

57.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-3	B21	Bulkhead wiring harness
E4	2	Black	A-2		Purge control solenoid valve
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
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 assembly
E14	2	Gray	B-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 solenoid valve
E19	1	★	B-2		Power steering oil pressure switch
E21	3	Black	A-3		Manifold absolute pressure sensor
E22	6	Dark gray	A-1		Front oxygen (A/F) sensor
E23	4	Dark gray	A-1		Rear oxygen sensor
E57	6	Black	A-3		Electronic throttle
E61	2	Dark gray	A-4		PCV diagnosis connector
E67	2	Blue	A-2		Oil switching solenoid valve RH
E68	2	Blue	B-5		Oil switching solenoid valve LH
E71	1	Gray	A-3		Variable valve lift diagnosis oil pressure switch RH
E72	1	Gray	B-5		Variable valve lift diagnosis oil pressure switch LH
E75	2	Black	A-3		Oil temperature sensor
★ : White or natural color					

MT model

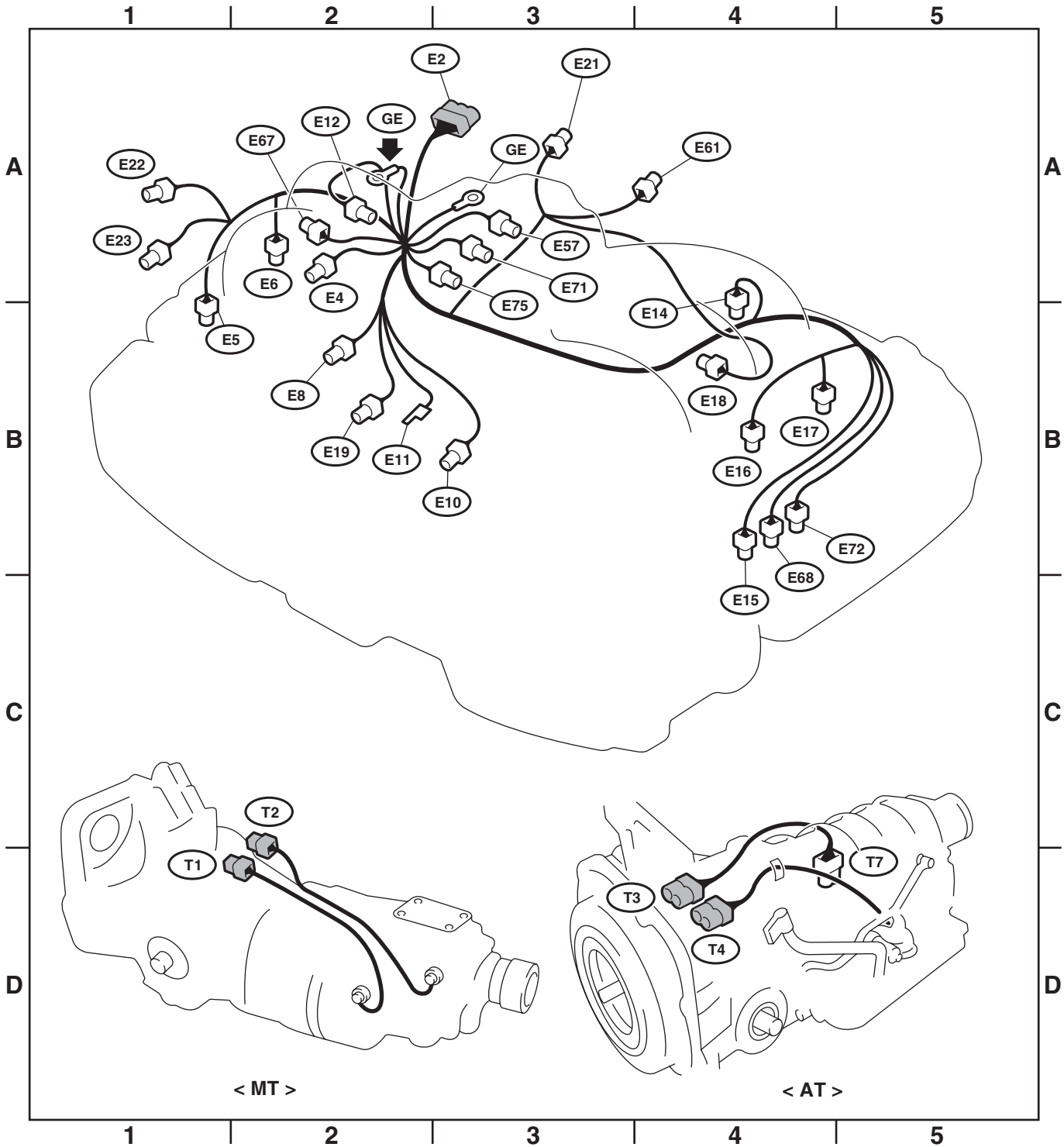
Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
T1	2	Gray	D-2	B24	Bulkhead wiring harness
T2	2	Brown	D-2	B25	

Engine Wiring Harness and Transmission Cord

WIRING SYSTEM

AT 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	12	Black	D-5		Inhibitor switch



WI-13305

Engine Wiring Harness and Transmission Cord

WIRING SYSTEM

2. TURBO MODEL

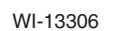
Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
E2	54	Black	A-2	B21	Bulkhead wiring harness
E4	2	Black	B-2		Purge control solenoid valve 1
E5	2	Dark gray	B-2		Fuel injector No. 1
E6	2	Dark gray	B-1		Fuel injector No. 3
E8	2	Black	B-2		Engine coolant temperature sensor
E10	2	Light gray	B-3		Crankshaft position sensor
E11	1	—	B-2		Oil pressure switch
E14	2	Light gray	B-3		Knock sensor
E16	2	Dark gray	B-4		Fuel injector No. 2
E17	2	Dark gray	B-5		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		Camshaft position sensor LH
E36	3	Light gray	A-2		Camshaft position sensor RH
E37	2	Blue	B-3		Oil flow control solenoid valve LH
E38	2	Blue	B-1		Oil flow control solenoid valve RH
E40	2	Black	B-4		Secondary air combination valve LH
E41	6	Black	B-2		Secondary air combination valve RH
E51	5	Light gray	B-4		TGV LH
E52	2	Black	A-3		Purge control solenoid valve 2
E55	5	Light gray	A-1		TGV RH
E57	6	Black	A-3		Electronic throttle
E64	2	Blue	A-3		Wastegate control solenoid
E80	2	Dark gray	B-2		Leak diagnosis connector
★ : White or natural color					

MT model

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
T1	2	Gray	D-2	T13	Transmission harness (5MT model)
		★	D-2	T13	Transmission harness (6MT model)
T2	2	Brown	D-2	T12	Transmission harness (5MT model)
		Black	D-2	T12	Transmission harness (6MT model)
T5	4	Green	C-1	B19	Bulkhead wiring harness
T6	4	Dark gray	D-2		Rear oxygen sensor
T9	4	Gray	C-1	B128	Bulkhead wiring harness
T12	2	Brown	D-2		Neutral position switch (5MT model)
		Black			Neutral position switch (6MT model)
T13	2	Gray	D-2		Back-up light switch (5MT model)
		★			Back-up light switch (6MT model)
★ : White or natural color					

WIRING SYSTEM

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
T3	8	Black	D-4	B12	Bulkhead wiring harness
T4	20	Gray	D-4	B11	
T5	4	Green	C-3	B19	
T6	4	Dark gray	D-5		Rear oxygen sensor



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WIRING SYSTEM

3. 3.0 L MODEL

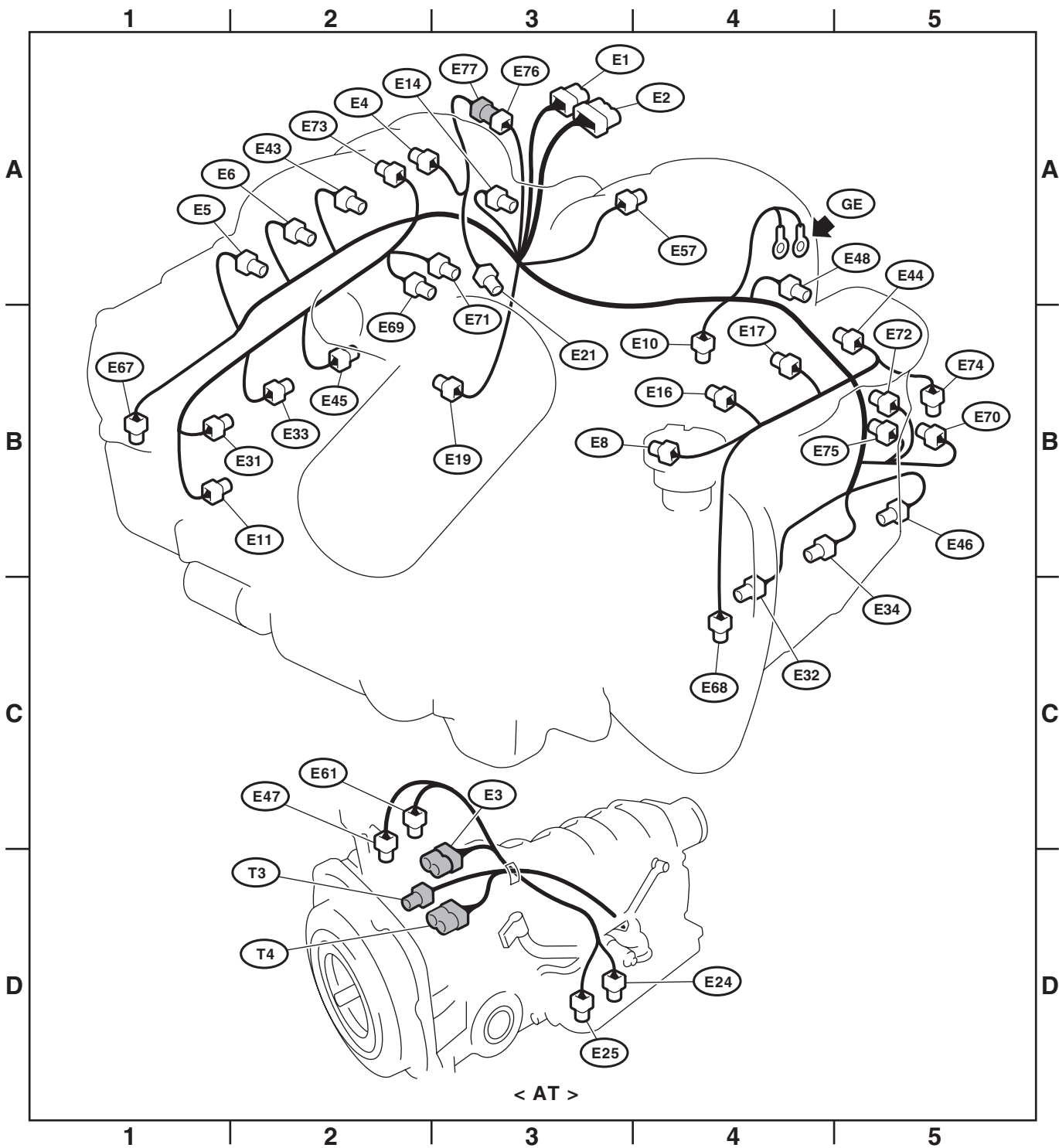
Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
E1	16	Brown	A-3	B20	Bulkhead wiring harness
E2	54	Black	A-3	B21	
E3	16	Brown	D-3	B22	
E4	2	Blue	A-2		Purge control solenoid valve
E5	2	Dark gray	A-2		Fuel injector No. 1
E6	2	Dark gray	A-2		Fuel injector No. 3
E8	2	Black	B-4		Engine coolant temperature sensor
E10	2	Light gray	B-4		Crankshaft position sensor
E11	1	—	B-2		Oil pressure switch
E14	2	Blue	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
E19	1	★	B-3		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	Black	B-2		Ignition coil No. 1
E32	3	Black	C-4		Ignition coil No. 2
E33	3	★	B-2		Ignition coil No. 3
E34	3	★	B-5		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	Light gray	D-2		Front oxygen (A/F) sensor RH
E48	2	Blue	A-5		Knock sensor 2
E57	6	Black	A-4		Electronic throttle
E61	4	Dark gray	C-2		Rear oxygen sensor RH
E67	2	Black	B-1		Oil flow control solenoid valve RH
E68	2	Black	C-4		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	6	Dark gray	A-3	E77	Engine wiring harness
E77	6	Dark gray	A-3	E76	

★ : White or natural color

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
T3	8	Brown	D-2	B12	Bulkhead wiring harness
T4	20	Gray	D-2	B11	

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WIRING SYSTEM



WI-13307