






SL 230/250














Workshop Manual

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Symbol	Meaning	Symbol	Meaning
	Danger: Its neglect may lead to serious injuries.		Important: Its neglect may lead to minor injury or damaging the parts.
			General caution: Tips of the work

Symbol	Meaning	Symbol	Meaning
	Apply oil: Unless specified, use designated or recommended oil.		Apply sealant
	Apply Molybdenum solution: The solution is a mixture of engine oil and Molybdenum grease at		Replace with new parts whenever disassembled.
	Apply multi-purpose grease. (Lithium soap based NLG #2 equivalent). Example: SHELL Albania EP-2		Apply brake fluid. Use recommended grade (DOT4)
	Apply Molybdenum grease (3% or more Molybdenum, NLG1#2 equivalent) Mitsubishi multi purpose M2 Dow Corning Molycoat BR - 2 PLUS		Apply recommended cushion oil.
	Apply Molybdenum paste. (40% or more Disulphide Molybdenum. NLG1#2 equivalent). Local paste Molycote G-n Paste (Dow Corning)		Use exclusive tools
	Apply silicone grease Silicone grease G40M (ShinEtsu)		O.P. (Option) tool. Refer to parts list as these tools are considered to be parts.
	Apply screw locker. Use medium class unless specified.	-> 3-1	Reference pages.

SI Units

This service manual is written in both industrial metric units and SI units.

About SI Unit

Basically, SI unit is an expansion of the traditional metric unit. In an industrial metric unit, the unit of kg was used for both mass (kg) and force (kg/kgf), while the SI units separate these to mass (kg) and force (N). Weight means a gravitational force acting on an object in SI unit. Thus, the "weight" in SI is a multiplication of a mass and gravitational acceleration. Please note, therefore, the SI "weight" is not the same as the one in industrial metric units.

Format in this manual

SI unit is a primary unit, while industrial metric unit is expressed in brackets.

Example: <Pressure> $\frac{98\text{kPa}}{\text{SI}}$ $\frac{(1.0\text{kgf/cm}^2)}{\text{Industrial metric unit}}$

Force in industrial metric unit is expressed as "kgf" in order to distinguish from mass "kg" for SI unit.

Example: <Torque> 10N-m (1.0kgf-m)

Some examples of SI format:

Item	Example	Notes
Pressure	200 kPa (2.00 kgf/cm ²) 33 kPa (250 mmHg)	1 kgf/cm ² = 98.0665 kPa, 1 kPa = 1,000 Pa 1 mmHg = 133.322 Pa = 0.1333322 kPa
Torque	18 N-m (1.8 kgf-m)	1 kgf-m = 9.80665 N-m
Volume	419 cm ³ or	1 cm ³ = 1 cc 1 litre = 1,000 cm ³
Force	12 N (1.2 kgf)	1 kgf = 9.80665 N

Specification and other data are based on the units initially specified.