

LM to SBEC

LM 87 Turbo	LM	LM Wire Gauge	LM Wire Color	Pin	SBEC	SBEC Wire Gauge	SBEC Wire Color	1990-1991 Turbo I SMPI(Click here for details)	91 FSM
MAP sensor signal	K4	20	DG/RD*	1	K01	20	DG/RD*	K1 MAP Sen Sig	
Coolant temperature sensor signal	K10	20	TN/BK*	2	K02	20	TN/BK*	K2 ECT Sen Sig	
Direct battery feed	J1	12	PK	3	A14	16	RD/WT*	A14 Fused B+ battery	
Signal ground to sensors	N5	18	BK/LB*	4	K04	18	BK/LB*	K4 Sen Return Ground	
Signal ground source from fuel rail bolt	K5	18	BK	5	Z11	16	BK	Z11 Sig Ground	
5V for Map and TPS	K8/K6	20/18	VT/WT*/OR/WT*	6	K06	18	VT/WT	K6 5 vDC Supply (MAP/TPS)	
7.5V for LM and HEP	N6	18	OR	7	K07	18	OR	K7 8 vDC Supply (Cam/Crank)	
NA				8	A61	16	DG/BK*	A61 ASD // Inj -Sens // Alt Feed	Run only interrupt to ASD relay
12V power feed from ignition switch "run" and "start".	J2	14	DB	9	A21	14	DB	A21 Fused Ign Sw Strt/Run	
NA				10	-	-	-	NA	
Engine ground at fuel rail bolt	J9	16	Bk	11	Z12	16	BK/TN*	Z12 Power Ground	
Engine ground at fuel rail bolt	J9	16	BK	12	Z12	16	BK/TN*	Z12 Power Ground	
NA				13	K14	18	LB/BR*	K14 Inj #4 Driver	
NA				14	K13	18	YL/WT*	K13 Inj #3 Driver	
Fuel Injector #3 and #4 driver output	Y12	18	TN	15	K12	18	TN	K12 Inj #2 Driver	
Fuel Injector #1 and #2 driver output	Y11	18	WT/DB*	16	K11	18	WT/DB*	K11 Inj #1 Driver	
NA				17	-	-	-	NA	
NA				18	-	-	-	NA	
Ignition Coil driver output	J5	18	BK/YL*	19	K19	18	BK/GY*	K19 Ign Coil Driver	
Alternator Field Coil driver output	R3	18	DG	20	K20	18	DG	K20 ALT Field Driver	
Air charge temperature sensor signal	K13	18	BK/RD*	21	K21	18	BK/RD	K21 Charge Air Temp Sen Sig	
Throttle position sensor (TPS) signal	K7	18	OR/DB*	22	K22	18	OR/DB*	K22 TPS Sen Sig	
NA				23	-	-	-	NA	
HEP REF	N7	18	GY/BK*	24	K24	18	GY/BK*	K24 HEP REF	
Serial communications interface (TX)	DK21	20	PK	25	D21	20	PK	D21 SCI Xmit	
NA				26	D01	20	VT/BR*	D1 CCD Bus+	missing
A/C damped pressure switch signal	C2	18	BR	27	C20	18	BR	C20 A/C Sw Sen	
NA				28	-	-	-	NA	
Brake switch signal	D40	18	WT/PK*	29	K29	18	WT/PK*	K29 Brake Sw Sen	
Neutral safety switch sense	T41	20	BR/YL*	30	T24	20	BR/YL*	T24 Park/Neutral switch	
Radiator fan relay output	C27	20	DB/PK*	31	C27	20	DB/PK*	C27 Rad Fan Relay Cntrl	
Power loss/check engine lamp output	K3	22	BK/PK*	32	G03	20	BK/PK*	G3 Check Eng Lmp Driver	
Speed control solenoid vacuum output	X36	20	TN/RD*	33	V36	20	TN/RD*	V36 Spd Cntrl Vac Solnd Cntrl	
A/C cutout relay output	N13	20	DB/OR*	34	C13	20	DB/OR*	C13 A/C Cmp Cltch Relay Cntrl	
NA				35	K35	20	GY/YL*	NA EGR	
Wastegate solenoid output	Y6	20	LG/BK*	36	K36	20	LG	K36 Wastegate Sol Cntrl	
NA				37	-	-	-	NA	
NA				38	-	-	-	NA	
AIS motor output (winding 3)	N1	18	GY/RD*	39	K39	18	GY/RD*	K39 AIS #3 Driver	
AIS motor output (winding 1)				40	K40	18	BR/WT*	K40 AIS #1 Driver	
Oxygen sensor signal	N11	18	BK	41	K41	18	BK/DG*	K41 O2 Sens Sig	
Detonation sensor signal	N12	18	BK/LG*	42	K42	18	BK/LG	K42 Knock Sen Sig	
Tachometer gauge signal	T21	22	GY/LB*	43	G21	20	GY/LB*	G21 Tach Sig	
HEP SYNC	Y7	18	TN/YL	44	K44	18	TN/YL*	K44 HEP SYNC	
Serial communications interface (RX)	DK20	20	LG	45	D20	20	LG	D20 SCI Recv	
NA				46	D02	20	WT/BK*	D2 CCD Bus-	
Speed/distance sensor signal	G7	22	WT/OR*	47	G07	20	WT/OR*	G7 Vehicle Spd Sens Sig	
Speed control switch set signal	X31	22	BR/RD*	48	V31	20	BR/RD*	V31 Spd Cntrl SET Sw	
Speed control switch on/off signal	X32	22	YL/RD*	49	V32	20	YL/RD*	V32 Spd Cntrl ON/OFF Sw	
Speed control switch resume signal	X33	22	WT	50	V33	20	WT/LG*	V32 Spd Cntrl RESUME Sw	
ASD relay power output	Z1	14	DG/BK*	51	K51	20	DB/YL*	K51 ASD Relay Cntrl	
Wastegate solenoid output	Y6	20	LG/BK*	52	K52	20	PK/BK*	K52 Purge Relay Cntrl	
Speed control solenoid vent output	X35	20	LG/RD*	53	V35	20	LG/RD*	V35 Spd Cntrl Vent Sol Cntrl	
NA				54	K54	20	OR/BK	K54 part throttle unlock solenoid	
Baro-read solenoid output	Y4	20	LB	55	K55	20	LB	K55 Baro Sol Cntrl	
NA				56	-	-	-	NA	
NA				57	-	-	-	NA	
NA				58	-	-	-	NA	
			VT/BK*	59	K59	18	VT/BK*	K59 AIS #4 Driver	
AIS motor output (winding 2)				60	K60	18	YL/BK*	K60 AIS #2 Driver	