

58.Engine Wiring Harness and Transmission Cord

A: LOCATION

1. 2.5 L NON-TURBO MODEL

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
E2	54	Black	A-2	B21	Bulkhead wiring harness
E4	2	Black	B-3		Purge control solenoid valve
E5	2	Dark gray	B-1		Fuel injector No. 1
E6	2	Dark gray	A-2		Fuel injector No. 3
E8	2	Black	B-2		Engine coolant temperature sensor
E10	2	Light gray	B-3		Crankshaft position sensor
E11	1	Light gray	B-2		Oil pressure switch
E14	2	Black	A-4		Knock sensor
E15	2	Black	B-4		Camshaft position sensor
E16	2	Dark gray	B-4		Fuel injector No. 2
E17	2	Dark gray	B-4		Fuel injector No. 4
E18	6	Dark gray	A-4		EGR valve
E19	1	★	B-2		Power steering oil pressure switch
E21	3	Black	A-3		Manifold absolute pressure sensor
E24	4	Black	B-1		Front oxygen (A/F) sensor
E25	4	Dark gray	B-1		Rear oxygen sensor
E31	3	★	B-1		Ignition coil No. 1
E32	3	★	B-4		Ignition coil No. 2
E33	3	Black	A-2		Ignition coil No. 3
E34	3	Black	B-5		Ignition coil No. 4
E57	6	Black	A-3		Electronic throttle control
E69	2	Blue	A-2		Oil switching solenoid valve RH
E70	2	Blue	B-4		Oil switching solenoid valve LH
E71	1	★	B-2		Variable valve lift diagnosis oil pressure switch RH
E72	1	★	B-4		Variable valve lift diagnosis oil pressure switch LH
E75	2	Black	A-3		Oil temperature sensor
E130	1	★	B-5		Oil level switch

★ : White or natural color

• MT model

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
T1	2	★	C-1	B24	Bulkhead wiring harness
T2	2	Brown	C-1	B25	

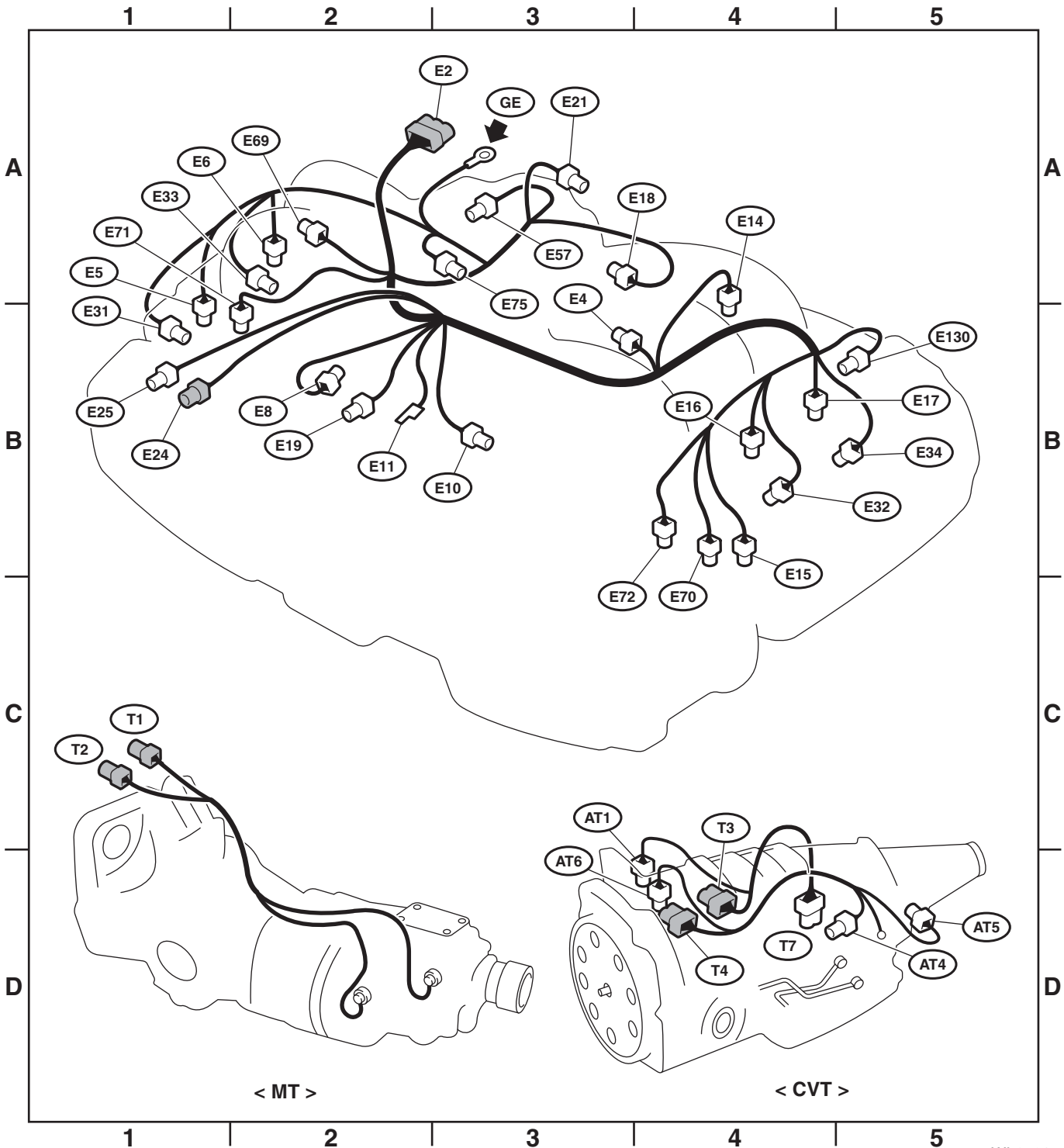
★ : White or natural color

• CVT model

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
T3	12	Black	D-4	B12	Bulkhead wiring harness
T4	20	Gray	D-4	B11	
T7	9	Black	D-4		Inhibitor switch
AT1	3	Gray	D-4		Primary speed sensor
AT4	3	Black	D-5		Secondary speed sensor
AT5	3	Gray	D-5		Front wheel speed sensor
AT6	3	Black	D-4		Secondary pressure sensor

Engine Wiring Harness and Transmission Cord

WIRING SYSTEM



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Engine Wiring Harness and Transmission Cord

WIRING SYSTEM

2. 2.5 L TURBO MODEL

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
E2	54	Black	A-3	B21	Bulkhead wiring harness
E3	16	Brown	A-3	B22	
E4	2	Black	B-3		Purge control solenoid valve 1
E5	2	Dark gray	A-1		Fuel injector No. 1
E6	2	Dark gray	A-2		Fuel injector No. 3
E8	2	Black	B-3		Engine coolant temperature sensor
E10	2	Light gray	B-2		Crankshaft position sensor
E11	1	Light gray	B-3		Oil pressure switch
E14	2	Black	B-4		Knock sensor
E16	2	Dark gray	B-4		Fuel injector No. 2
E17	2	Dark gray	B-4		Fuel injector No. 4
E19	1	★	B-2		Power steering oil pressure switch
E21	3	Black	B-2		Manifold absolute pressure sensor
E24	4	Light gray	B-4		Front oxygen (A/F) sensor
E25	4	Black	B-4		Rear oxygen sensor
E31	3	Gray	B-1		Ignition coil No. 1
E32	3	Gray	B-4		Ignition coil No. 2
E33	3	Gray	B-2		Ignition coil No. 3
E34	3	Gray	B-4		Ignition coil No. 4
E35	3	Black	B-4		Intake camshaft position sensor LH
E36	3	Black	A-2		Intake camshaft position sensor RH
E37	2	Blue	B-4		Intake oil flow control solenoid valve LH
E38	2	Blue	A-2		Intake oil flow control solenoid valve RH
E51	5	Light gray	B-5		Tumble generator valve assembly LH
E52	2	Black	A-3		Purge control solenoid valve 2
E55	5	Light gray	B-1		Tumble generator valve assembly RH
E57	6	Black	A-4		Electronic throttle control
E62	3	Light gray	B-1		Exhaust camshaft position sensor RH
E63	2	Blue	B-1		Exhaust oil flow control solenoid valve RH
E64	2	Black	B-1		Wastegate control solenoid valve
E65	3	Light gray	C-4		Exhaust camshaft position sensor LH
E66	2	Blue	C-4		Exhaust oil flow control solenoid valve LH
E130	1	★	B-5		Oil level switch

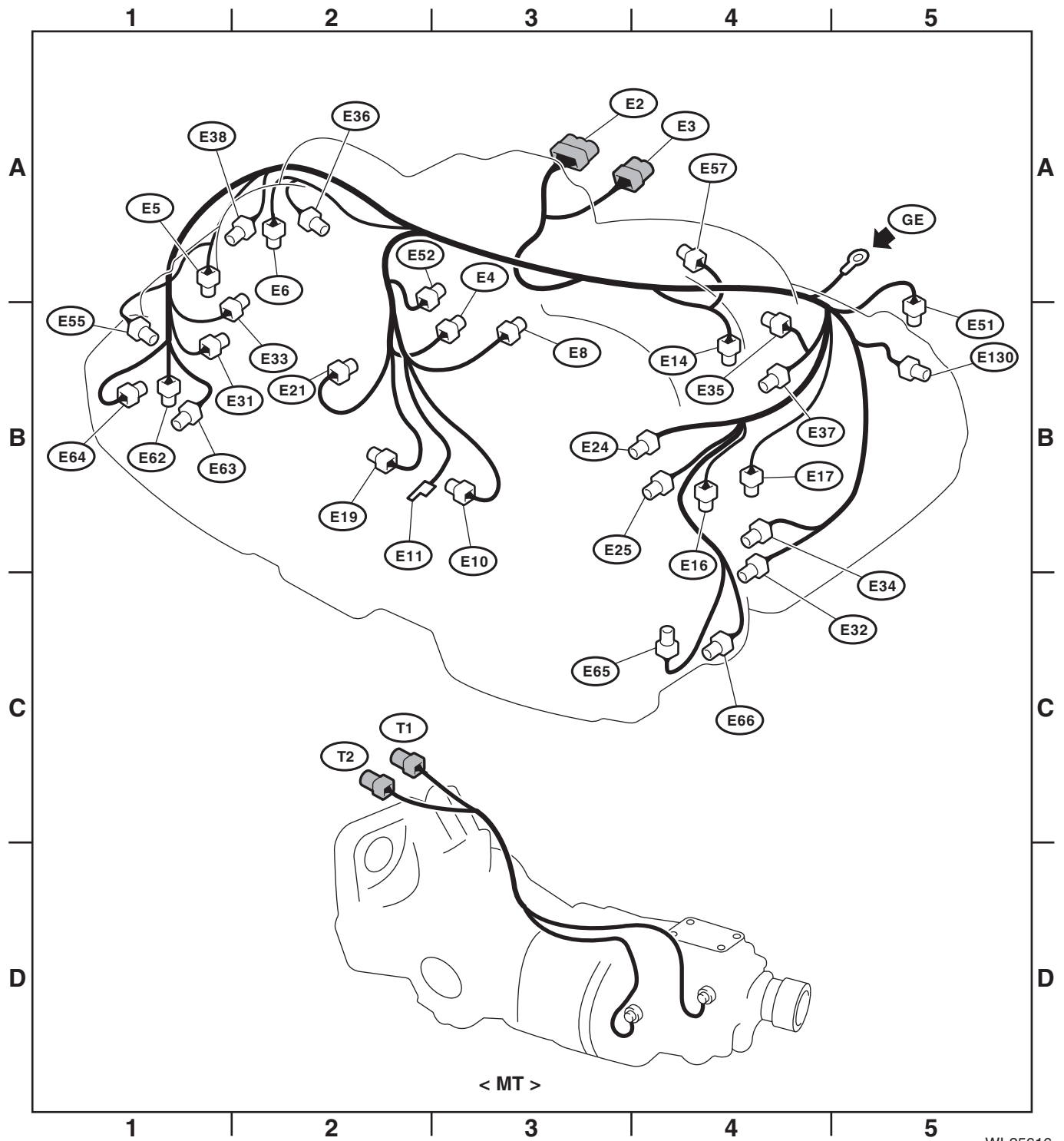
★ : White or natural color

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
T1	2	★	C-2	B24	Bulkhead wiring harness
T2	2	Brown	C-2	B25	

★ : White or natural color

Engine Wiring Harness and Transmission Cord

WIRING SYSTEM



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WIRING SYSTEM

3. 3.6 L MODEL

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
E2	54	Black	A-3	B21	Bulkhead wiring harness
E3	16	Brown	D-2	B22	
E4	2	Blue	A-2		Purge control solenoid valve
E5	2	Dark gray	A-2		Fuel injector No. 1
E6	2	Dark gray	A-2		Fuel injector No. 3
E8	2	Brown	B-4		Engine coolant temperature sensor
E10	2	Light gray	B-4		Crankshaft position sensor
E11	1	★	B-1		Oil pressure switch
E14	2	Blue	B-2		Knock sensor 1
E16	2	Dark gray	B-4		Fuel injector No. 2
E17	2	Dark gray	B-4		Fuel injector No. 4
E18	6	Dark gray	B-3		EGR valve
E19	1	★	B-2		Power steering oil pressure switch
E21	3	Black	A-3		Manifold absolute pressure sensor
E24	4	Light gray	D-3		Front oxygen (A/F) sensor LH
E25	4	Dark gray	D-3		Rear oxygen sensor LH
E31	3	Gray	B-1		Ignition coil No. 1
E32	3	Gray	C-4		Ignition coil No. 2
E33	3	Gray	B-2		Ignition coil No. 3
E34	3	Gray	B-4		Ignition coil No. 4
E35	3	Black	B-5		Intake camshaft position sensor LH
E36	3	Black	A-2		Intake camshaft position sensor RH
E37	2	Black	B-4		Intake oil flow control solenoid valve LH
E38	2	Black	B-1		Intake oil flow control solenoid valve RH
E43	2	Dark gray	A-2		Fuel injector No. 5
E44	2	Dark gray	B-5		Fuel injector No. 6
E45	3	Gray	B-2		Ignition coil No. 5
E46	3	Gray	B-5		Ignition coil No. 6
E47	4	Light gray	C-2		Front oxygen (A/F) sensor RH
E48	2	Blue	A-4		Knock sensor 2
E57	6	Black	A-3		Electronic throttle control
E61	4	Dark gray	C-2		Rear oxygen sensor RH
E62	3	Gray	B-1		Exhaust camshaft position sensor RH
E63	2	Blue	B-1		Exhaust oil flow control solenoid valve RH
E65	3	Gray	C-4		Exhaust camshaft position sensor LH
E66	2	Blue	C-4		Exhaust oil flow control solenoid valve LH
E75	2	Black	B-4		Oil temperature sensor
E76	10	Dark gray	A-3	E77	Engine wiring harness
E77	10	Gray	A-3	E76	
E130	1	★	C-4		Oil level switch

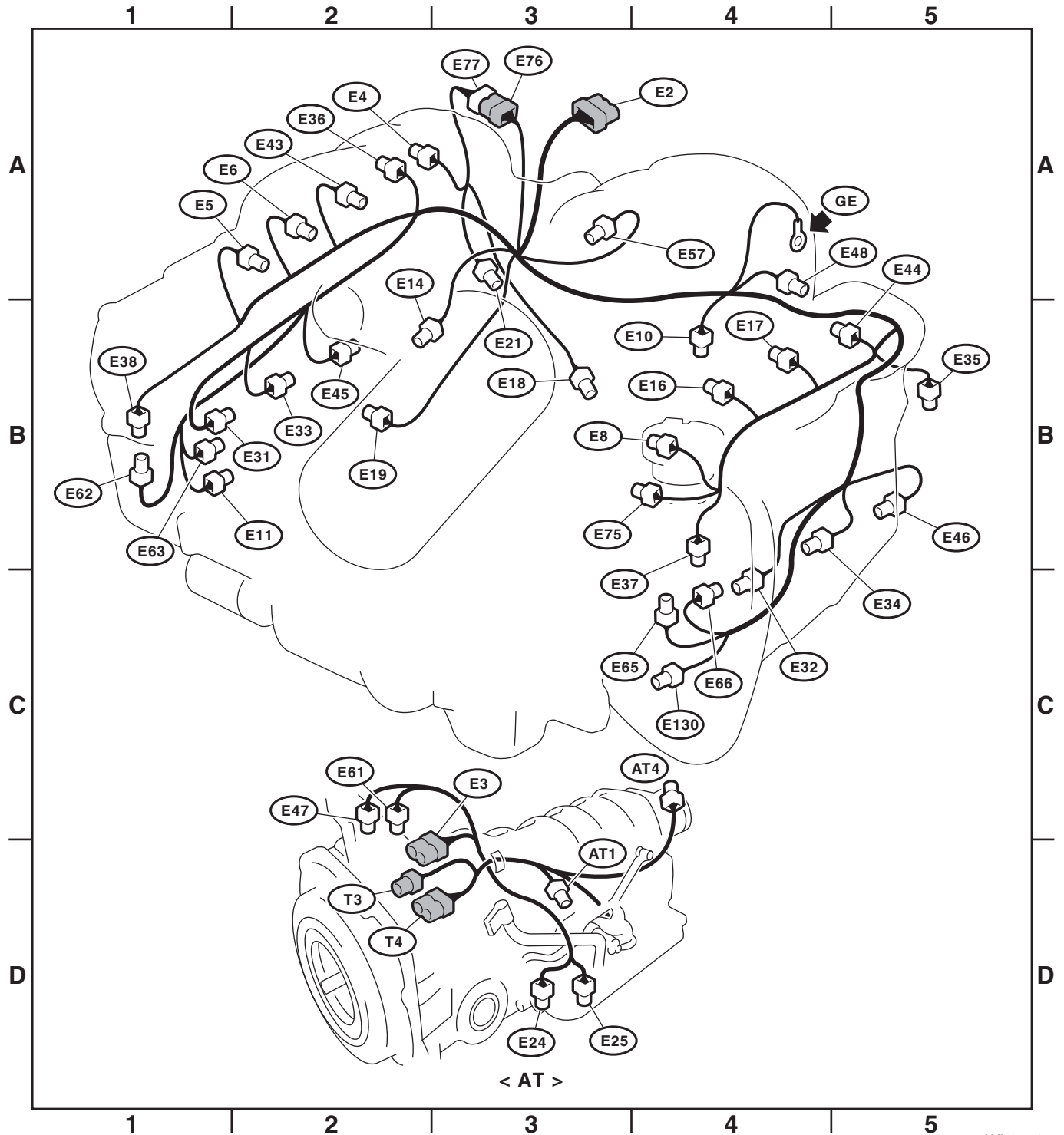
★ : White or natural color

Engine Wiring Harness and Transmission Cord

WIRING SYSTEM

• AT model

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
T3	8	Light gray	D-2	B12	Bulkhead wiring harness
T4	20	Gray	D-2	B11	
AT1	3	Black	D-3		Turbine speed sensor 1
AT4	3	Black	C-4		Rear vehicle speed sensor



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