



MADE FOR CAN-AM DEFENDER

SmartWiper

Installation & Setup Guide

Complete installation, wiring, Wi-Fi setup, firmware update and troubleshooting reference.

BEFORE YOU BEGIN

- Read all five installation steps before starting.
- Park safely, switch the ignition off and protect all wiring from pinching.
- Meter-test the white washer-trigger wire before connecting. Terminal position varies by model year.

TOOLS

T30 Torx driver | Digital volt meter | Pliers | Supplied blue 18-14 gauge T-tap

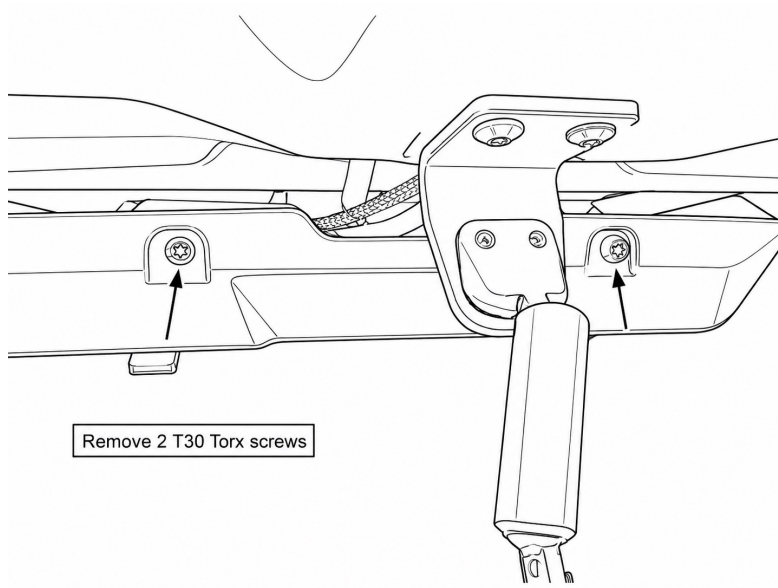
ANIMAL DESIGNS

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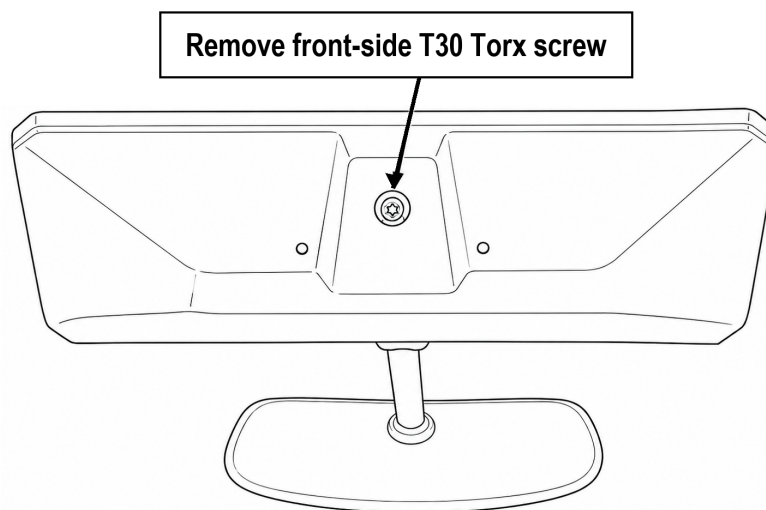
Access the overhead enclosure

1 Remove two rear T30 Torx screws



Remove the two T30 Torx screws securing the rear portion of the overhead enclosure cover.

2 Remove the front-side screw

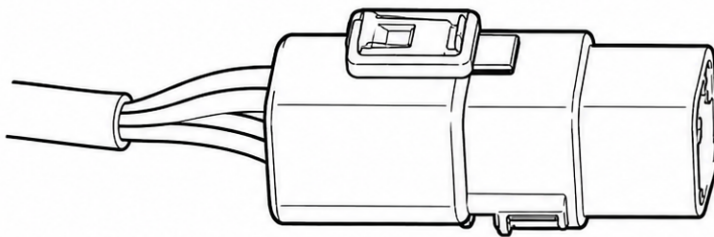


Remove the single front-side T30 Torx screw, then carefully lower the enclosure cover.

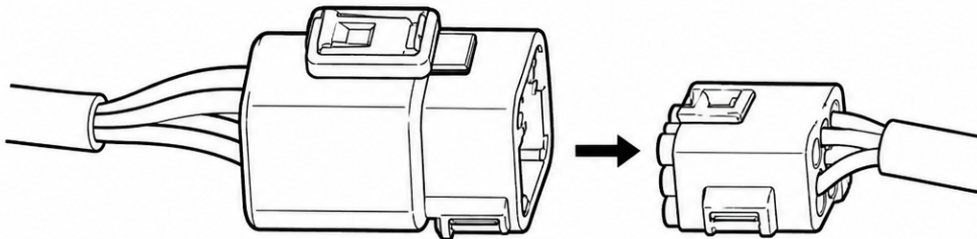
Disconnect the factory motor harness

3 Unplug the wiper motor connection

Unplug wiper motor connection



Plugged together



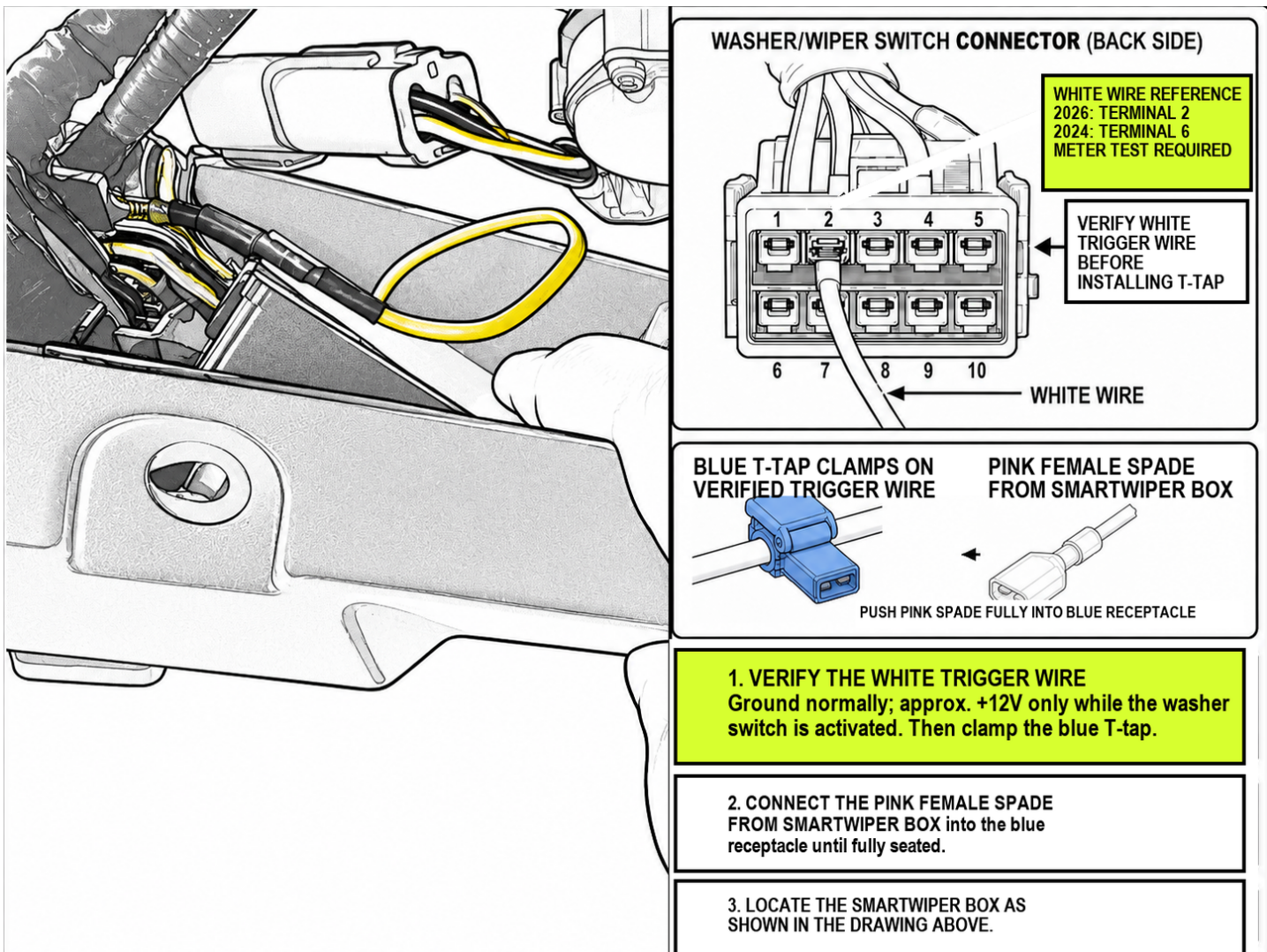
Unplugged

Release the connector lock and unplug the factory wiper motor connection. Do not pull directly on the wires.

IMPORTANT

Inspect both connectors for damage, moisture or bent terminals before installing SmartWiper between them.

Connect the washer trigger wire



- Locate the white washer-trigger wire. Reference only: 2026 = Terminal 2; 2024 = Terminal 6.
- Meter-test the white wire before clamping. It must measure ground normally and approximately +12 V only while the washer switch is activated.
- Once the meter test passes, clamp the supplied blue 18-14 gauge T-tap around that verified white wire. Do not cut or strip the factory wire.
- Use pliers to close the T-tap fully until it latches.
- Push the pink female spade on the SmartWiper washer trigger wire straight into the T-tap's blue receptacle until fully

METER TEST REQUIRED BEFORE CONNECTING

Terminal position is only a model-year reference. Do not clamp the T-tap unless the white wire measures ground normally and approximately +12 V only while the washer is activated. An incorrect connection may damage the unit.

Connect and refit SmartWiper

5 Connect and refit SmartWiper

- Connect the SmartWiper harness between the factory connectors.
- Locate the SmartWiper box as shown in the drawing above.
- Keep all wires uncrossed and clear of the enclosure cover. A few positioning attempts may be required.

Confirm the cover fits freely with no wire restrictions or pinched wiring. Reposition the box or harness as required, then reinstall all three T30 Torx screws.

Wi-Fi & Dashboard Setup

NETWORK

SmartWiper

FACTORY PASSWORD

animal123

DASHBOARD

192.168.4.1

- Connect your phone to the SmartWiper Wi-Fi network. If the phone reports no internet connection, stay connected.
- Open <http://192.168.4.1> in the phone's web browser.
- Choose the desired delay settings and change the factory Wi-Fi password after installation.

FORGOTTEN WI-FI PASSWORD

Turn keyed power off. Hold the washer switch, turn keyed power on, keep holding for at least 3 seconds, then release. The Wi-Fi password returns to animal123; all wiper settings remain unchanged.

Troubleshooting & firmware updates

Quick troubleshooting

- Cover will not fit: re-route the box and wires until the cover closes freely. Never pinch wiring.
- No SmartWiper response: confirm both harness connectors are fully seated and verify power and ground.
- Delay function not working: confirm the blue T-tap is fully latched on the meter-verified white washer-trigger wire and the pink female spade is fully seated.
- No 12 V while testing: recheck the meter ground and confirm the washer is actively commanded.
- Wi-Fi not found: confirm the unit has power, move closer to the vehicle and restart the ignition.
- Cannot log in: new units use the factory password animal123. If you previously changed it, use your custom password.

Signed firmware updates

- Use a normal internet-connected 2.4 GHz Wi-Fi network within range of the parked vehicle.
- Leave stable keyed/accessory power on, open the SmartWiper dashboard and choose Check for Firmware Update.
- Enter the nearby Wi-Fi name and password exactly. A dashboard disconnect and controller reboot are normal.
- After about one minute, reconnect to SmartWiper and reopen 192.168.4.1 to confirm the installed version.
- A same-phone hotspot is not supported. A second phone or dedicated 2.4 GHz hotspot may be used.

NEED HELP?

contact@animaldesigns.ca

Full instructions, warranty and current support: animaldesigns.ca/instructions.html