

7.10 | Fendt / Challenger MT

Applicable to: Supported Fendt and Challenger MT tractors using the **COMMAND Fendt SCR/S4/MT** valve interface.

Connection Method

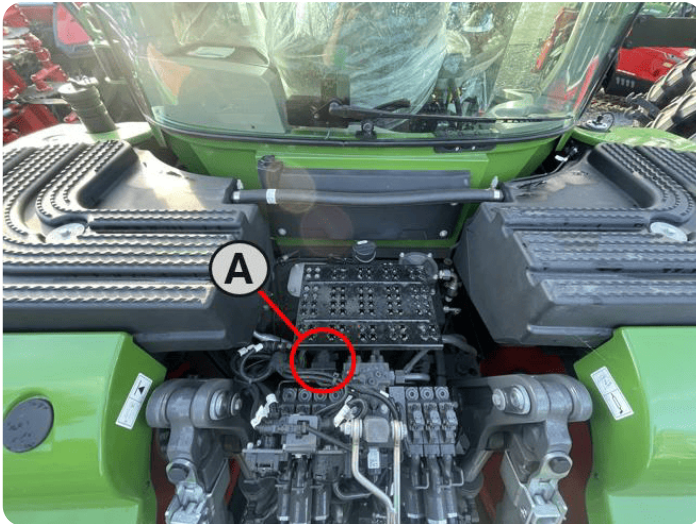
COMMAND connects to the tractor's rear SCV system using the **T3H-V005 ISO Valve Adapter** and the **S/082 — Fendt/Challenger MT Adapter Harness**.

The **S/082** harness is installed inline between the tractor chassis harness and the SCV-bank harness. It connects to **T3H-V005**, which routes the tractor-side and valve-side CAN networks to the **Tractor & Valve CAN Interface** connection on the **T3H-C002** ECU breakout harness.

The tractor connection is located at the **rear-left of the machine**. The SCV-bank harness receptacle is a **flange-mounted 12-way Deutsch connector**, secured to a bracket behind the SCV bank.

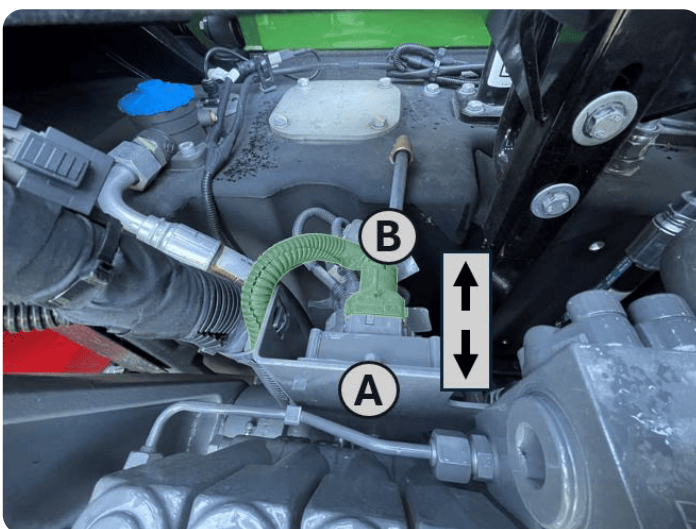
Installation Steps

1. Complete the machine preparation steps in **Section 5.1** and isolate the tractor electrical supply.
2. Connect the **5-way plug** on the **S/082** harness to the **tractor-side receptacle** on **T3H-V005**.
3. Connect the **5-way receptacle** on the **S/082** harness to the **valve-side plug** on **T3H-V005**.



4. Locate the 12-way SCV-bank harness connection at the rear-left of the tractor.

(A) - SCV Bank Harness connections



5. Release the connector latch and disconnect the **tractor chassis harness plug (B)** from the **SCV-bank harness receptacle (A)**.

(A) – SCV Bank Harness Receptacle

(B) – Tractor Chassis Harness Plug

6. Connect the **tractor chassis harness plug (B)** to the **12-way “Tractor” receptacle (D)** on the **S/082** harness.

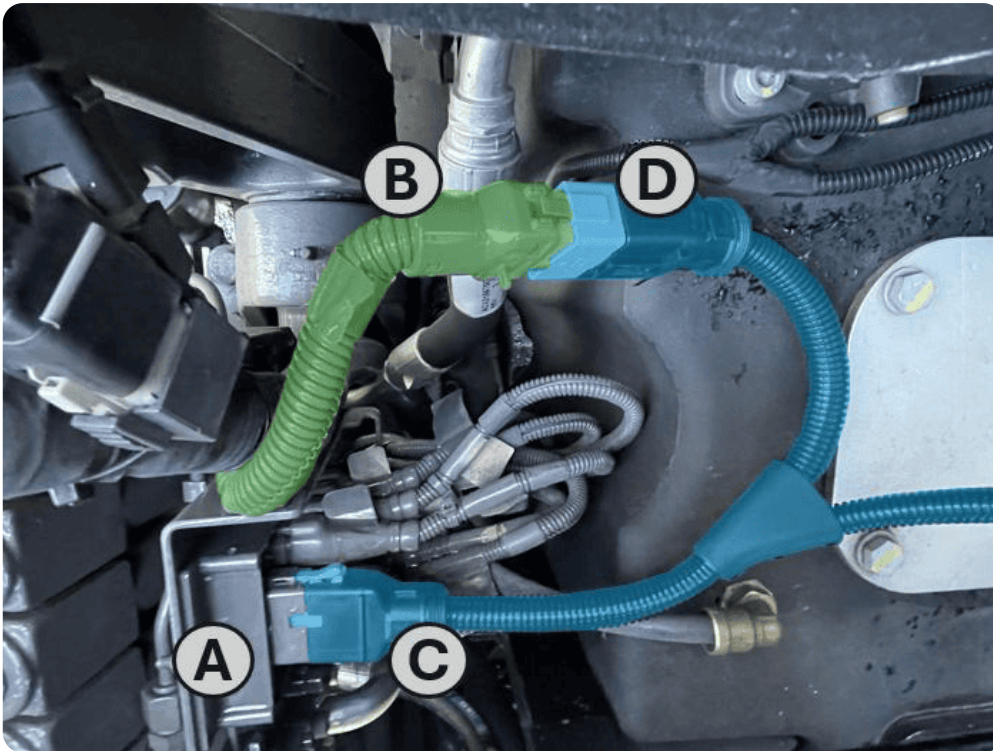
7. Connect the **12-way “Implement PCB” plug (C)** on the **S/082** harness to the **SCV-bank harness receptacle (A)**.

(A) – SCV Bank Harness Receptacle

(B) – Tractor Chassis Harness Plug

(C) – Implement PCB Plug, S/082 Harness Adaptor

(D) – Tractor Receptacle, S/082 Harness Adaptor



8. Route **T3H-V005** to the **COMMAND** ECU and connect it to the **CAN Interface** connector on the **T3H-C002** ECU breakout harness.
9. Ensure all connectors are fully seated and latched. Secure the harness clear of moving parts, hot surfaces and sharp edges, leaving sufficient slack to avoid strain on the connectors.
10. Keep **COMMAND** disarmed and restore the electrical supply.

IMPORTANT: The 12-way SCV-bank harness connection and the connection at the rear ISOBUS socket serve different purposes. Connect **S/082** to the SCV-bank harness connection identified above.

Where an ISOBUS connection is required for the installation, follow **Section 5.4** using the appropriate **COMMAND** cab or exterior breakout harness.

Tractor Valve Configuration

1. Ensure the required tractor SCVs are enabled and unlocked using the tractor's controls.
2. In **Level COMMAND**, select **Fendt SCR/S4/MT** as the valve interface.
3. Assign the required SCVs to the controlled functions, such as height and cross-slope. These assignments must match the implement's hydraulic hose connections.

4. Prepare the selected SCVs for external control as described below, then verify that each function operates the intended valve in the correct direction.
5. Complete valve configuration and calibration before automatic operation.

For detailed configuration and calibration instructions, refer to the **Level COMMAND Manual**.

Operation Notes

To prepare the selected SCVs for automatic control:

1. Ensure the required tractor SCVs are enabled and unlocked.
2. Move the **COMMAND Arm/Engage switch** to the middle **ON** position to arm COMMAND.
3. Move each selected SCV's tractor control lever into the **float position** to enable external control of that valve.
4. Press the momentary side of the **COMMAND Arm/Engage switch** to engage automatic control once the system is ready.

NOTE: For SCVs configured for COMMAND control, the lever's **float position** enables external hydraulic control. It does **not** place the valve into hydraulic float.

IMPORTANT: To disengage **COMMAND** automatic control, press the momentary side of the **COMMAND Arm/Engage switch**. Move the switch to **OFF** to disarm **COMMAND** and disable its hydraulic control commands.

Before handing over the installation, verify manual valve operation and demonstrate how to enable, disengage and resume automatic control.
