

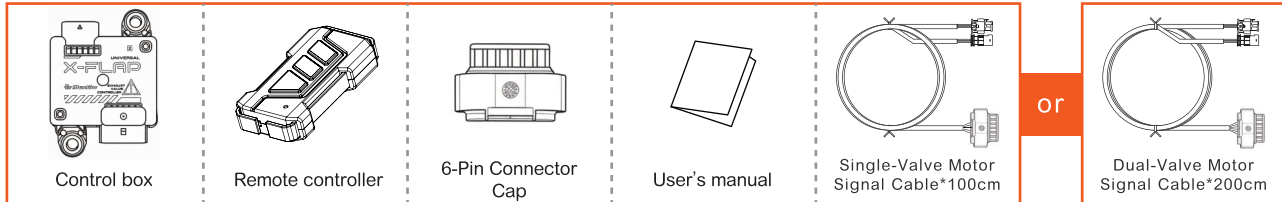
X-FLAP OEM EXHAUST VALVE CONTROLLER

UNIVERSAL / TL

Ver.0.0.3

► CONTENTS

Only for reference, it might be different from real parts.



- Please attach the user's manual to the product when transferring to others.

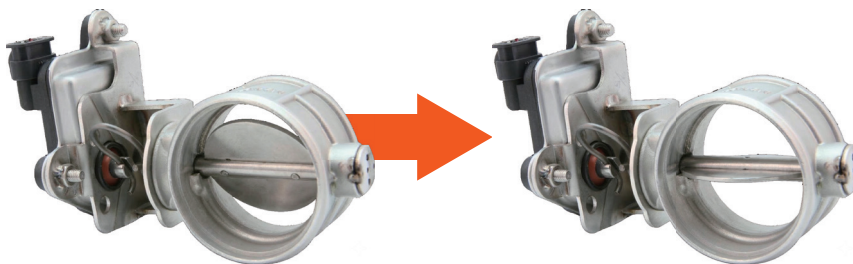
► FEATURES

- Three modes: ON (Fully Open) / OFF (Fully Closed) / NOR (Stock Mode) (Note .1).
- Plug-and-play with OEM connectors; quick installation without damaging factory wiring.
- Modes switchable via remote or App.
- Built-in OEM signal restoration module prevents error codes and warning lights.
- Fully potted waterproof design and direct chassis mounting ensure weather resistance and stability.
- Startup valve status customizable via App (Default: Last memory).

● (Note .1) Half-Open Correction

When the factory system limits the valve to a partially open position due to regulations or noise control, X-FLAP automatically adjusts it to fully open for better exhaust flow.

*This feature only supports certain models equipped with OEM multi-stage valve motors. Not compatible with other vehicles or valve systems.



Standard Mode:
Follows OEM ECU logic

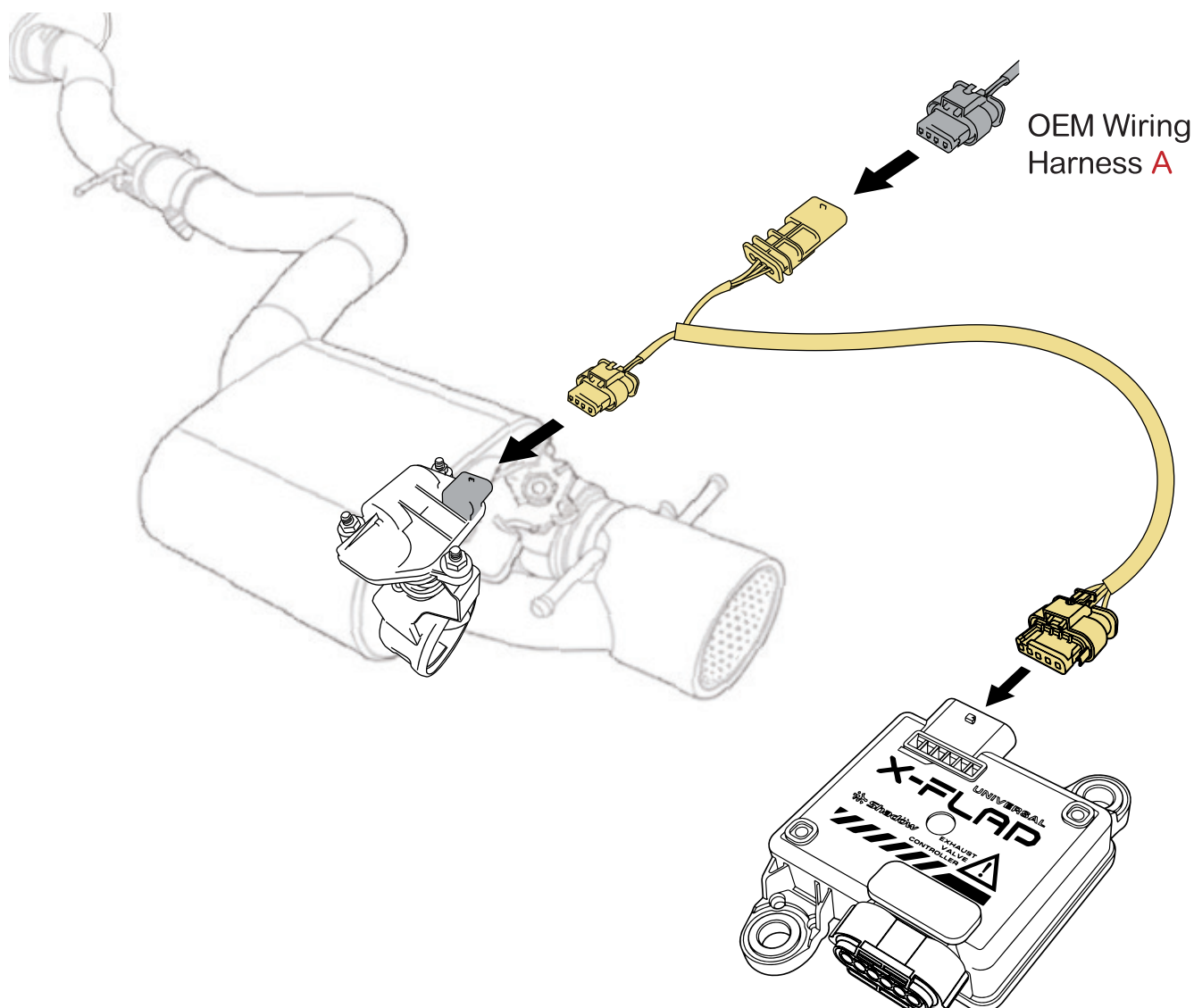
Auto Correction
Half-Open → 100% Open

► WIRING INSTRUCTIONS

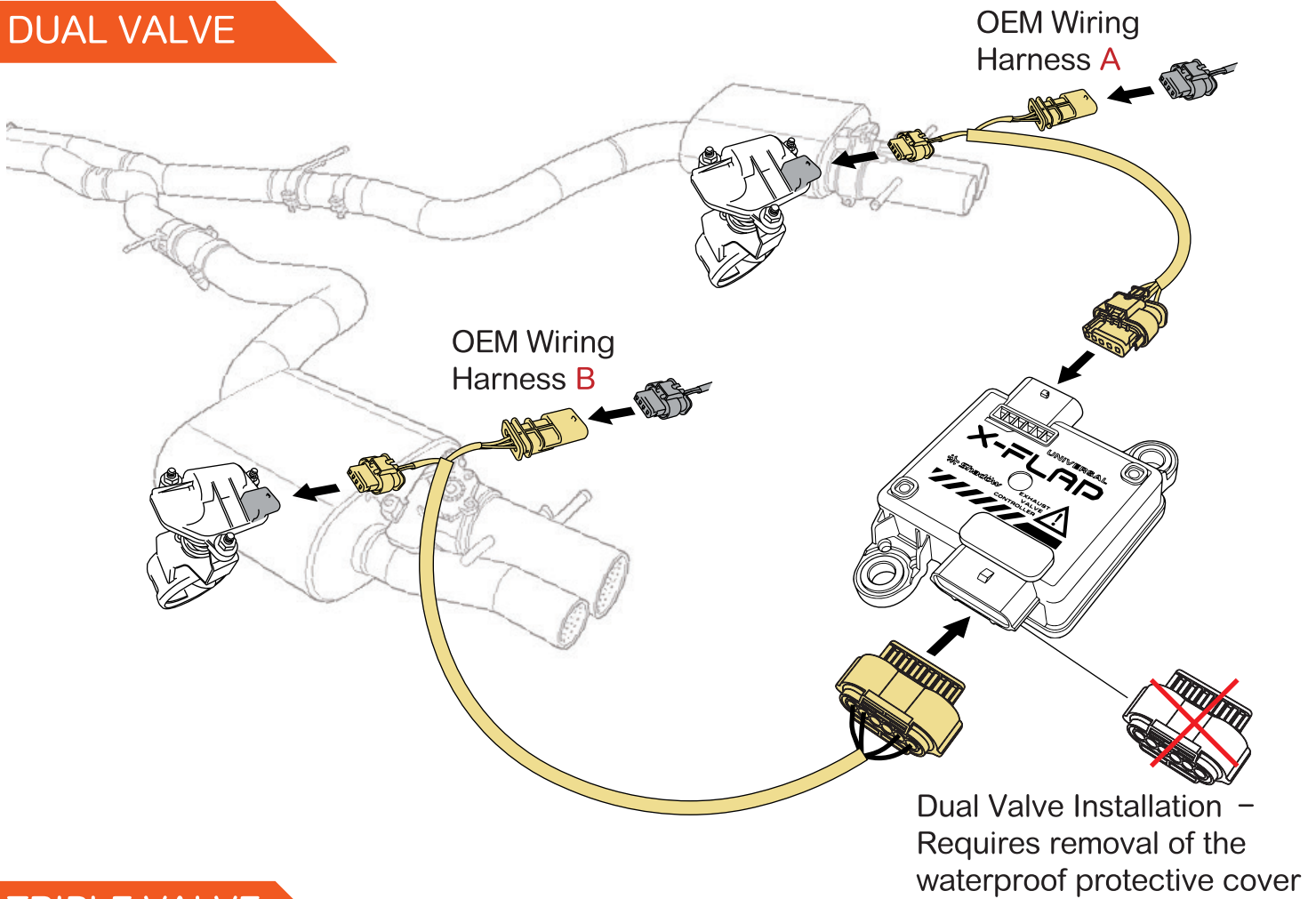
- Install only when the engine is off and the ECU is in full sleep mode to prevent temporary error codes caused by disconnecting plugs while powered.
- The waterproof main unit must be secured in a higher position on the chassis to prevent impact or water damage.
- Secure the wiring harness properly, keeping it clear of drive shafts, suspension links, or any areas prone to tension or abrasion.
- Connector configurations may vary by version. Please confirm compatibility with your vehicle before installation.
- In OFF (Fully Closed) mode, drive only at low RPM and low load. Avoid heavy acceleration to prevent high exhaust backpressure, which may cause ECU errors or vehicle damage.

► INSTALLATION INSTRUCTION

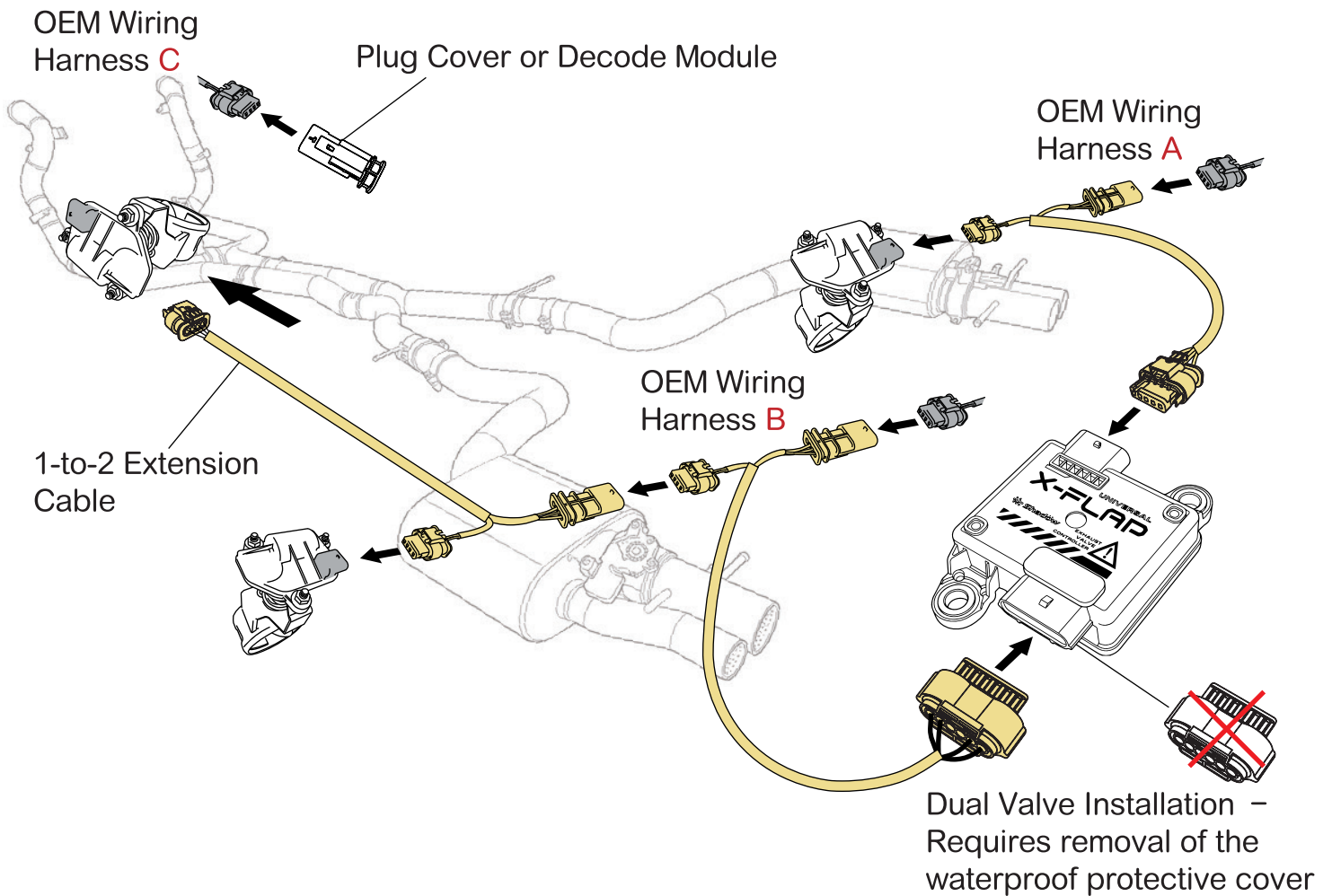
SINGLE VALVE



DUAL VALVE



TRIPLE VALVE



▶ APP INSTRUCTIONS

This product can be used with the APP.

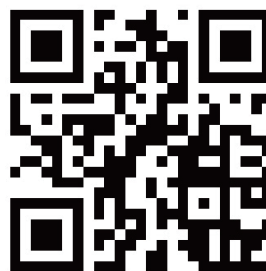


APP Name: X-FLAP
Device: X-FLAP_OTA (Exhaust)
Password: 1111

Requires iOS 17.0 or later / Android 5.0 or later.



Download Link



▶ OPERATION INSTRUCTION

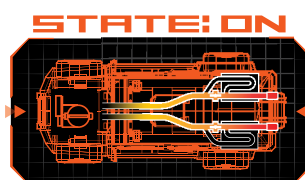


Settings

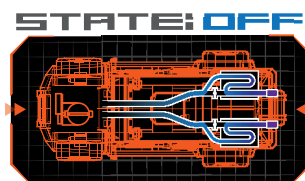
Mode

Controller Model

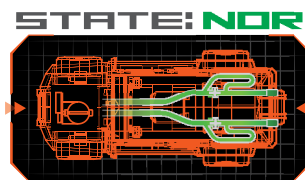
Valve State



Fully Open (100%)



Fully Closed (0%)



Original Control
(Partial Open Correction)

Home

▶ REMOTE CONTROL PAIRING

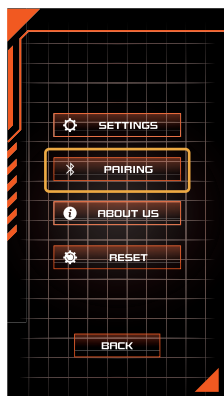
*Ensure ACC power is ON.

*If "PAIRING FAILED" appears, please retry.

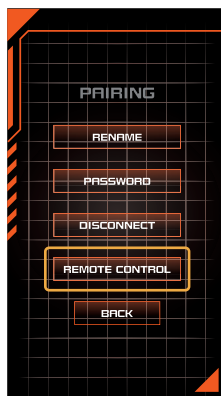
Open App to
Settings



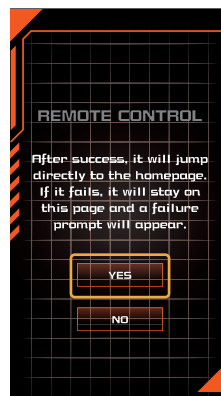
Tap "PAIRING"



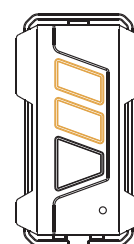
Tap "REMOTE CONTROL"



YES



Complete

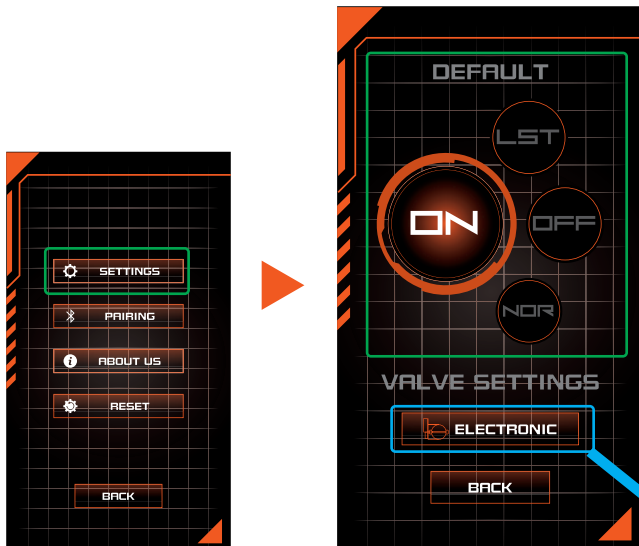


Long press the
remote ON/OFF
button until the red
LED flashes once.

► DEFAULT & DETAILED SETTINGS

DEFAULT

App configures startup valve status. Default is LST (Memory Mode): retains status from last shutdown. Startup status can be fixed to ON, OFF, or NOR.

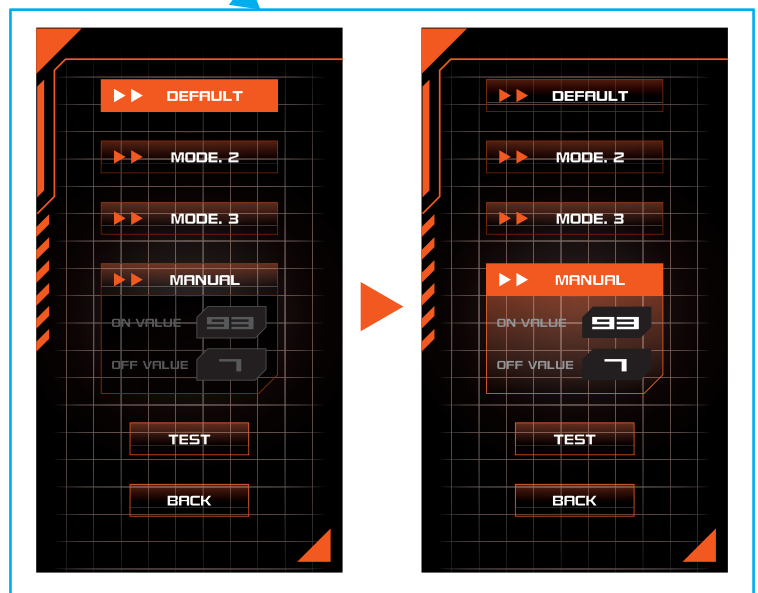


VALVE SETTINGS (ELECTRONIC)

Selectable signal modes available for compatibility. Most vehicles work in DEFAULT mode.

If default modes fail, use MANUAL mode to input specific ON/OFF values (0-100).

*TEST button performs (ON-OFF) actuation test 3 times.





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