vehicle Theft Deterrent, Tire Pressure Monitor, Transfer Case, and Trailer Brake Control system diagnostics, Code Scan, Clear All Codes, Seats, Parking Brake, Steering Angle, Auto-ID
- Object Detection
- Telematics
- Seat Modules
- Rollover Sensor for Safety Systems
- 6.6L Crankshaft Position (CKP) Sensor Test
- Passenger Presence
- Diesel Power Balance Test
- Vehicle Theft Deterrent Codes, Data & Indicator Status
- Radio Systems Codes, Data & Test Including VIN Write
- HVAC Actuator & Door Recalibration
- 6.6L Turbo Tests
- Theft Deterrent, Keyless Entry and Remote Function Actuation
- ABS & Air Bag GM symptom codes
- Brake Pedal Pressure (BPP) Relearn
- Engine Bi-Directional Testing, incl. EVAP Monitor Test and EVAP System Testing, Output Controls, Injector Balance, ICB, IAC, EGR, Crank Pos Relearn
- Particulate Filter Replacement & Fuel Filter Life Reset Function – Diesel engines where applicable
- Transmission Bi-Directional Testing, incl. Solenoid Tests, Trans Shifting and Adaptive Resets
- ABS Diagnostics and Brake Bleeding, incl. Bosch, Delco-Moraine, Teves
- Dash and Rear Integration Modules
- BCM Bi-Directional Testing, incl. Door Locks, Lights, Chimes, Horn, Wipers
- 2004 and newer Key Fob programming
- HVAC codes, data, functional test
- Air Suspension system codes, data, functional test
- TPMS functional test/learn mode
- Steering Position Sensor calibration (some models)

### FORD VEHICLE COMMUNICATION SOFTWARE 1981 – 2014

- Enhanced OBD-I, OBD-II & Generic OBD-II modes
- Engine, Transmission, ABS, Airbag, Occupant Classification, Body/GEM, Instrument Panel, Anti-Theft, Transfer Case, GEM, 4x4 Module, Tire Pressure Monitor, Driver's Door, Driver's Seat, Sliding Door, Liftgate Trunk, Power Running Boards, Lighting Control, Auto Temp Control/HVAC, Navigation, Parking Aid, Electric Power Steering, Battery Control system diagnostics

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## - BID SPECIFICATION -

- PATS Key Programming (CAN Vehicles)
- Battery Monitor
- Crankshaft Position (CKP) Relearn
- Engine Functional Tests
- EVAP
- Code Scan and Clear All Codes
- CAN UDS Auto-ID
- Door and Window Modules
- 6.4L Tests and Turbo PIDs
- 6.7L Diesel Particulate Filter (DPF) Tests
- 6.7L Functional Tests
- 6.4L DPF Manual Regeneration
- Ford/Lincoln Air Suspension Re-calibration
- Engine Bi-Directional Testing, incl. EEC V engine controls, EVAP System Testing, Cold Soak Test, 7.3 Powerstroke Cylinder Contribution
- EGR functional test & Injector power balance 6.0 diesel engines
- Vane Turbo Functional Test 6.0 diesel
- Cylinder Contribution test – includes non-CAN, CAN and UDS vehicles, where applicable
- Transmission Bi-Directional Testing, incl. Transmission Bench and Drive Tests, Gear Command, Adaptive Learning, Trans Table Resets
- ABS Diagnostics, Brake Bleeding and Pump Motor Test, incl. Bosch, Teves, and Kelsey-Hayes
- Air suspension codes, data, functional test

### CHRYSLER VEHICLE COMM SOFTWARE 1983 – 2014

- Enhanced OBD-I, OBD-II & Generic OBD-II modes
- Engine, Transmission, ABS, Airbag, Body, Occupant Classification Module, Central Gateway, Instrument Panel, Transfer Case Diagnostics, HVAC control system diagnostics, Code Scan
- Air Suspension
- BCM Configuration
- Sub Codes
- 6.7L Transmission Quick Learn
- Pinion Factor
- Diesel Exhaust Fluid (DEF) Tests
- HVAC Systems
- Engine Misfire Detection
- Diesel Cylinder Performance Test
- DPF Stationary De-Soot
- NAG Transmission Resets & Initialization
- Engine Bi-Directional Testing, incl. Actuator Tests, Forced EVAP Monitor Test, Set RPM/IAC Test, Purge Vapors Test, EGR System Test, ETC Throttle Follower Test, Misfire Counters, Generator Field, PCM VIN Programming
- Particulate Filter Replacement & Fuel Filter Life Reset Function – Diesel engines where applicable
- Transmission Bi-Directional Testing, incl. EMCC Reset, Quick Learn, Quick learn CAN, Battery Disconnect
- ABS brake bleed coverage, incl. Kelsey-Hayes, Teves, Bendix
- Body ATM Tests, incl. Door Locks, Lights, Chimes, Horn, Wipers, Sunroof and Overhead Module
- HVAC, codes, data, functional test
- TPMS including sensor ID function
- Parktronics (park assist)

### ASIAN VEHICLE COMM SOFTWARE 1983 – 2015

- Enhanced OBD-I, OBD-II & Generic OBD-II modes
- Engine (including Hybrid), Transmission, Airbag & ABS, HVAC, Instrument panel, TPMS, Cruise Control, Code Scan, Clear All Codes, Power Steering and more system diagnostics for the most popular Asian Import vehicle makes:
  - Acura, Daihatsu, Honda, Hyundai, Infiniti, Isuzu, Kia, Lexus, Mazda, Mitsubishi, Nissan, Scion, Subaru, Suzuki, Toyota
- Hyundai/Kia Advanced Safety Systems (Smart Cruise Control, Lane Departure Warning, Blind Spot Detection Systems)
- Mitsubishi Timing Chain Maintenance Functions
- Toyota/Lexus Park Assist System
- Toyota Multiple Freeze Frame
- Mazda Sub Codes
- Nissan/Mazda/Suzuki/Toyota/Kia/Mitsubishi Clear All Codes
- Suzuki Code Scan
- Nissan Electronic Power Steering (EPS)
- Honda Adaptive Cruise, Collision and Lane Module, Blind Spot Info
- Hyundai/Kia Electronic Park Brake
- Toyota Push Start Button
- Toyota Electronic Activated Control (EAC) Mounts
- Toyota/Mazda Auto-ID
- Suzuki 4WD and Power Steering
- Toyota/Lexus/Scion Transmission, Park Brake and Main Body
- Nissan/Infiniti HVAC Codes, Data & Test
- Suzuki HVAC Codes, Data & Test
- Mazda EVAP Test
- Hyundai & Kia Power Intelligent Control System
- Honda Civic and Acura Hybrid Brake
- Suzuki TPMS Systems
- Toyota Air Injection Test
- Mazda ABS Function Tests
- Lexus Air Suspension
- Toyota VIN Writing, Immobilizer System, Engine Memory Reset and Door/Mirror Modules
- Honda & Acura Occupant Detection
- Nissan Intelligent Cruise Control
- Hyundai, Kia and Mitsubishi PCM VIN Write
- Honda/Acura TPMS coverage including tire registration

### DOMESTIC/ASIAN IMPORT DRIVEABILITY FAST-TRACK® TROUBLESHOOTER

General Motors, Ford, Chrysler/Jeep, Acura, Daihatsu, Honda, Hyundai, Infiniti, Isuzu, Kia, Lexus, Mazda, Mitsubishi, Nissan, Subaru, Suzuki Toyota

- Domestic 1980 – 2013
- Asian Imports 1983 – 2013
- Capability to leverage the powerful information in the 10 modes of Global OBD-II
- Troubleshooter procedures that verify a repair is completed and fixed properly

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## - BID SPECIFICATION -

- Exclusive VIN-Specific troubleshooting and systems repair information covering code tips, symptom tips, no-start, driveability symptoms and frequent component failures
- Enhanced OBD-II Fast-Track data scan tips reflect manufacturer-specific enhanced dataStream capabilities
- Service procedures and specifications
- Code set specifications
- Enhanced diesel symptom tips
- Enhanced functional test descriptions

### **DOMESTIC/ASIAN IMPORT TRANSMISSION FAST-TRACK TROUBLESHOOTER**

- Domestic 1981 through 2013 model year
- Asian import 1983 – 2013
- Electronic Controlled Transmission/transaxle coverage
- Technical service bulletins
- Enhanced Fast-Track data scan tips
- Transmission functional test insight

### **DOMESTIC/ASIAN IMPORT ABS, BODY, AIRBAG FAST-TRACK TROUBLESHOOTER**

- Solutions for ABS-related codes through 2011 models
- Symptom-based tips for 2010 models and earlier
- 24 vehicle makes supported

### **STANDARD ACCESSORIES INCLUDED**

- SOLUS Ultra Scanner platform
- Keyless OBD-II Adapter and Data Cable
- USB Cable
- User Manuals on CD
- Protective blow-mold carrying case
- Rechargeable Battery Pack
- AC Power Adapter

### **OPTIONAL ACCESSORIES AND SOFTWARE**

- Domestic and Asian OBD-I Adapter Kit 1 – EAK0301B08A
- Domestic and Asian OBD-I Adapter Kit 2 – EAK0288B04A
- Screen Protectors, 3 Pack – EAC0111L40A3
- European Vehicle Activation/Adapter Kit – EESP318EUA
- Foam Drawer Organizers for KRSC30/31 – SOLUSUFOAM3
- Foam Drawer Organizers for KRSC40/46 – SOLUSUFOAM4

**NOTE:** Scan tool coverage varies by model. Information current as of 9/9/2015. Subject to change without notice.