

ELECTRONIC SHIFT SWITCH 7

INSTRUCTION MANUAL

Thank you for purchasing the **ELECTRONIC SHIFT SWITCH** controller.

This product converts the factory Toyota Prius ZVW30 model shift lever into a button type shifter for one-touch gear changing.

Please be sure to read the contents of this manual to ensure proper installation and usage of this product. Also, please keep this instruction manual in a safe place for future reference.

Do not use this product for any other vehicles other than the ones listed here.

Be sure to include these instructions to the next owner in case of ownership change.

☐ **For Vehicle:**

Toyota Prius	
Type	ZVW30
Year	2009/05 ~

Toyota Prius PHV	
Type	ZVW35
Year	2012/01 ~



Safety Cautions

Please be sure to read the Safety Cautions before use of this product.



WARNING

- ☐ Use only as directed!

Failure to do so may result in accidents, fire, electrical shorts, and product damage. We are not responsible for any direct or third party damages caused by the improper use of this product.

- ☐ Always remove the battery terminals before installation.

Working with the battery terminals connected may lead to fire, electrical shock, and product damage. We will not be responsible for any direct or third party damages caused by the improper use of this product.

- ☐ Only install on 12V vehicles

This product is meant for 12V vehicles only. Use of this product on non-12V vehicles may result in vehicle fires and product damage.

- ☐ Do not repair, disassemble or modify this product

Never repair, disassemble or modify this product. Failure to do so will result in fires and product damage.

- ☐ Be sure to thoroughly read the instructions before use

This product allows gear changes to be made with button switches instead of the factory lever. Never drive the vehicle without a full understanding of the buttons and their functions.



CAUTION



- ☐ Do not expose to moisture or high temps
Failure to do so may lead to malfunction, fires, and product damage.
- ☐ Do not route harness near high temps and moving parts.
Failure to do so may lead to malfunction, fires, and product damage.
- ☐ Stop use immediately if anything is abnormal
If smoke or odors are present, stop use immediately and contact place of purchase.
- ☐ Be sure to keep factory parts
Be sure to keep the factory parts in car for replacement in case of malfunction of this unit.

PLEASE

- ☐ This product should only be installed by experienced installers or by a professional
Please consult with your dealer of purchase for installation centers
- ☐ Be sure to pass this manual to the user.
Be sure to pass this manual to the user after installation. Pass this manual to any new user in case of sale.
- ☐ Use double sided tape to secure unit
In order to prevent improper button usage, use the included double sided tape to secure the shifter in place.



PARTS LIST

NAME	DIAGRAM	PCS
① SHIFT SWITCH		1
② Instruction Manual		1



Specifications

- Voltage : (DC)10 ~ 16 [V]
For 12 V vehicles only
- Operating Temp: -20 ~ 70 [°C]
Avoid moisture and direct sunlight

INSTALLATION



CAUTION

- ☐ Turn IGNITION OFF

Turn Ignition OFF to prevent fires and malfunction.

☐ REMOVE THE CONTROL PANEL

- Raise the panel around the shift lever using a moulding remover.

- Remove the 6 clips marked by the ○ and remove the panel.

※ PULL STRAIGHT UP on the clips to avoid damage to the clip.



- Raise the panel and remove the 2 connectors (refer to ○ in diagram).



□ REMOVE THE SHIFT LEVER

- Remove the 3 nuts holding the Shift Lever in place.



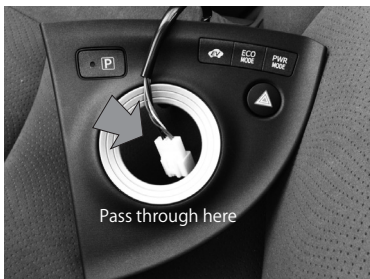
- Raise the Shift Lever STRAIGHT UP and remove the attached connector shown by the ○ in the diagram. Remove Shifter.

- ※ Remove the Instrument Cluster Finish Panel if the Shift Lever is difficult to remove



□ INSTALLING THE SHIFT SWITCH

- Pass the ESS harness through the control panel from front to back.



- Insert the ESS into the round slot of the integration control panel.



- Be sure that the 3 clips on the backside of the panel are securely attached to the round edges.



- Reconnect the 2 connectors to the back of the control panel.
- Attach the Shift Lever connector to the connector on this product.



- Replace the integrated control panel back into position by re-attaching the clips.

※ Be sure not to pinch any wiring when replacing.





- ☐ Be sure to securely connect all connectors
Improperly connected connectors may cause an error in the hybrid system.

If the Hybrid System Error occurs...

- ☐ Please make sure the connectors are properly connected
Confirm that the 3 connectors are properly connected. The error will disappear shortly after all connectors have been properly connected.
Please contact dealer of purchase if error persists.

When charging a Prius PHV...

- ☐ The illumination will stay ON
The PRIUS PHV monitors the shift lever while charging. Therefore, the power of the shift lever will be ON at this time. The illumination will remain on during charging but this is not a malfunction.

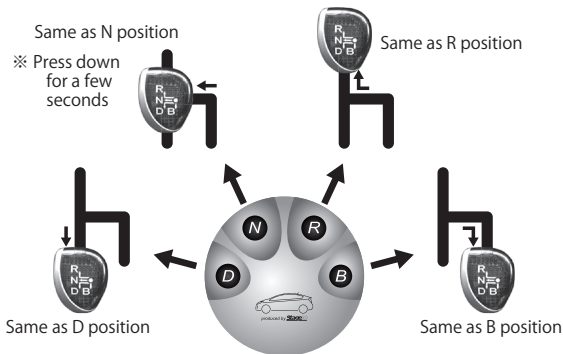


INSTRUCTIONS

Switch Functions

Shift Switch	Function
D	DRIVE
N (Long Push)	NEUTRAL
R	REVERSE
B	ENGINE BRAKE

Comparison with Factory Shift Lever (Right Hand Drive model shown)



※ All Shift Positions are the same as factory
All factory restricted operations will be the same for this product.

☐ Shift Position Safe Guards

- Any improper or unsafe use of the Shift Switch will result in a warning buzzer and will automatically cause the following safety operations.

Operation	Shift Position
Changing from P to another mode without stepping on the brakes	P
Trying to select B while in P or N	Mode will stay in P or N
Pressing R while moving forward	N
Pressing D while moving backwards	N
Pressing B while in R	N

☐ When operating the Shift Switch...

Do not use while pressing the accelerator pedal. Failure to do so may result in the vehicle launching suddenly and causing accidents when not in P or N.

Be sure to use the Shift Position Indicator in the dashboard to confirm selected shift position.



CAUTION

☐ When driving...

Do not put the shift position in N while driving. The engine brake does not operate when in P and may cause accidents.

Pressing the R while moving forward, or D while moving backwards, will also cause the car to go into N (Neutral). The engine brake will not work during this time.

ILLUMINATION SETTING



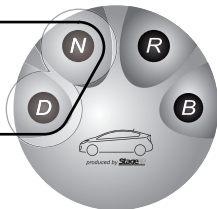
CAUTION

- ☐ Cannot change gears during setting
When in ILLUMINATION SETTING MODE, pressing the buttons will NOT change gears, but ONLY change illumination settings
- ☐ Do not push ESS buttons while turning IGNITION ON
Pressing the ESS button while turning ON IGNITION may accidentally activate SETTING MODE

☐ ILLUMINATION SETTING MODE

- Press [D]、[N] on the ESS while the IGNITION is OFF. Keep the buttons depressed then turn the vehicle IGNITION switch ON. Flashing [D] and [B] indicates SETTING MODE.

Press [D]、[N]
while turning
IGNITION ON



- ※ If the start up demonstration begins, the unit is still in NORMAL MODE so please try the process over again.

□ ILLUMINATION SETTING PROCEDURES

- Illumination color can be changed in ILLUMINATION SETTING MODE. Make sure the [D] and [B] switches are flashing to confirm setting mode.

Follow the steps below to change settings:

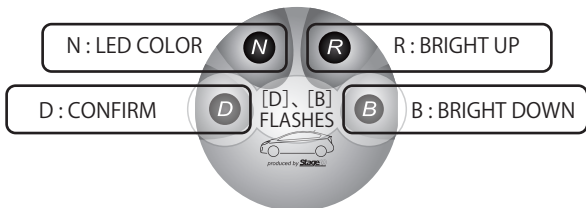
Press [N] : L E D COLOR CHANGE

GREEN → AQUA → BLUE → PURPLE → RED → WHITE → YELLOW

Press [R] : L E D BRIGHTNESS UP

Press [B] : L E D BRIGHTNESS DOWN

Press [D] : Confirm Setting, End Setting



- Press [D] to confirm selection. Pressing [D] will end SETTING MODE and return to Standard Mode. After ending, the startup demonstration will begin.

※ Settings will remain even when IGNITION is turned OFF or if the unit is disconnected.



Additional Information

1. Product specs, price, looks, and manual are subject to change and improvements without prior notice.
2. No portions of this manual may be reproduced in part or in whole for any reason without written consent.
3. We are not responsible for any injury or damage to first or third parties resulting from the improper use of this product.
4. We are not responsible for personal injury, legal suits, corporate damage, or any other damages resulting from the use or inability to use this product.
5. All information in this document is updated as of 5/1/2014

Name, address, telephone number and other contact info subject to change without prior notification.



Revisions

Ver.	Issued	Manual Part #	Notes
1st	5/1/2014	4H0009-801-02	

EXCLUSIVE IMPORTER

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