Digital Wrench Setup and Installation

Dealer

RAPID CARE

Dealer

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Overview

Welcome to AriensCo Digital Wrench Setup and Instillation.

Digital Wrench is used by Dealers to diagnose and repair JSV units. This training is to provide instruction to setup and install Digital Wrench on a PC/laptop.

Current Vehicle Software License

Prerequisites

- You will need to have Windows 7 or greater installed on the laptop you will be using.
- Have the Digital Wrench Diagnostic Kit available
 - **Dealers** -Will receive this kit when they sign up to become a JVS dealer. Existing JSV dealers should already have this. IF you do not, you can order it from AriensCo. The part number is in the chart below (part# 21900617).

All Current Ver	nicles	
Part Number	Description	Notes
21900617	Digital Wrench Diagnostic Kit	Software License (21900607), USB-Serial Adapter
		Cable (21900606), SmartLink Kit (21900590)
21900607*	Software Registration Card	Serial number needed to register the software
21900606*	USB to Serial Adapter Cable	Must use this model, other USB to serial converters
		may not work
21900590*	SmartLink Module Kit	SmartLink Module, CAN Interface Cable and Serial
		Cable

*Included in Digital Wrench Diagnostic Kit

Software Registration Card

• Software registration card is provided in the in Digital Wrench Diagnostic Kit dealers receive when they sign up for JSVs.

Serial Numbers

• Each dealer will get one Serial Number. This is good for installing 3 copies of the PC/laptop Digital Wrench software.

Step 1: Download the Digital Wrench Software

- This is located on the Extranet. Login to the Dealer Extranet using your dealer number • and password.
- Locate the JSV icon on the home screen.
 - Click the JSV icon to continue to the next page.



o Click on "Download Software Digital Wrench".

Digital Wrench Download & Authorization Download Softwave Digital Wrench. Reflash Authorization DSA Diagnostic Systems Associates	
• Install the software by clicking "Run".	
Do you want to run or save GDW_Setup.exe (35.6 MB) from gravely.diagsys.com ?	Run Save Cancel

- Select "Yes" to the prompt "Do you want to allow this app to make changes to your • device
- Select "Next" on the Gravely Digital Wrench prompt •
- Select "I Accept" to the license Agreement and Select NEXT •
- Select "Install" •

- Select "Finish" for completing the Digital Wrench program install. •
 - o A Gravely Digital Wrench icon will display on the desktop



- The first time opening the software you will be asked for the 10-digit Product Key from the software registration card.
 - Reference the software registration card that is provided in the in Digital Wrench Diagnostic Kit.
- Click OK once you type in your 10-digit serial number.

B	×
A Product Key to Please Enter	/ (Serial Number) is required use this software. your 10-digit Product Key below.
123	4567890
	ок

- You will have 30 days to register your software.
 - The program will tell you that "You have 29 days(s) left in the trial period". That means you have 29 days left to fill out your registration for the software license you entered. If you do not fill out the registration, you will have to register again with a new serial number.
 - Click "OK".

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 Note: If you do not register your software license or the software license number is lost, a replacement license must be purchased at the dealer's expense.



- The next step for registering would be to click the "Click Here to Register via the Internet" link at the bottom of the page.
 - You do not need to copy the license ID or add a Feature/Registration Code.



- On the next screen, fill in all required information for registering that is marked with a red asterisk.
 - The Software License ID will automatically be filled in.

	Please supply the requested information to register your copy of the Digital Wrench software. Click the Register button after all the required information has been entered. DSA respects your <u>privacy</u> .
Name:*	Name
Company:*	AriensCo
Dealer Number:	
Address:*	220 N Parkway Drive
Address:	
City:*	Brillion
State/Province:*	WI Country.* US
Zip/Postal Code:*	54110
Phone Number:	
E-Mail Address:	
Software License ID:*	8DC5F - E879C - 29FC3 - CBF12 Register
	* Indicates Required Fieldno">

- Click "Register" when you are done.
- To complete the registration, click on the "Click Here" link on the next screen.

IMPORTANT
You are not done yet. You MUST either:
Click Here to complete the registration process automatically
OR
 Write down your Registration Code: B4E-4E9DE-27BEC-88612[*] Enter the Registration Code into the Digital Wrench Software to enable continuted usage
If you are having any problems, refer to the <u>Registration Video</u> .
* Make note that the registration code only contains the digits 0-9 and the letters A-F.

Step 2: Connect the Smart Link Module to the computer

- Connect the Smart Link to your computer using the USB to Serial Converter. Plug the USB into your computer port (also called a com port).
 - This is located with the Digital Wrench Diagnostic Kit.

Make sure to always use the same computer port. Part of the setup/install process is to select the computer port you will be using. If you do not plug into the same port, the program will not be able to detect that you are connected.

Smart Link device



Chose a com port to use for this device and connect your USB cable.

- The device connection will automatically be recognized and install the necessary drivers.
 - You will not see anything happening on the computer while this is taking place.
 - Continue to the Com Port Configuration.

Step 3: Com Port Configuration

Exit Digital Wrench by clicking the open door icon on the bottom right of the screen. •



- Go to the Start Menu from your computer desktop. •
- Click in the search bar and type "Device Manager". •
- Click on "Device Manager" in the search results.

≡	All	Apps	Documents	Settings	Photos	More 🗸	Feedback	
ል	Best n	natch						
	S al	Device I Control p	Manager anel		\rightarrow			
						Device Manager Control panel		
						🗂 Open		
8								
	۶c	Device Ma	nager 🦊					

- Click on the triangle next to "Ports (Com & LPT)" to open the sub menu.
- Double click on the "USB Serial Port (COM#)".



- Record the Com Port Number to be used in a later step.
 - For this example it is "COM3".
- Click on the "Port Settings" tab and Match the parameters to the following screenshot:

General	Port Settings	Driver	Details	Events	
		Bits p	er second	9600	~
			Data bits	: 8	~
			Parity	None	~
			Stop bits	1	~
		Flo	ow control	None	*
			Ad	lvanced	Restore Defaults

- Click the "Advanced" button.
- Match the settings to the following screenshot.
 - Note: Any COM port #1-6 may be used. Using a COM port number above 6 may cause connectivity issues.

vanced Settings for COM3			?	
COM Port Number:	COM3	~	ОК	
USB Transfer Sizes			Cancel	_
Select lower settings to corre	ct performance problems at low	baud rates.	Default	_
Select higher settings for fas	ter performance.		Defaults	
Receive (Bytes):	64 ~			
Transmit (Bytes):	64 ~			
BM Options		Miscellaneous Options		
Select lower settings to corre	ct response problems.	Serial Enumerator		
		Serial Printer		
Latency Timer (msec):	1 ~	Cancel If Power Off		
		Event On Surprise Removal		
Timeouts		Set RTS On Close		
Minimum Dood Timoout (moo	A.	Disable Modem Ctrl At Startup		
minimum Read Timeout (msec	0 ~	Enable Selective Suspend		
Minimum Write Timeout (mse	:): 0 ~	Selective Suspend Idle Timeout (secs):	5	~

- Click "OK" on the Advanced Settings screen.
- Click "OK" on the USB Serial Port Properties screen.

Step 4: Open the Digital Wrench Program

- Double click on the Digital Wrench icon on your desktop to open the program.
- Click on the Wrench & Screwdriver icon to open the settings menu to access the System Configuration page.



- Set the appropriate COM Port from the drop-down menu to match the COM port that was set above.
 - For this example we select COM3.
- Make sure Auto-Updates is turned on by clicking on the Auto-Update button. Turning this feature on will keep the program information up to date (i.e. wiring diagrams, error codes etc.).

G GRAVELY					
Language	Workshop Information				
English (US) -	Company Name				
Units of Measure	Dealer Number				
US Metric	Address				
COM Port					
СОМЗ					
Debug Logging	Help Balloons	Serial Numbers			
Start Stop	Auto-Updates	ely 5000318018			
		Program Version 0.9.2			
Status Connection Not Est	ablished				

• Select the "Smart Link Module" button to see the Smart Link Module screen.

• From that screen, turn Smart Link Auto Update on (it will turn green). Turning this feature on will keep the Smart Link device up to date.

🦲 System Configurati	ion				G GRAVELY
SmartLink Hardware Information Serial Number Hardware Version Bootloader Version Manufacture Date Device Type	0	SmartLink Applicatio Software \ Software E Applicatio	Software Inf n Number /ersion 3uild Date n Name	formation—	
Update SmartLink Software			SmartLink	Auto Update	
				Se	lect File
				Reprogr	am SmartLink
Program Configuration	SmartLink Modu	le			
2019 Atlas JSV EFI Gas Status Connection Not Established			× –	?	

The setup is now complete.

• Connect to a vehicle to verify proper operation.

Change Record

Date	Author	Version	Change Details
3/6/2020	Lynnette Farvour	2	Update to Original