



All

DATE 4/99

1-100

SERVICE

ADMINISTRATION BULLETIN

New PDU Software – JTP 627/4 and JTP 628/3

MODEL All
VIN

ISSUE:

New PDU software has been released.

- JTP 627/4 replaces 627/3.
JTP 628/3 replaces 628/2.

JTP 627/4 includes updates to previously released software issues and is an interim release of the S-TYPE software. Due to difficulties in obtaining electrical data not all of the diagnostic software is available at this point. Additionally some of the software can only be provided as provisional due to the number of inconsistencies anticipated. The following CD contents list details all of the software that is available on this CD.

JTP 628/3 has been modified to enable the PDU-PC software to handle the new alphanumeric VIN numbers used by the S-TYPE.

Note: When entering a VIN for S-TYPE, you must enter the last 6 characters, not just the last 5 numbers. Without the letter, the PDU will interpret the VIN as an XK8.

CD CONTENTS (VEHICLE APPLICATIONS ONLY)

Vehicle Data Viewer

- XK8 All vehicles (1997 MY onwards)
XJ Series All vehicles (1995 MY onwards)
S-TYPE 2000 MY (PROVISIONAL DATA ONLY)

DTC Monitor

- XK8 All vehicles (1997 MY onwards)
XJ Series All vehicles (1995 MY onwards)
S-TYPE 2000 MY (NO HELPTTEXT AVAILABLE)

DATALOGGER

- XK8 All vehicles (1997 MY onwards)
XJ Series All vehicles (1995 MY onwards)
S-TYPE 2000 MY



OBDII Report

XK8 All vehicles (1997 MY onwards)
XJ Series All vehicles (1995 MY onwards)
S-TYPE 2000 MY

Engine Set-Up

XK8 All vehicles (1997 MY onwards)
XJ Series All vehicles (1995 MY onwards)
S-TYPE NOT REQUIRED

CM Configuration

XK8 All vehicles (1997 MY onwards)
XJ Series All vehicles (1995 MY onwards)
S-TYPE NEW FEATURES (see section 3)

Vibration Analyzer

XK8 All vehicles (1997 MY onwards)
XJ Series All vehicles (1995 MY onwards)
S-TYPE 2000 MY

Guided Diagnostics

XK8 All vehicles (1997 MY onwards)
XJ Series All vehicles (1995 MY onwards)
S-TYPE Diagnose area only on the following systems:
Powertrain
ABS/Traction control/IVD
Adaptive damping
Air bag
Air conditioning
Network communications
Speed control
Driver Information Systems (Audio system, Navigation, Vehicle emergency System, Telephone)
Electric windows
Exterior lights
Gearshift interlock
Immobilization
Instrument pack
Power steering
Security/Locking
Reverse Parking Aid

The above systems are supported with manual checks to the area only. Full down to wire guided diagnostics are not available.

CM CONFIGURATION

The PDU contains configuration software for a significant number of control modules (CM) on the S-TYPE. The following tables provide data on what level of configuration will be required under differing circumstances.

The following CMs will require configuring using the PDU in the case a service replacement is installed.

Control Module	Action required after installing replacement CM	Impact of taking no action
PCM	VID block programming (See 3.1) Security setup (learn PCM ID see 3.2)	No impact on vehicle operation. Will affect future diagnostics. Car won't start
A/CCM	Setup heated windshield/heated wiper park area	Incorrect operation/excessive battery drain
IPK/MCCM	Security setup (learn PCM ID) Teach VIN number Teach keys	Car won't start. No impact on vehicle operation
VECM	Teach VIN number	VECM failed message/no operation
DDM	Teach key fob transmitters	No remote lock/unlock
GECM	Switch VAPS curves	Potential poor steering quality
DSM	Seat sensor calibration (perform seat self test)	No memory operation /DTC set memory fail
SCLM	Security setup (learn PCM ID)	Car won't start
ICE	Learn presence of NCM, VOICE, Telephone, Parking aid and CD autochanger	Depends on options installed, may log false DTCs. If voice is not enabled no menu will appear
ABS/IVD	Sensor calibration	Will operate in fail-safe mode/ will log DTCs/ ABS warning lamp on.

The following control modules will require configuration in the event being fitted as part of an accessory kit.

Control Module	Action required after installation	Impact of no action
Voice activation CM	Set ICE to VOICE installed	Function will not operate
Telephone CM	Set ICE to telephone installed	Function will not operate
PACM	Set ICE to parking aid installed	Function will not operate
NCM	Set ICE to navigation installed	Function will not operate
VECM	Set ICE to vehicle emergency module installed Teach VIN number	Function will not operate VECM failed message/no operation
CD	Set ICE to CD autochanger installed	Function will not operate

The following control module will require configuring in the event of DTCs C1277 and C1278 (steering wheel angle) being cleared.

Control Module	Action required after installation	Impact of no action
ABS/IVD	Sensor calibration	Will operate in fail-safe mode/ will log DTCs/ ABS warning lamp on.

VID BLOCK PROGRAMMING

The Vehicle identification block (VID block) is a section of memory within the powertrain control module used to store data about all of the control module configurations on the vehicle. This data is not used by the vehicle itself, and therefore failure to program the VID block will not affect the vehicle's operation. The VID Block data is used by PDU during its diagnostic and configuration routines to gather data about the vehicle.

PCM ID

The PCM Identifier is a unique code used to synchronize the PCM, Instrument pack and Steering column lock control module. If all three modules are not synchronized then the vehicle will not start.

NEW WARNING MESSAGE

A new general warning message has been added to the start of all diagnostic routines. This message will appear whenever the PDU is switched on or the diagnostic application is reloaded from the base station. Specific warning messages will still be provided within the diagnostic routines when required.

DIAGNOSIS OF CONTINUOUS CRANKING PROBLEMS

The starter test routine for S-TYPE provides diagnostic procedures for continuous cranking problems. Unlike the majority of other applications this routine assumes that the vehicle is not continuously cranking at the time the test starts. The test will operate correctly with either of the following two conditions applied.

- Starter relay removed
- Battery supply strap to the starter motor removed

ACTION:

Ensure that this software is installed immediately. Retain the previous issues in a secure place as a backup CD-ROM in the event the new software is damaged.

Use JTP 627/4 for diagnosing 1995-97 MY Sedan Range, 1997-ON MY XK8, 1998-ON MY V8 XJ Series and 2000 MY S-TYPE.

Note: When entering a VIN for S-TYPE, you **must** enter the last 6 characters, not just the last 5 numbers. Without the letter, the PDU will interpret the VIN as an XK8.