

Audi AAN → 3B → B3 7A Repin & Conversion Guide

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This guide explains converting an Audi AAN harness to operate a 3B ECU in a B3 7A chassis.
Includes ECU pin mappings, connector integration, and diagnostic wiring.

Representative Pin Mapping

18	RT	+12V Batt (30)	→ Batt (30)	No Move	T6a	Fuse 30
27	SW/GN	+12V IGN (15)	→ IGN (15)	No Move	T6a	Ign sw
37	SW/RT	+12V inj/MAF	→ J271 feed	No Move	T6a	Relay
10	BR	Ground	→ Ground	No Move	T6b	Chassis
3	BR/GE	Fuel Pump Relay	→ J17 coil	No Move	T6a	Fuel pump
47	VI	G4 Ref	→ G4	No Move	Engine	—
49	GR	G28 RPM	→ G28	No Move	Engine	—
8	GR/RT	Cam G40	→ G40	No Move	Engine	—
44	BR/BL	IAT G42	→ G42	No Move	Engine	—
45	GR/BR	CLT G62	→ G62	No Move	Engine	—
11	GN/GN	Knock1	→ G61	No Move	Engine	—
29	WS/WS	Knock2	→ G66	No Move	Engine	—
7	GN/WS	MAF Signal	→ G70	No Move	T8a	Cluster
25	GN/VI	MAF Burn-off	→ —	Remove	—	—
52	WS/GR	TPS Idle	→ F60	Rewire	T8b	HVAC
54	RT/WS	TPS WOT	→ F96	Rewire	T8b	HVAC
55	BR/GE	TPS GND	→ GND	Verify	T8b	HVAC
53	WS/GE	TPS Pot	→ —	Remove	—	—
1	—	COP1	→ N124 trig	Repurpose	T6a	N124
22	WS/BL	MIL Lamp	→ MIL	No Move	T8a	Cluster

Diagnostics (2×2) and MIL Lamp

White 2-pin pin 1: K-line (WS) — Diagnostics

White 2-pin pin 2: L-line (GR) — Optional

Black 2-pin pin 1: +12V IGN (SW) — From fuse

Black 2-pin pin 2: Ground (BR) — Body ground

MIL pin —: ECU Pin 22 (WS/BL) — MIL bulb

Sources & References

- Audi AG AAN/3B diagrams
- Bentley Audi 80/90/CQ manuals
- S2Central / S2Forum archives
- Audi ELSAWin docs