



Training Manual

Mazda3 Facelift

FL-005



ZOOM-ZOOM

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General Information

Technical Data

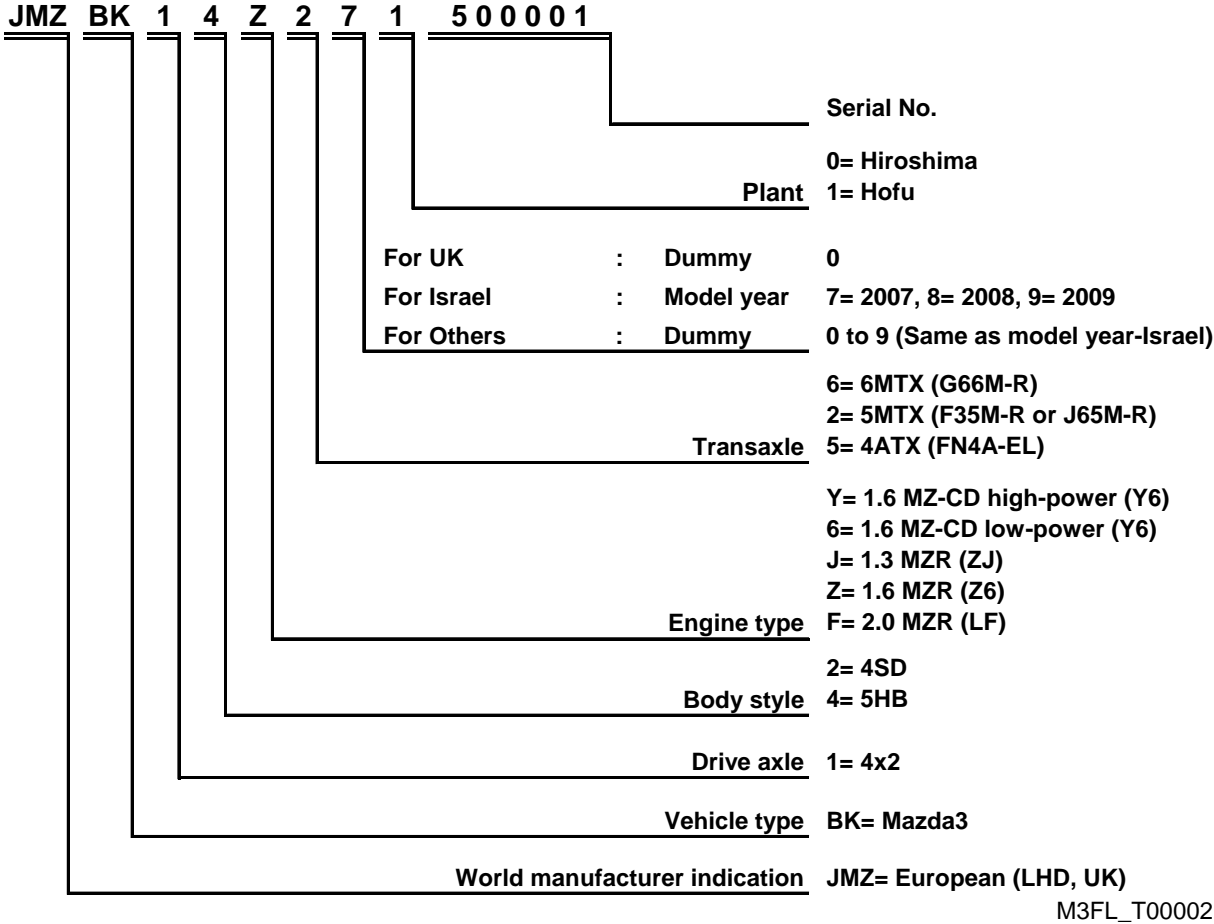
Item	1.3 MZR (ZJ) Engine	1.6 MZR (Z6) Engine	2.0 MZR (LF) Engine
Displacement	1,349 cm ³	1,598 cm ³	1,999 cm ³
Bore x stroke	74.0 x 78.4 mm	78.0 x 83.6 mm	87.5 x 83.1 mm
Compression ratio	10.0 : 1	10.0 : 1	10.8 : 1
Max. power	62 kW (84 PS) at 6000 min ⁻¹	77 kW (105 PS) at 6000 min ⁻¹	110 kW (150 PS) at 6500 min ⁻¹
Max. torque	122 Nm at 4000 min ⁻¹	145 Nm at 4000 min ⁻¹	187 Nm at 4000 min ⁻¹
Emission standard	Euro 4	Euro 4	Euro 4
Transmission	5-speed manual (F35M-R)	5-speed manual (F35M-R) or 4-speed automatic (FN4A-EL)	6-speed manual (G66M-R)

Item	1.6 MZ-CD (Y6) Low-power Engine	1.6 MZ-CD (Y6) High-power Engine
Displacement	1,560 cm ³	1,560 cm ³
Bore x stroke	75.0 x 88.3 mm	75.0 x 88.3 mm
Compression ratio	18.3 : 1	18.3 : 1
Max. power	66 kW (90 PS) at 4000 min ⁻¹	80 kW (109 PS) at 4000 min ⁻¹
Max. torque	215 Nm at 1750 min ⁻¹	240 Nm at 1750 min ⁻¹
Emission standard	Euro 4	Euro 4
Transmission	5-speed manual (J65M-R)	5-speed manual (J65M-R)

M3FL_T00001

Vehicle Identification Number

- The VIN (Vehicle Identification Number) key is as shown below.



M3FL_T00002

General Information

Scheduled Maintenance

Maintenance Item	Number of months or kilometers (miles), whichever comes first									
	Months	12	24	36	48	60	72	84	96	108
	x 1000 km	20	40	60	80	100	120	140	160	180
	x 1000 miles	12.5	25	37.5	50	62.5	75	87.5	100	112.5
GASOLINE ENGINE										
Engine valve clearance	Audible inspect every 120,000 km (75,000 miles), if noisy, adjust									
Drive belts*1			I				I			I
Idle speed (ZJ, Z6)		I		I		I		I		I
Spark plugs*2	Iridium type	Replace every 120,000 km (75,000 miles)								
	except Iridium type			R			R			R
Air cleaner element*3	ZJ, Z6	C	C	R	C	C	R	C	C	R
	LF			R			R			R
Evaporative system (if installed)				I			I			I
DIESEL ENGINE										
Drive belts*1		I	I	I	I	I	I	I	I	I
Engine timing belt*4	Replace every 240,000 km (150,000 miles) or 10 years									
Radiator cap			I		I		I		I	
Fuel system (Drain water)	D	D	D	D	D	D	D	D	D	D
Fuel filter				R			R			R
Air cleaner element*3				R			R			R
Diesel particulate filter (DPF) (if installed)	Replace every 120,000 km (75,000 miles)									
Fuel additive for DPF	Refill every 60,000 km (37,500 miles)									
GASOLINE and DIESEL ENGINE										
Engine oil*5	R	R	R	R	R	R	R	R	R	R
Engine oil filter*5	R	R	R	R	R	R	R	R	R	R
Cooling system			I		I		I		I	
Engine coolant	FL22 type*6	Replace every 200,000 km (125,000 miles) or 11 years								
	Others	Replace first at 100,000 km (62,500 miles) or 4 years; after that every 2 years								
Fuel lines and hoses			I		I		I		I	
Battery electrolyte level and specific gravity		I	I	I	I	I	I	I	I	I
Brake lines, hoses and connections		I	I	I	I	I	I	I	I	I
Brake fluid*7			R		R		R		R	
Parking brake		I	I	I	I	I	I	I	I	I
Disc brakes		I	I	I	I	I	I	I	I	I
Steering operation and linkages			I		I		I		I	
Front and rear suspension, ball joints and wheel bearing axial play			I		I		I		I	
Power steering fluid, lines, hoses and connections		I	I	I	I	I	I	I	I	I
Manual transaxle oil (for gasoline)						R				
Manual transaxle oil (for diesel)		I	I	I	I	I	I	I	I	I
Automatic transaxle fluid level			I				I			I
Drive shaft dust boots			I		I		I		I	
Bolts and nuts on chassis and body			T		T		T		T	
Body condition (for rust, corrosion and perforation)	Inspect annually									
Exhaust system and heat shields	Inspect every 80,000 km (50,000 miles) or 5 years									
Tires (including spare tire) (with inflation pressure adjustment)		I	I	I	I	I	I	I	I	I
Cabin air filter (If installed)			R		R		R		R	

M3FL_T00003

I : Inspect and repair, clean, adjust, or replace if necessary.

R : Replace

C : Clean

D : Drain

T : Tighten