



Technical Service Bulletin

SUBJECT:			No:	TSB-12-00-020
SPECIFIED COOLANT RECOMMENDATION UPDATE - SERVICE MANUAL REVISION			DATE:	October, 2012
			MODEL:	See Below
CIRCULATE TO:	<input type="checkbox"/> GENERAL MANAGER	<input type="checkbox"/> PARTS MANAGER	<input checked="" type="checkbox"/> TECHNICIAN	
<input checked="" type="checkbox"/> SERVICE ADVISOR	<input checked="" type="checkbox"/> SERVICE MANAGER	<input type="checkbox"/> WARRANTY PROCESSOR	<input type="checkbox"/> SALES MANAGER	

TSB Revision: TSB-12-00-020

PURPOSE

This Technical Service Bulletin revises the Recommended Lubricants & Lubricants Capacities Table located in the General section of the applicable service manuals.

AFFECTED VEHICLE

2011-2013 Lancer Evolution

AFFECTED SERVICE MANUAL

2011 Lancer Evolution, Group 00 – General: Recommended Lubricants & Lubricant Capacities Table
 2012 Lancer Evolution, Group 00 – General: Recommended Lubricants & Lubricant Capacities Table
 2013 Lancer Evolution, Group 00 – General: Recommended Lubricants & Lubricant Capacities Table

Continued

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Please make the indicated changes to the following:

2011 Lancer Evolution Service Manual, Group 00 – General: Recommended Lubricants & Lubricant Capacities Table

Methanol: **Do not use gasoline containing methanol (wood alcohol).** Using this type of alcohol can result in vehicle performance deterioration and damage critical parts in the fuel system components. Fuel system damage and performance problems resulting from the use of gasoline containing methanol may not be covered by the new vehicle warranty.

GASOLINE CONTAINING METHYL TERTIARY BUTYL ETHER (MTBE)

Unleaded gasoline containing 15% or less MTBE may be used in your vehicle. (Fuel containing MTBE over 15% in volume may cause reduced engine performance and produce vapor lock or hard starting.

MATERIALS ADDED TO FUEL

Indiscriminate use of fuel system cleaning agents should be avoided. Many of these materials intended for gum and varnish removal may contain highly active solvents or similar ingredients that can be harmful to gasket and diaphragm materials used in fuel system component parts.

RECOMMENDED LUBRICANTS AND LUBRICANT CAPACITIES TABLE

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RECOMMENDED LUBRICANTS

Lubricant		Specification	Remark
Engine oil		Engine oils displaying ILSAC certification symbol or conforming to the API classification SM	For further details, refer to "LUBRICANTS SELECTION" section.
<Deleted>			
Engine coolant		Long life antifreeze coolant or an equivalent	
Transaxle oil	Manual transaxle	DiaQueen NEW MULTI GEAR OIL API classification GL-3, SAE 75W-80	-
	Twin clutch-sportronic shift transmission	DiaQueen SSTF-I	-
Transfer oil		DiaQueen LSD gear oil	-
AWC control fluid	Vehicles with ACD (Including hydraulic pipe section)	DIAMOND ATF SP III	Control fluid for ACD/AYC Apply for Reservoir tank
	Vehicles with ACD/AYC (Including hydraulic pipe section)		
AYC differential gear oil (Differential mechanism part)		DiaQueen LSD gear oil	-
AYC differential gear oil (Torque transfer part)		DIAMOND ATF SP III	-
Power steering fluid		Genuine Mitsubishi Power Steering Fluid	-

**GENERAL
 RECOMMENDED LUBRICANTS AND LUBRICANT CAPACITIES TABLE**

Lubricant		Specification	Remark
AWC control fluid	Vehicles with ACD (Including hydraulic pipe section)	DIAMOND ATF SP III	Control fluid for ACD/AYC Apply for Reservoir tank
	Vehicles with ACD/AYC (Including hydraulic pipe section)		
AYC differential gear oil (Differential mechanism part)		DiaQueen LSD gear oil	-
AYC differential gear oil (Torque transfer part)		DIAMOND ATF SP III	-
Power steering fluid		Genuine Mitsubishi Power Steering Fluid	-
Brakes and clutch <Correct>		Conforming to Brake fluid DOT 3 or DOT 4	-
Engine coolant		Dia Queen Super Long Life Coolant Premium or equivalent*	*similar high quality ethylene glycol based non-silicate, non-amine, non-nitrate and non-borate coolant with long life hybrid organic acid technology.
Door hinges, Trunk lid hinges		Grease	-

LUBRICANT CAPACITY TABLE

Description	Specification	
Engine oil dm ³ (qt)	Oil pan (excluding oil filter)	4.8 (5.07)
	Oil cooler	0.5 (0.53)
	Oil filter	0.3 (0.32)
Engine coolant dm ³ (qt)		7.5 (7.9)
Transaxle oil dm ³ (qt)	Manual transaxle (M/T)	2.5 (2.6)
	Twin clutch-sport shift transmission (TC-SST)	7.6 (8.0)
Transfer oil dm ³ (qt)		0.8 (0.85)
ACD and AYC differential fluid dm ³ (qt)		1.0 (1.06)
AYC differential gear oil (Differential mechanism part) dm ³ (qt)		0.55 (0.58)
Power steering fluid dm ³ (qt)		1.0 (1.06)
Fuel tank dm ³ (gal)		55.0 (14.5)

Please make the indicated changes to the following:

2012 Lancer Evolution Service Manual, Group 00 – General: Recommended Lubricants & Lubricant Capacities Table

2013 Lancer Evolution Service Manual, Group 00 – General: Recommended Lubricants & Lubricant Capacities Table

RECOMMENDED LUBRICANTS AND LUBRICANT CAPACITIES TABLE

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RECOMMENDED LUBRICANTS

Lubricant		Specification	Remark
Engine oil		Engine oils displaying ILSAC certification symbol or conforming to the API classification SN	For further details, refer to "LUBRICANTS SELECTION" section.
<Deleted>			
Engine coolant		Long life antifreeze coolant or an equivalent	
Transaxle oil	Manual transaxle	DiaQueen NEW MULTI GEAR OIL API classification GL-3, SAE 75W-80	-
	Twin clutch-sportronic shift transmission	DiaQueen SSTF-I	-
Transfer oil		DiaQueen LSD gear oil	-
AWC control fluid	Vehicles with ACD (Including hydraulic pipe section)	DIAMOND ATF SP III	Control fluid for ACD/AYC Apply for Reservoir tank
	Vehicles with ACD/AYC (Including hydraulic pipe section)		
AYC differential gear oil (Differential mechanism part)		DiaQueen LSD gear oil	-
AYC differential gear oil (Torque transfer part)		DIAMOND ATF SP III	-
Power steering fluid		Genuine Mitsubishi Power Steering Fluid	-
Brakes and clutch <Correct>		Conforming to Brake fluid DOT 3 or DOT 4	-
Engine coolant		Dia Queen Super Long Life Coolant Premium or equivalent*	*similar high quality ethylene glycol based non-silicate, non-amine, non-nitrate and non-borate coolant with long life hybrid organic acid technology.
Door hinges, Trunk lid hinges		Grease	-

LUBRICANT CAPACITY TABLE

Description	Specification	
Engine oil dm ³ (qt)	Oil pan (excluding oil filter)	4.8 (5.07)
	Oil cooler	0.5 (0.53)
	Oil filter	0.3 (0.32)
Engine coolant dm ³ (qt)		7.5 (7.9)