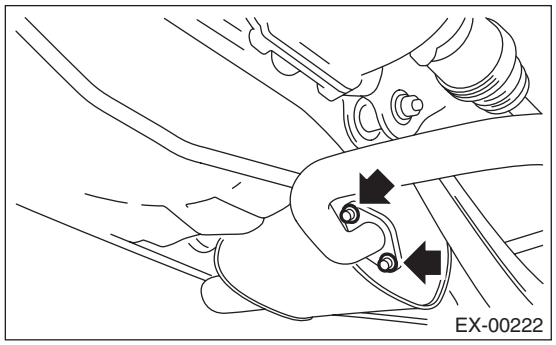
4. Muffler

A: REMOVAL

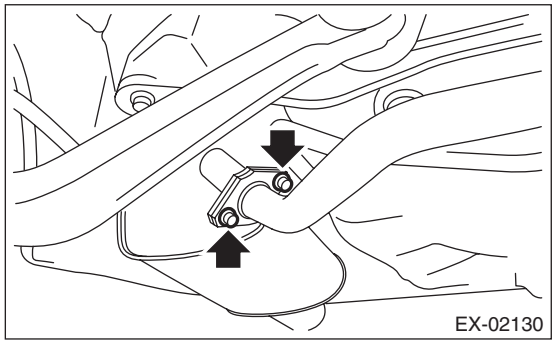
CAUTION:
Vehicle components are extremely hot after driving. Be wary of receiving burns from heated parts.

1) Set the vehicle on a lift.
2) Lift up the vehicle.
3) Separate the muffler from rear exhaust pipe.

- LH side



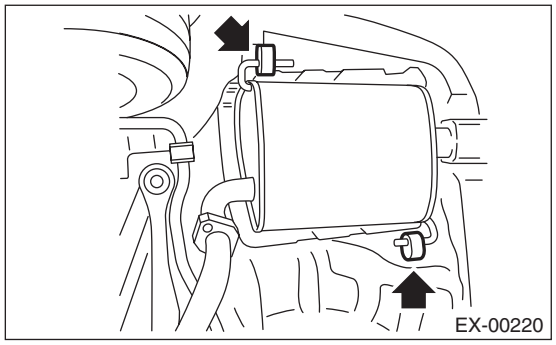
- RH side



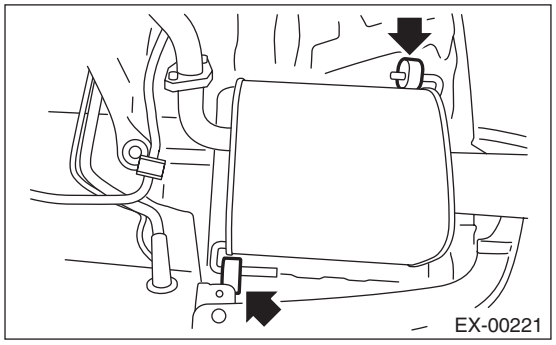
4) Apply a coat of spray type lubricant to the mating area of cushion rubber.
5) Remove the front and rear cushion rubber, and then remove the muffler.

CAUTION:
Be careful not to drop the muffler during removal.

- LH side



- RH side



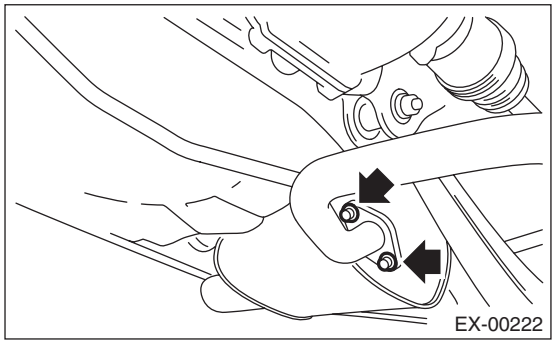
B: INSTALLATION

Install in the reverse order of removal.

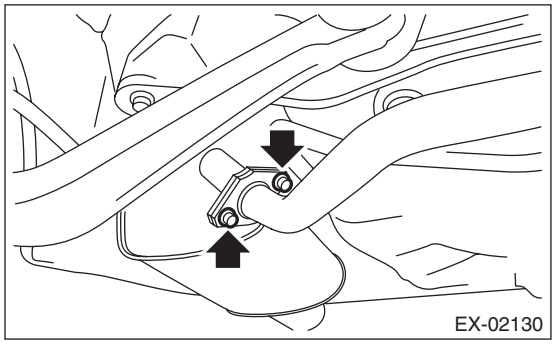
NOTE:
- Use a new gasket and self-locking nut.
- After assembling, degrease the lubricant which was applied to the cushion rubber while removing/installing.

Tightening torque:
48 N·m (4.9 kgf-m, 35.4 ft-lb)

- LH side



- RH side



C: INSPECTION

1) Check the connections and welds for exhaust leaks.
2) Make sure there are no holes or rusting.
3) Check the cushion rubber for wear or crack.

COOLING

CO(H6DO)

1. General Description

A: SPECIFICATION

Cooling system			Electric fan + Forced engine coolant circulation system
Total engine coolant capacity		ℓ (US qt, Imp qt)	Approx. 7.6 (8.0, 6.7)
Water pump	Type		Centrifugal impeller type
	Discharge performance	Discharge rate ℓ (US gal, Imp gal)/min	240 (63.4, 52.8)
		Pump speed — Discharge pressure	4,960 rpm — 140 kPa (14 mAq)
		Engine coolant temperature	80°C (176°F)
	Impeller diameter	mm (in)	66 (2.60)
	Number of impeller vanes		8
	Number of pump sprocket teeth		23
Thermostat	Type		Wax pellet type
	Starting temperature to open		80 — 84°C (176 — 183°F)
	Fully opens		95°C (203°F)
	Valve lift	mm (in)	9.0 (0.354) or more
	Valve bore	mm (in)	35 (1.38)
Radiator fan	Motor input	Main fan W	200
		Sub fan W	200
	Fan diameter / Blade	Main fan	320 mm (12.6 in)/5
		Sub fan	320 mm (12.6 in)/7
Radiator	Type		Cross flow, pressure type
	Core dimensions	Width × Height × Thickness mm (in)	674.2 × 478.6 × 27 (26.543 × 18.842 × 1.06)
	Pressure range in which cap valve is open	kPa (kg/cm^2, psi)	Above: 88.3±14.7 (0.9±0.15, 13±2) Below: The atmospheric pressure or less
	Fins		Corrugated fin type
Reservoir tank	Capacity	ℓ (US qt, Imp qt)	0.45 (0.48, 0.40)

	Recommended materials	Item number	Alternative
Coolant	SUBARU SUPER COOLANT (Concentrated type)	—	—
	SUBARU SUPER COOLANT (Diluted type)	K0670Y0000	
Water for dilution	Distilled water	—	Soft water or tap water
Cooling system protective agent	Cooling system conditioner	SOA345001	—