

2009 MITSUBISHI LANCER

TECHNICAL AND MECHANICAL SPECIFICATIONS

FINAL

as of 2/5/08

ENGINE	DE	ES	GTS	RALLIART
Engine Type	2.0L I4		2.4L I4	2.0L TURBO
Engine Code	4B11		4B12	4B11T
Valve Train	DOHC, 16-valve, Mitsubishi Innovative Valve-timing Electronic Control system (MIVEC)			
Displacement (cu in./cc)	122/1998		144/2360	122/1998
Bore x Stroke (in./mm)	3.4 x 3.4/86.0 x 86.0		3.5x3.8/88 x 97	3.4 x 3.4/86.0 x 86.0
Compression Ratio	10:1		10.5:1	9:1
Horsepower @ RPM (BHP) (Fed./Cal.)	152/143 @ 6000		168@6000	237@6000
Torque @ RPM (lb.-ft.) (Fed./Cal.)	146/143 lb.-ft. @ 4250		167 lb.-ft. @4100	253@3000
Engine Block	Aluminum			
Cylinder Heads	Aluminum			
Redline RPM	6500			
Fuel System	MPI			
Emissions	Fed: Tier 2 bin 5 / Calif.: PZEV		Tier 2 bin 5 LEV II-LEV	
Recommended Fuel	Regular Unleaded, 87 octane min.			Premium Unleaded, 91 octane min.
Radiator Core size (mm)	700x409x16			700x409x27
Engine Oil Type	5W-20			5W-30
Engine Oil Capacity (qt./l)	4.2/4.0		4.5/4.3	5.9/5.6
TRANSMISSION	DE	ES	GTS	RALLIART
Type	5-speed manual			
Manual Ratios	1 st	3.538	3.538	-
	2 nd	1.913	1.913	-
	3 rd	1.333	1.333	-
	4 th	0.972	0.972	-
	5 th	0.775	0.775	-
	Reverse	3.583	3.583	-
	Final Drive	4.235	4.235	-
Type	CVT automatic with INVEC-III			
CVT Automatic Ratios	Continuously variable between 2.349 - 0.394			-
Sportronic® CVT Mode			Sportronic® CVT	-
	1 st	-	2.349	-
	2 nd	-	1.517	-
	3 rd	-	1.074	-
	4 th	-	0.832	-
	5 th	-	0.631	-
	6 th	-	0.518	-
	Reverse	1.750	-	-
	Final Drive	6.120	-	-
Type	Twin-Clutch SST			
Twin Clutch SST Ratios	-			-
Sportronic® Ratios	-	-	-	Sportronic® SST
	1 st	-	-	3.655
	2 nd	-	-	2.368
	3 rd	-	-	1.754
	4 th	-	-	1.322
	5 th	-	-	0.983
	6 th	-	-	0.731
	Reverse	-	-	4.011
	Final Drive	-	-	4.062

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SUSPENSION	DE	ES	GTS	RALLIART
Front	MacPherson Strut			
Front Stabilizer Bar Diameter (mm)	20		21	22
Rear	Multi-link			
Rear Stabilizer Bar Diameter (mm)	-	18	20	
EXTERIOR DIMENSIONS	DE	ES	GTS	RALLIART
Wheelbase (in./mm)	103.7/2635			
Length (in./mm)	180.0/4570			
Width (in./mm)	69.4/1760			
Height (in./mm)	58.7/1490			
Track, Front (in./mm)	60.2/1530			
Track, Rear (in./mm)	60.2/1530			
Min. Ground Clearance (in./mm)	5.9/150			
INTERIOR DIMENSIONS	DE	ES	GTS	RALLIART
Passenger Seating Capacity	5			
Interior Volume (cu. ft) [w/sunroof]	105.8 [103.8]			103.5[101.1]
Passenger Volume (cu. ft.) [w/sunroof]	93.5 [92.0]			
Cargo volume (cu ft) [w/subwoofer]	12.3 [11.8]			10.0[9.1]
PASSENGER SPACE	DE	ES	GTS	RALLIART
Front Head Room (in./mm) [w/sunroof]	39.6/1005 [38.5/980]			
Front Shoulder Room (in./mm)	54.7/1390			
Front Hip Room (in./mm)	53.3/1355			
Front Leg Room (in./mm)	42.2/1070			
Rear Head Room (in./mm) [w/sunroof]	36.9/935 [36.9/935]			
Rear Shoulder Room (in./mm)	54.3/1380			
Rear Hip Room (in./mm)	54.1/1375			
Rear Leg Room (in./mm)	36.1/915			
WEIGHTS	DE	ES	GTS	RALLIART
GVWR (lbs/kg)	4079/1850			4388/1990
Curb Weight (lbs/kg) MT [CVT/SST]	2922/1325 [2999/1360]	2944/1335 [3021/1370]	3043/1380 [3120/1415]	[3462/1570]
Weight Distribution (% f/r) MT [CVT/SST]	60/40 [61/39]	60/40 [61/39]	59/41 [60/40]	[60/40]
STEERING	DE	ES	GTS	RALLIART
Type	Rack-and-pinion, Hydraulic Power Assist			
Ratio	15.21			
Turn Circle – Curb to Curb (ft/m)	32.8/10.0			
Turns – Lock to Lock	3.16			
BRAKES	DE	ES	GTS	RALLIART
Front Brake Type	Ventilated disc			
Front Brake Diameter (in/m)	10.9/276		11.6/294	
Rear Brake Type	Drum	Solid disc		
Rear Brake Diameter (in/m)	8.0/203	10.3/262	11.9/302	
Anti-Lock Brakes	4 sensor, 4 channel with EBD (Opt. DE Std. ES/GTS/RA)			
Swept Area – front (sq in)	211		230	224
Swept Area – rear (sq in)	59	140	194	
Total Swept Area (sq in)	270	351	424	418
ELECTRICAL	DE	ES	GTS	RALLIART
Battery	75D23L			
Alternator (Amps)	120A			
FUEL CAPACITY	DE	ES	GTS	RALLIART
Fuel Tank Capacity (gal./l)	15.3 / 59			14.5 / 55
EPA ESTIMATED FUEL ECONOMY *	DE	ES	GTS	RALLIART
5MT City/Highway (mpg)	22/30		21/28	-

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CVT/ [TC-SST] City/Highway (mpg)	22/28		21/27	[TBD]
Combined (mpg)	24 (MT) \ 25 (CVT)		23 (MT) \ 23 (CVT)	[TBD]
WHEELS & TIRES	DE	ES	GTS	RALLIART
Wheel Type	Steel	Aluminum alloy		
Wheel Size	16 in.		18 in.	
Tire Size	P205/60R16		P215/45R18	215/45R18
Tire Type	Dunlop All-Season		Dunlop All-Season	Yokohama ADVAN Summer
Spare Tire	T125/70D96			T125/90D16
WARRANTIES	DE	ES	GTS	RALLIART
Basic	5 years or 60,000 miles			[TBD]
Powertrain	10 years or 100,000 miles			[TBD]
Anti-corrosion	7 years or 100,000 miles			[TBD]

Technical specifications are based on the latest information available at the time of printing and are subject to change without notice. Last Revised 02/05/08 * Based on a new calculation method indicated by EPA