

## 53.Engine Wiring Harness and Transmission Cord

### A: LOCATION

#### 1. 2.5 L NON-TURBO MODEL

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
E1	16	Brown	A-3	B20	Bulkhead wiring harness
E2	54	Black	A-3	B21	
E4	2	Black	A-2		CPC Solenoid
E5	2	Light gray	B-1		Fuel injector No. 1
E6	2	Light gray	A-2		Fuel injector No. 3
E8	2	Black	B-2		Engine coolant temperature sensor and thermometer
E10	2	Light gray	B-3		Crankshaft position sensor
E11	1	★	B-2		Oil pressure switch
E12	4	Dark gray	A-2		Ignition coil & Ignitor ASSY
E14	2	Brown	A-4		Knock sensor
E15	2	Gray	B-4		Camshaft position sensor
E16	2	Light gray	B-4		Fuel injector No. 2
E17	2	Light gray	B-4		Fuel injector No. 4
E19	1	★	B-2		Power steering oil pressure switch
E20	2	Black	A-3		Intake air temperature sensor
E21	3	Gray	A-3		Manifold absolute pressure sensor
E24	4	Gray	B-2		Front oxygen (A/F) sensor
E78	6	Black	A-3		ETB

★: Non-colored

#### • AT model

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
T3	12	★	D-4	B12	Bulkhead wiring harness
T4	20	Black	D-4	B11	
T5	4	Green	C-3	B19	
T6	4	Dark gray	D-5		Rear oxygen sensor
T7	12	★	D-4		Inhibitor switch

★: Non-colored

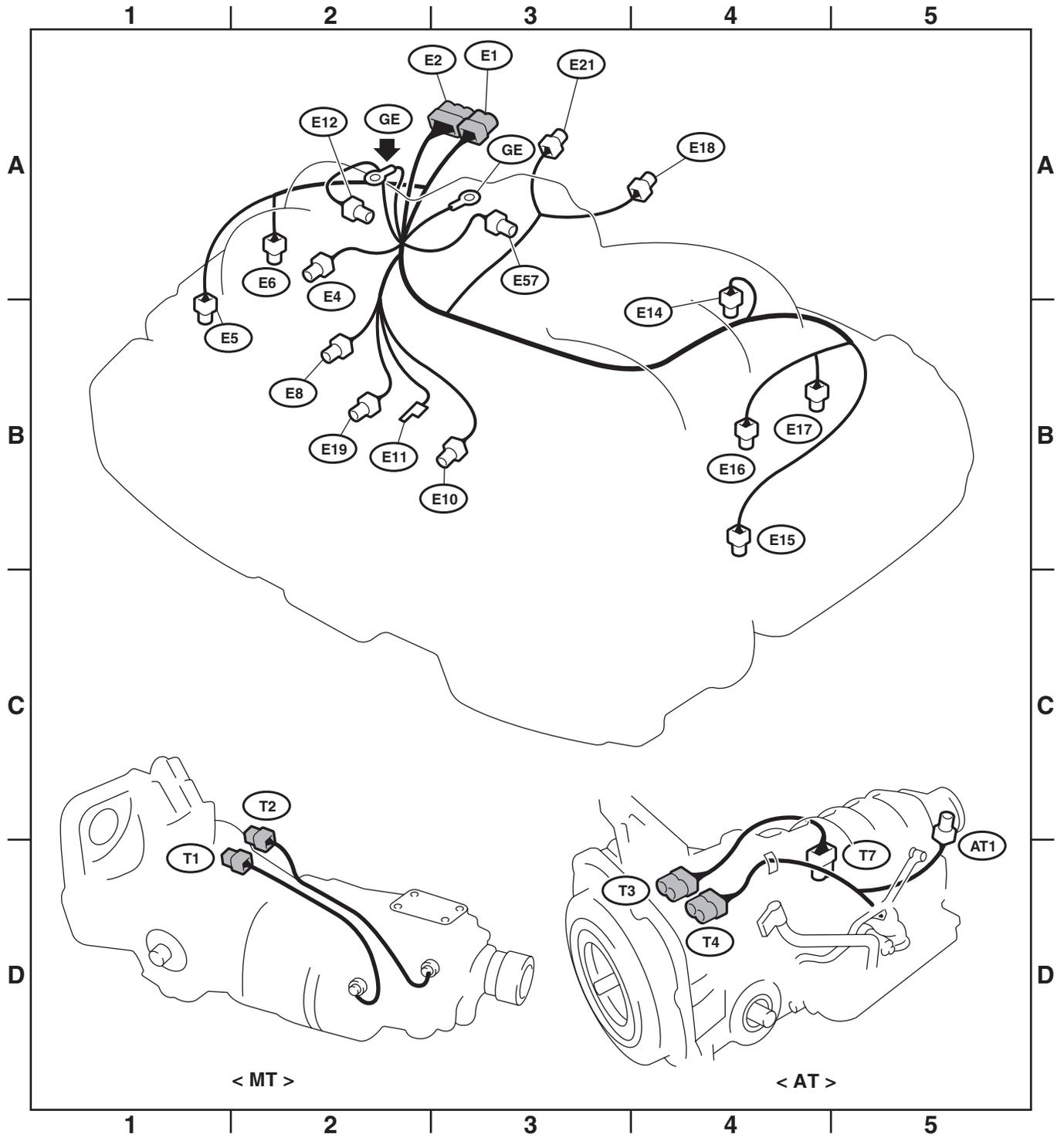
#### • MT model

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
T1	2	Gray	D-2	B24	Bulkhead wiring harness
T2	2	Brown	C-2	B25	
T5	4	Gray	C-1	B19	
T6	4	Gray	D-2		Rear oxygen sensor

★: Non-colored

# Engine Wiring Harness and Transmission Cord

WIRING SYSTEM



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# Engine Wiring Harness and Transmission Cord

WIRING SYSTEM

## 2. 2.5 L NON-TURBO (U5) MODEL

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
E1	16	Brown	A-3	B20	Bulkhead wiring harness
E2	54	Black	A-3	B21	
E4	2	Black	A-2		CPC Solenoid
E5	2	Light gray	B-1		Fuel injector No. 1
E6	2	Light gray	A-2		Fuel injector No. 3
E8	2	Black	B-2		Engine coolant temperature sensor and thermometer
E10	2	gray	B-3		Crankshaft position sensor
E11	1	★	B-2		Oil pressure switch
E12	4	Dark gray	A-2		Ignition coil & Ignitor ASSY
E14	2	Brown	A-4		Knock sensor
E15	2	Gray	B-4		Camshaft position sensor
E16	2	Light gray	B-4		Fuel injector No. 2
E17	2	Light gray	B-4		Fuel injector No. 4
E18	6	Dark gray	B-4		EGR valve
E19	1	★	B-2		Power steering oil pressure switch
E21	3	Black	A-3		Manifold absolute pressure sensor
E24	6	Gray	B-2		Front oxygen (A/F) sensor
E50	3	Black	A-4		TGV angle sensor LH
E51	2	Black	B-3		TGV LH
E54	3	Black	A-3		TGV angle sensor RH
E55	2	Black	B-1		TGV RH
E57	6	Black	A-3		Electronic throttle control

★: Non-colored

### • AT model

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
T3	12	★	D-4	B12	Bulkhead wiring harness
T4	20	Black	D-4	B11	
T5	4	Green	C-3	B19	
T6	4	Dark gray	D-5		Rear oxygen sensor
T7	12	★	D-4		Inhibitor switch

★: Non-colored

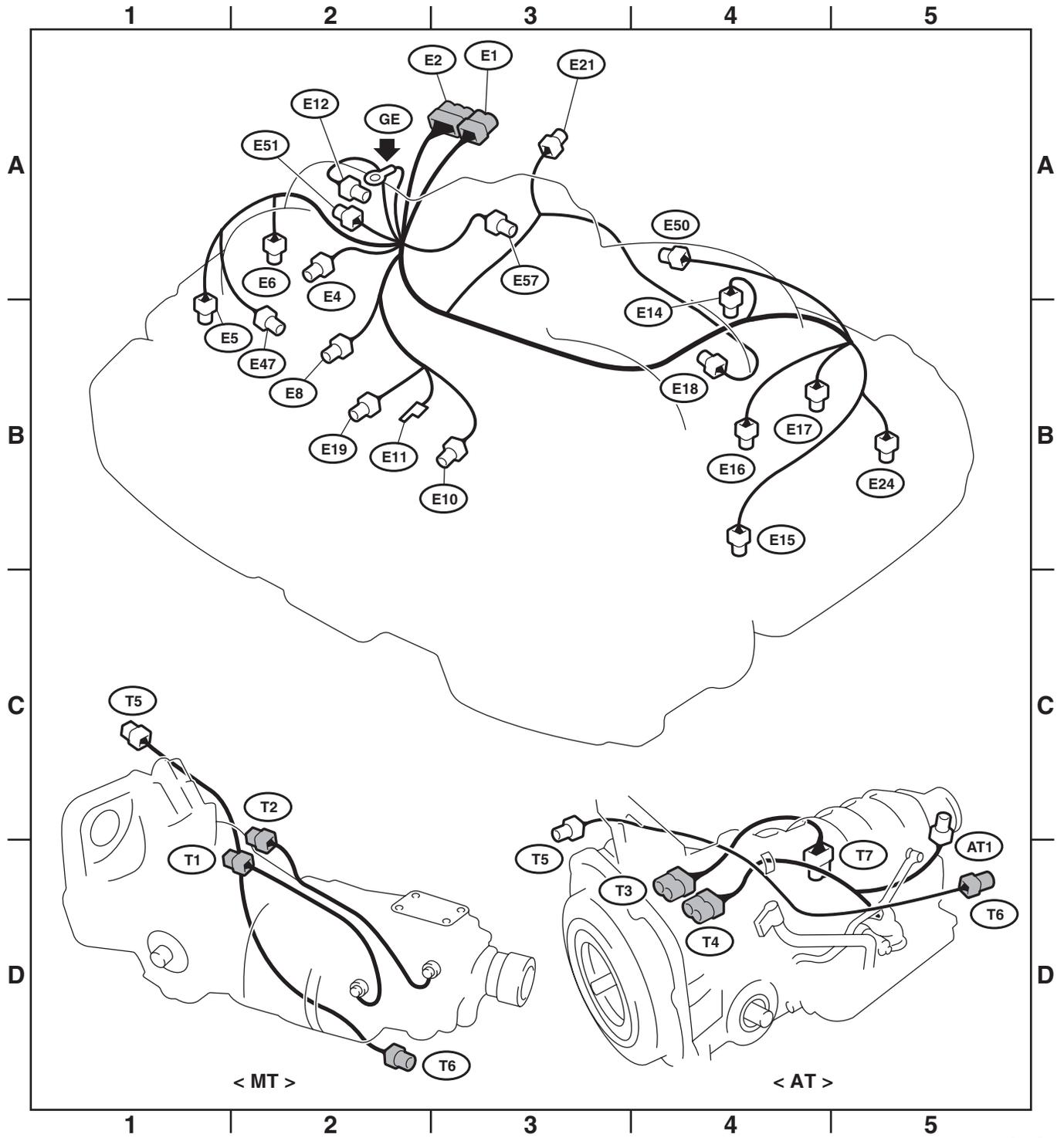
### • MT model

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
T1	2	Gray	D-2	B24	Bulkhead wiring harness
T2	2	Brown	C-2	B25	
T5	4	Gray	C-1	B19	
T6	4	Gray	D-2		Rear oxygen sensor

★: Non-colored

# Engine Wiring Harness and Transmission Cord

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# Engine Wiring Harness and Transmission Cord

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## 3. TURBO MODEL

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
E1	16	Brown	A-2	B20	Bulkhead wiring harness
E2	54	Black	B-5	B21	
E4	2	Black	B-2		CPC Solenoid
E5	2	Light gray	B-1		Fuel injector No. 1
E6	2	Black	A-1		Fuel injector No. 3
E8	2	Black	B-2		Engine coolant temperature sensor and thermometer
E10	2	Light gray	B-3		Crankshaft position sensor
E11	1	★	B-2		Oil pressure switch
E14	2	Brown	A-3		Knock sensor
E16	2	Light gray	B-4		Fuel injector No. 2
E17	2	Black	B-4		Fuel injector No. 4
E19	1	★	B-2		Power steering oil pressure switch
E21	3	Black	A-3		Manifold absolute pressure sensor
E31	3	★	B-2		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-4		Ignition coil No. 4
E35	3	Light gray	A-4		Intake camshaft position sensor LH
E36	3	Light gray	A-2		Intake camshaft position sensor RH
E37	2	Blue	B-4		Intake oil flow control solenoid valve LH
E38	2	Blue	B-1		Intake oil flow control solenoid valve RH
E57	6	Black	A-3		Electronic throttle control
E62	2	Light gray	B-2		Exhaust camshaft position sensor RH
E63	2	Blue	B-2		Exhaust oil flow control solenoid valve RH
E64	2	Blue	A-3		Wastegate control solenoid
E65	2	Light gray	B-4		Exhaust camshaft position sensor LH
E66	2	Blue	B-4		Exhaust oil flow control solenoid valve LH

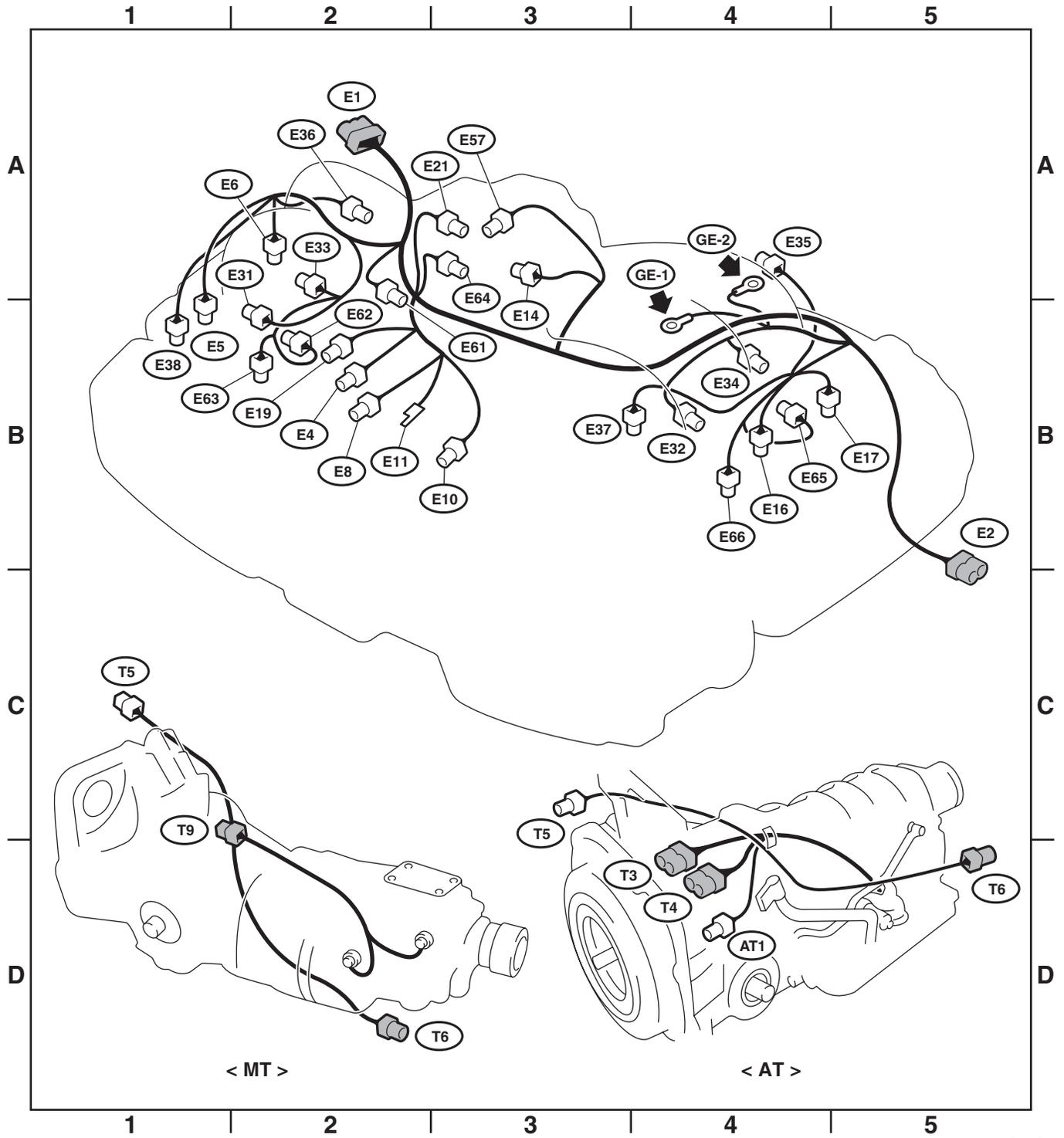
★: Non-colored

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
T3	8	★	D-3	B12	Bulkhead wiring harness
T4	20	Gray	D-3	B11	
T5	4	Gray	D-2	B19	
T6	4	Gray	D-4		Rear oxygen sensor
T7	12	★	D-3		Inhibitor switch

★: Non-colored

# Engine Wiring Harness and Transmission Cord

WIRING SYSTEM



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# Engine Wiring Harness and Transmission Cord

WIRING SYSTEM

## 4. 3.0 L MODEL

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
E1	16	Brown	A-3	B20	Bulkhead wiring harness
E2	54	Black	A-3	B21	
E3	16	★	A-3	B22	
E4	2	Blue	A-2		CPC Solenoid
E5	2	Dark gray	A-2		Fuel injector No. 1
E6	2	Dark gray	A-2		Fuel injector No. 3
E8	2	Black	B-4		Engine coolant temperature sensor
E10	2	Light gray	B-4		Crankshaft position sensor
E11	1	★	B-1		Oil pressure switch
E14	2	Green	A-3		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	A-3		EGR valve
E19	1	★	B-3		Power steering oil pressure switch
E24	4	Black	C-3		Front oxygen (A/F) sensor LH
E25	4	Dark gray	B-4		Rear oxygen sensor LH
E28	3	Black	A-3		Intake manifold pressure sensor
E31	3	Black	B-1		Ignition coil No. 1
E32	3	Black	C-4		Ignition coil No. 2
E33	3	★	B-2		Ignition coil No. 3
E34	3	★	B-4		Ignition coil No. 4
E43	2	Dark gray	A-2		Fuel injector No. 5
E44	2	Dark gray	B-5		Fuel injector No. 6
E45	3	Black	B-2		Ignition coil No. 5
E46	3	Black	B-5		Ignition coil No. 6
E47	4	Black	B-2		Front oxygen (A/F) sensor RH
E48	2	Green	A-4		Knock sensor 2
E57	6	Black	A-3		Electronic throttle control
E61	4	Dark gray	B-3		Rear oxygen sensor RH
E67	2	Blue	B-1		Intake oil flow control solenoid valve RH
E68	2	Blue	C-4		Intake oil flow control solenoid valve LH
E69	2	Blue	A-2		Oil switching solenoid valve RH
E70	2	Blue	B-5		Oil switching solenoid valve LH
E71	1	★	A-3		Variable valve lift diagnosis oil pressure switch RH
E72	1	★	B-5		Variable valve lift diagnosis oil pressure switch LH
E73	3	Gray	A-2		Camshaft position sensor RH
E74	3	Gray	B-5		Camshaft position sensor LH
E75	2	Black	B-5		Oil temperature sensor
E76	10	Dark gray	A-3	E77	Engine wiring harness
E77	10	Gray	A-3	E76	

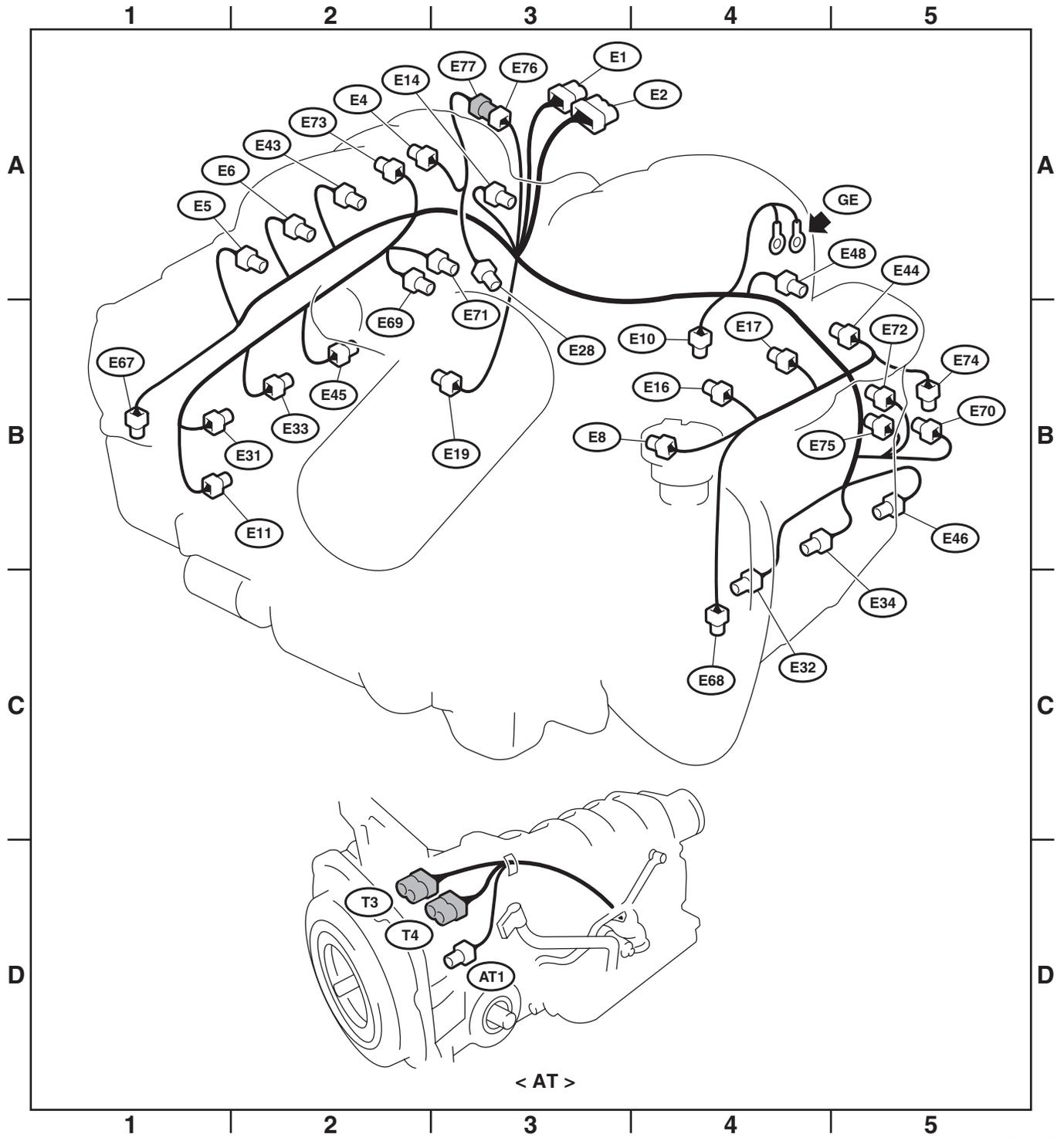
★: Non-colored

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
T3	12	★	D-2	B12	Bulkhead wiring harness
T4	20	Black	D-3	B11	
T7	12	★	D-3		Inhibitor switch

★: Non-colored

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WIRING SYSTEM



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