

2025 version		BSR CUSTOM UNIT ONLY				
	EGS52					
	PIN	USE	WHERE TO CONNECT		Diff ratio	ABS teeth
	1	Diagnostic K-line	OBD2 port pin 11		2.24	ASR(have to use our gear)
	2	Kickdown	-		2.65	36
	3	Mode button(RPM sensor)	Engine speed sensor		2.82	ASR(have to use our gear)
	4	R/P lock solenoid(RPM sensor)	Engine speed sensor		2.87	ASR(have to use our gear)
	5	VR-sensor	Drive shaft/ diff abs speed sensor(w124 etc.)		3.06	31
	6	VR-sensor	Drive shaft/ diff abs speed sensor(w124 etc.)		3.07	31
	7	MAP	MAP signal wire		3.27	29
	8	Sensor +5V out	TPS and MAP +5v		3.29	29
	9	TPS	TPS signal wire		3.45	28
	10	-	-		3.46	28
	12	RPM sensor n2 signal	Transmission harness		3.67	26
	13	RPM sensor voltage supply	Transmission harness		3.69	26
	14	1-2/4-5 shift solenoid	Transmission harness		3.92	24
	15	3-4 shift solenoid	Transmission harness			
	16	2-3 shift solenoid	Transmission harness			
	17	Torque converter lock-up solenoid	Transmission harness		OBD2 (16pin)	
	23	VR INPUT	connected inside unit			
	24	Not used	-		4 Ground	
	25	Range recognition switch	Not used with tiptronic		5 Ground	
	26	Range recognition switch	Not used with tiptronic		6 CAN High	
	27	Range recognition switch	Not used with tiptronic		8 Ignition 12V	
	28	Range recognition switch	Not used with tiptronic		11 Data link from TCU	
	29	12V supply	Battery with 20A fuse		14 CAN Low	
	30	Ground	Directly to battery or chassis ground		16 Battery 12V	
	33	RPM sensor and oil temp. sensor ground	Transmission harness			
	34	Oil temperature sensor signal	Transmission harness			
	35	RPM sensor n3 signal	Transmission harness			
	36	Modulator pressure solenoid	Transmission harness			
	37	Shift pressure solenoid	Transmission harness			
	38	Solenoid voltage supply	Transmission harness			
	L	CAN-LOW	Can bus to ecu and shifter			
	H	CAN-HIGH	Can bus to ecu and shifter			
	W211/W203 SHIFTER					
		MB Abbreviation	Use	Where to connect		
	1	87	12V	Battery with 10A fuse		
	2	31	Ground	Directly to battery or chassis ground		
	3	W/S	Transmission mode switch	Transmission mode switch		
	4	BLS	Steering wheel gear paddles	Steering wheel gear paddles		
	5	Stop/Hold	-	-		
	6	CAN-L	Can Low	Canbus connector		
	7	CAN-H	Can High	Canbus connector		
	8	Start	Keyless-Go	Keyless-Go button		
	W210/W202 SHIFTER					
		MB Abbreviation	Use	Where to connect		
	1	S16/6	Kickdown	Kickdown switch		
	2	58d	Cluster lights	12v from lights		
	3	Diag	Diagnostic	OBD2 port pin12		
	4	31	Ground	Directly to battery or chassis ground		
	5	15R S9/1	Brake switch	12v from brake lights		
	6	CAN-H	Can High	Canbus connector		
	7	CAN-L	Can Low	Canbus connector		
	8		12V	Battery with 10A fuse		
	9	15	Reverse lights	12v from ignition		
	10		Reverse lights	12v feed to reverse lamps		