

THE DIESEL DUDES



BDX Tuner Programmer Installation

BEFORE INSTALLATION PLEASE READ

PLEASE USE AT YOUR OWN RISK

These devices are used for OFF ROAD VEHICLES ONLY

Required Parts

Item	Description	Use
<p>1</p> 	BDX Device (Tuner)	This device is the tuner which holds the tunes and required software
<p>2</p> 	Micro USB Cable	Cable used to connect BDX Device (Tuner) to Computer
<p>3</p> 	OBD II CABLE	Cable used to connect BDX Device (Tuner) to Vehicle

Tips Before Install

- Read this document carefully, follow the instructions step-by-step.
- Have a fully charged battery & a battery charger connected to your vehicle
- Have ALL doors closed while loading the BDX tune to your vehicle
- Confused on start-up? Send us an email support@thedieseldudes.com (Our business times are 10:30AM-6:30PM EST Monday-Friday)

Step 1: Plug BDX Tuner Into the Truck

Use the OBD II CABLE and connect the BDX tuner into the truck



Step 2: Update Tuner (Only if you get an Error Code)

You only need to do this step if you get an error message on your device such as:

- Part number not found
- Unrecognized vehicle
- General error message

If these messages appear on your BDX device, do not worry. You just need to UPDATE the BDX. The Update instructions are below. follow the next instructions on how to update your BDX Tuner Device. *If none of these occur, skip step 2 and continue with step 3.*

Step 2: Update Tuner (Only if you get an Error Code)

The Most common Error message is : **General Error 110B8.**

If you get this Error code, please do the following:

1) Check this link,

Double check everything on this is correct. If the error persists, move to step (2)

<https://derivesystems.helpjuice.com/138614-troubleshooting/110b8-general-error-during-upload-on-a-sct-bdx-tuner>

(2) UPDATE THE DEVICE

This is most likely the fix to your issue, take a look at page 7. Update the device and try again. If the error persists contact us.

Step 2.1 Identify Which Device You Have.

The BDX has two different brands (however they function the exact same). You either have



(1) SCT BDX Tuner

OR



(2) Bully Dog BDX Tuner

Although functionality between the two are identical, the set-up for updates will be slightly different for both brands. If you are unsure which one you may have, your device will either say “SCT” or “Bully Dog” on the physical device or on the original box or refer to the images found above.

Step 2.2 Updating your BDX Tuner (SCT & Bully Dog)

Select the brand that applies to your BDX device, you must do the update before loading any custom tunes on the BDX device. The following links are step-by-step video instructions on how to update your BDX Tuner Device.



SCT BDX Device

OR



Bully Dog BDX Tuner

<https://derivesystems.helpjuice.com/sct-software/353181-device-updater>

<https://derivesystems.helpjuice.com/49686-bully-dog-general-questions/344100-where-do-i-find-the-device-updater>

Step 3 : Loading your Custom Delete Tune

Once your BDX Tuner is plugged into the truck via OBDII CABLE, now it is time to view and **install all custom tuning**. *If you experience any strange error codes, go back to step 2 and review all steps, you most likely need to update the BDX device.*

Delete Custom Tunes are pre-loaded onto the tuner and will be labeled HEAVY TOW, LIGHT TOW, MPG/STREET, RACE & SOTF (Shift On The Fly). *Please make sure to download the CUSTOM TUNES not the “preloaded tunes”*

ONLY install SOTF if you have installed the SOTF switch beforehand. Tuner will download onto the truck, once it is 100% complete you are good to go.

Step 3 : Loading your Custom Delete Tune

ONLY install SOTF if you have installed the SOTF switch beforehand. Tuner will download onto the truck, once it is 100% complete you are good to go.

SOTF Positions with switch :

POSITION 1 - Heavy tow 40hp

POSITION 2 - Light tow 80hp

POSITION 3 - Street MPG 125HP

POSITION 4 - Street 150HP

POSITION 5 - RACE 180HP

Step 3 : Loading your Custom Delete Tune

6.4L Power Levels

Heavy Tow	Light Tow	Street MPG	Race	SOTF
60 hp	100hp	160hp	250hp	No SOTF switch for 08-10 models.

6.7L Power Levels

Heavy Tow	Light Tow	Street MPG	Race	SOTF
40 hp	80hp	125hp	180hp	SOFT File for Shift on the Fly switch

Step 4 : Tranny Relearn (IF NEEDED)

You can then do the tranny relearn if needed.

For Tranny Relearn click **HERE**:

<https://www.spediesel.com/pages/6r140-transmission-relearn>

Step 5 : Shift On the Fly (SOTF) Switch Install Instructions

To install the switch with your BDX Tuner, follow the instructions included in the BDX packaging.

If you have NOT received the instructions, please send us a quick email support@thedieseldudes.com

Step 5 : Shift On the Fly (SOTF) Switch Install Instructions

SOTF Positions with switch :

POSITION 1 - Heavy tow 40hp

POSITION 2 - Light tow 80hp

POSITION 3 - Street MPG 125HP

POSITION 4 - Street 150HP

POSITION 5 - RACE 180HP

Experiencing Some Issues? Contact us!

If you are experiencing technical difficulties or have questions regarding the installation, please do not hesitate to contact us at support@thedieseldudes.com.

Our Tech support team will do their best to find your solution as soon as possible. Our Tech support team will do their best to find your solution within 1-2 business day, (Our business times are 10:30AM-6:30PM EST Monday-Friday)