

Dash Harness to ECU			
EKP			
E30 Wiring/Additions	Signal	MSV70 Wiring	Notes
Pin 9	CAN High	X60001-Pin 14	
Pin 16	CAN Low	X60001-Pin 1	
Pin 13	12v	C101-Pin 7 5A fuse	RUN/START
Used existing E30 power and ground wiring for main power. C101 Pin13 to battery and add 15A fuse.			
Pedal Connector			
E30 Wiring/Additions	Signal	MSV70 Wiring	Notes
Pin 1	ground	X60001-pin 10	
Pin 2	ground	X60001-pin 23	
Pin 3	supply	X60001-pin 24	
Pin 4	signal	X60001-pin 20	
Pin 5	supply	X60001-pin 11	
Pin 6	signal	X60001-pin 7	
Clutch Switch-E46 Early #61318381612			
E30 Wiring/Additions	Signal	MSV70 Wiring	Notes
Pin 1	Ground		G200
Pin 2	signal	X60001-pin 18	ground output pedal up
Pin 3	12V	C302-5A fuse	ACC/RUN/START
Brake switch-E85 Z4 #6131697601			
E30 Wiring/Additions	Signal	MSV70 Wiring	Notes
Relay from pin3 to replace E30 switch			
Pin 1	12V	C302-5A fuse	ACC/RUN/START
Pin 2	ground		G200
Pin 3	5V	X60001-pin 16	Spliced to relay/5V output pedal depressed
Pin 4	GND	X60001-pin 4	Ground Pedal up
Relay added in place of E30 switch to power lights (bought 2 different brands of brake switch, only one would actuate 12V relay, may need to find a 5V actuated one).			
Cruise Z4 stalk X72			
E30 Wiring/Additions	Signal	MSV70 Wiring	Notes
Pin 1	GND		G200
Pin 2	Signal	X60191-pin 39	
Pin 3	unused		
Pin 4	12V	C101 pin 7 5A fuse	RUN/START
E46 Fan Control Module			
Modified K6 Relay-Gutted relay, shorted pin 30 to 87.			
C101 Pin 16	PWM	X60001-pin 8	No airbag, pin 16 unused on my car.
Aux fan K6 relay (mod)	12V Batt	Fan Module input	
Aux fan	GND	Fan Module input	
Will remove E30 outlet temp sensor. Verified with Hoveringuy he is not using one.			
C101 (9/87 325IS)			
E30 Wiring/Additions	Signal	MSV70 Wiring	Notes
Pin 1	D+ Alt	?	Alternator light and ABS undervoltage monitor. (red .5)
Pin 2	static oil level	NA	E30 level sensor added to pan/wired through N52 harness
Pin 3 Empty			
Pin 4	Cluster water temp	NA	Bung added to N52 oil filter housing/wired through N52 harness
Pin 5	oil pressure	X60007 Pin 13	Spliced to pin 13. (black .5)
Pin 6	12V run/start fuse 9	X60191-Pin 23	Change fuse 9 to 7.5A
Pin 7	12V run/start	Dash harness/booster	Brake booster, cruise switch, EKP fused at 5A. (red 1.5)
Pin 8	Fuel rate to cluster	X60007	Splice with any injector signal pin (1,2,3,14,15,16) (green .5)
Pin 9	Tach to cluster	X60001-Pin 21	RPM Signal splice to OBD Pin 9 (white .5)
Pin 10	dynamic oil level	NA	E30 level sensor added to pan/wired through N52 harness
Pin 11	Service reset	NA	wire to momentary ground switch (brown .5)
Pin 12	CEL	NA	leave extra in ECU area for future CANBUS (white .5)
Pin 13	12V to fuel pump	NA	Wire to battery change fuse 11 to 15A (red 1.5)
Pin 14	Speed signal	X60001-Pin 17	(black .5)
Pin 15	Unloader relay	NA	Jumper to C101 Pin 18 (green .5)
Pin 16 SRS/diag?	PWM	X60001-Pin 8	Pulled bodyside wire back, from orange (unused) connector under dash, to fuse box. Extend with existing underhood aux fan wires for e46 fan module signal. (blue .5)
Pin 17 Empty			
Pin 18	Start signal	x60191-Pin 1	Jumper to C101 Pin 15. (green .5)
Pin 19 Empty			
Pin 20	GND	NA	Oil level and coolant temp ground
OBD II			
E30 Wiring/Additions	Signal	MSV70 Wiring	Notes
Pin 1	12V run/start		Spliced with radio
Pin 2	NA		
Pin 3	NA		
Pin 4	GND		Spliced with radio
Pin 5	GND		Flashlight Charger
Pin 6	NA		
Pin 7	DIAG	X60002-Pin 2	Bypass IVM X60191 pins 10 and 41
Pin 8	NA		
Pin 9	RPM	X60001-Pin 21	Splice with C101 Pin 9
Pin 10	NA		
Pin 11	NA		
Pin 12	NA		
Pin 13	NA		
Pin 14	NA		
Pin 15	NA		
Pin 16	12V Batt		Flashlight charger