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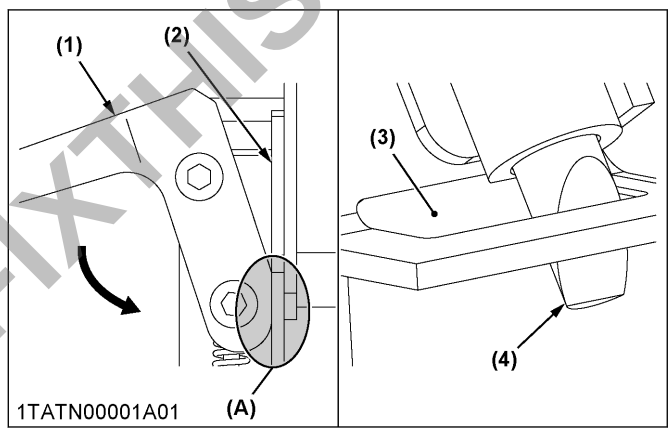
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SAFE OPERATION

You can avoid most accidents with the loader equipment by following simple safety instructions.
Safety precautions for the loader, if they are followed at all times, will help you operate your loader safely.

PRECAUTIONS BEFORE OPERATING THE LOADER

- Read and understand all instructions and precautions in both the tractor and the loader operator's manuals before using the loader.
  Lack of knowledge can lead to accidents.
- It is the owner's responsibility to ensure that anyone who will operate the loader reads this manual first and becomes familiar with the safe operation of the loader.
- For your safety, Kubota strongly recommends using a ROPS (rollover protective structure) with a seat belt in almost all applications. If your tractor has a foldable ROPS, fold it down only when absolutely necessary and raise it up and lock it again as soon as possible. Do not wear the seat belt when a foldable ROPS is down or a fixed ROPS is removed. If you have any questions, consult your local Kubota dealer.
- Visually check for hydraulic leaks and broken, missing, or malfunctioning parts.
  Perform necessary repairs before operating the loader.
- Replace damaged or illegible safety labels. See SAFETY LABELS on page 6 for required labels.
- When the front loader is mounted on the tractor, enter and exit the operator's seat only from left side of the tractor.
- Engage the loader control valve lock to prevent accidental actuation when the implement is not in use or during transport. Do not utilize the loader control valve lock for maintenance or repair of the machine.
- Assemble, remove, and reinstall the loader only as directed in this manual. Otherwise, serious personal injury or death may result.
- Follow the precautions below when attaching attachments.
  - **[2-lever quick coupler]**
    - Make sure that both handles of the boom LH and RH contact the ear plates at the points (A) and are all the way down.
    - Make sure that both lock pins of the boom LH and RH protrude through the pin slots.
    - Kubota recommends the use of Kubota attachments on Kubota loaders. Non-Kubota attachments, if used, must comply with *ISO 24410, first edition 2005-04-15*.
    - Use of a non-Kubota attachment that does not comply with *ISO 24410* or the improper positioning of handle(s) or non-protrusion of pin(s) may result in detachment of the attachment or deformation, causing loss of performance, personal injury, or death.



(1) Handle
(2) Ear plate
(3) Pin slot
(4) Lock pin
(A) Points where the handle contacts the ear plate.

  - **[Euro quick coupler]**
    - Make sure that the handle contacts the guide bar at the point (A).
    - Make sure that both lock pins of LH and RH protrude through both pin holes.
    - Any attachment used with Euro quick coupler must comply with *ISO 23206 standard, published 2005*.
    - Use of a non-Kubota attachment that does not comply with *ISO 23206 standard* or the improper positioning of handle or non-protrusion of pin(s) may result in detachment of the attachment or deformation, causing loss of performance, personal injury, or death.

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SPECIFICATIONS

SUITABLE TRACTOR

Loader	Tractor
LA535	B3350HSDC, B2650SHDC, B3350HSD, B2650HSD, B3350SUHSD, LX3310HSDC, LX2610HSDC, LX3310HSD, LX2610HSD, LX2610SUHSD

LOADER SPECIFICATIONS TABLE

Loader model			**LA535**
Tractor model			**B3350HSDC, B2650SHDC, B3350HSD, B2650HSD, B3350SUHSD, LX3310HSDC, LX2610HSDC, LX3310HSD, LX2610HSD, LX2610SUHSD**
Wheel base (WB)		mm (in.)	1666 (65.6)
Front tires			7-12
Rear tires			12.4-16
Boom cylinder	Bore	mm (in.)	45 (1.77)
	Stroke	mm (in.)	359.5 (14.2)
Bucket cylinder	Bore	mm (in.)	45 (1.77)
	Stroke	mm (in.)	385 (15.2)
Control valve	4 Position bucket control valve type		One Detent Float Position, Two Stage Bucket Dump, Power Beyond Circuit
Rated flow		L/min (GPM)	18.9 (4.99)
Maximum pressure		MPa (kg/cm^2) [psi]	16.6 (169) [2408]
Net weight (approximate)		kg (lbs.)	255*1 (562)

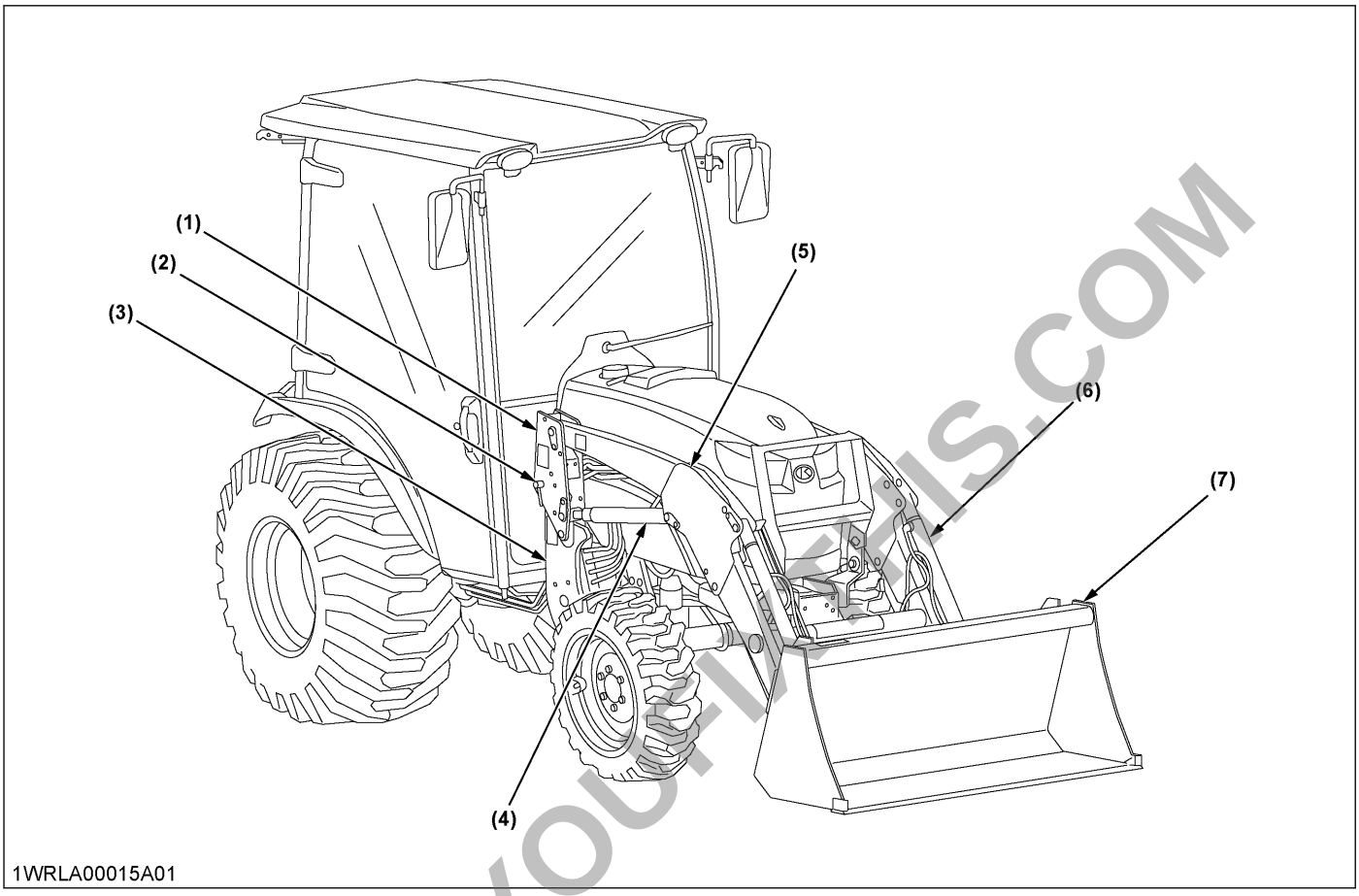
The company reserves the right to change the specifications without notice.

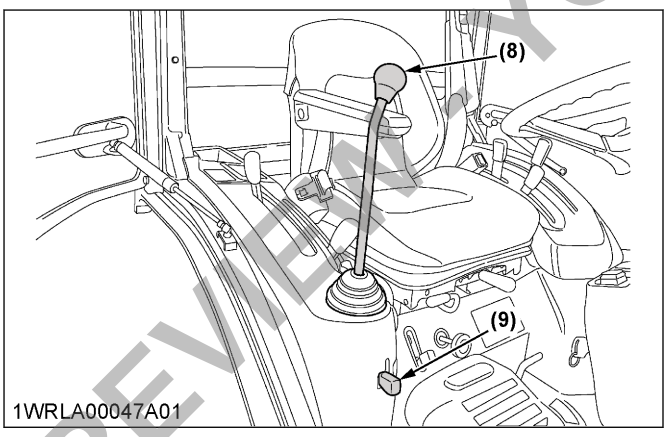
*1 Include the main frame, quick hitch, 54" quick bucket, and front guard.

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LOADER TERMINOLOGY



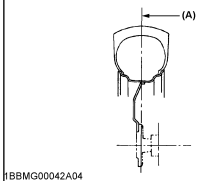
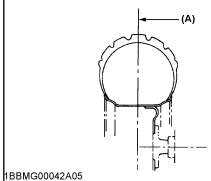
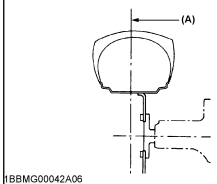
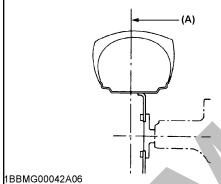


(1) Side frame
(2) Mounting pin
(3) Main frame
(4) Boom cylinder
(5) Boom
(6) Bucket cylinder
(7) Bucket
(8) Loader control lever
(9) Lock lever

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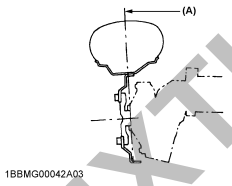
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Rear

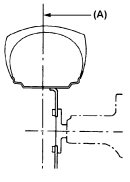
Tire	12.4-16 Farm	13.6-16 Turf	12.4-16 Industry	14-17.5 R14
Tread	 *(A) 1050 mm (41.3 in.)*	 *(A) 1050 mm (41.3 in.)*	 *(A) 1050 mm (41.3 in.)*	 *(A) 1050 mm (41.3 in.)*

[ROPS model only]

Front

Tire	25 × 8.50-14 R14
Tread	 *(A) 965 mm (38.0 in.)*

Rear

Tire	15-19.5 R14
Tread	 *(A) 1085 mm (42.7 in.)*

WEIGHT OF THE IMPLEMENTS AS THE REAR BALLAST

⚠ WARNING

To avoid personal injury or death:

- **For tractor stability and operator safety, add rear ballast to the rear of the tractor in the form of 3-point counter weight and / or the rear wheel ballast. The amount of rear ballast will depend on the application.**

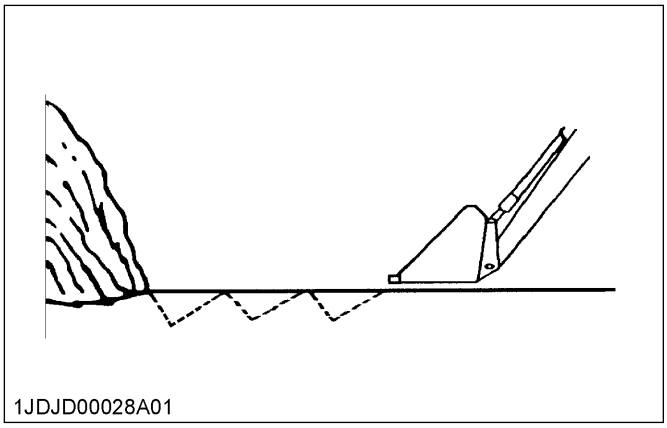
Implement as counter weight	
	LA535
4' Land Scraper	Approx. 225 kg (496 lbs.)
Rear Blade	Approx. 250 kg (550 lbs.)
Rotary Tiller	Approx. 250 kg (550 lbs.)
Back Hoe	Approx. 400 kg (880 lbs.)

1. Liquid ballast in the rear tires

Water and calcium chloride solution provide a safe and economical ballast. Used properly, it will not damage tires, tubes or rims. The addition of calcium chloride is recommended to prevent the water from freezing. Use of this method of weighting the wheels has full approval of the tire manufacturers. See your tire dealer for this service.

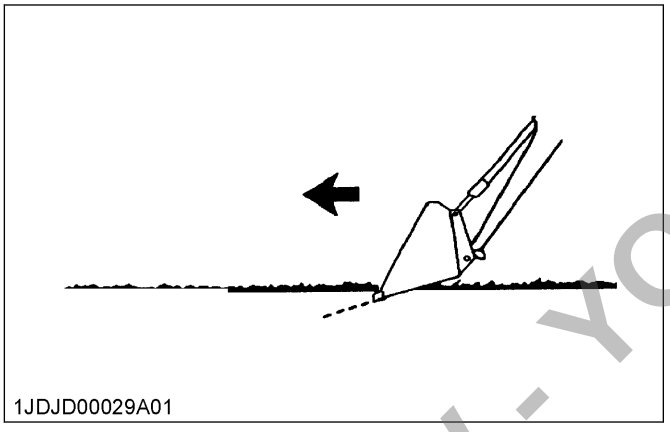
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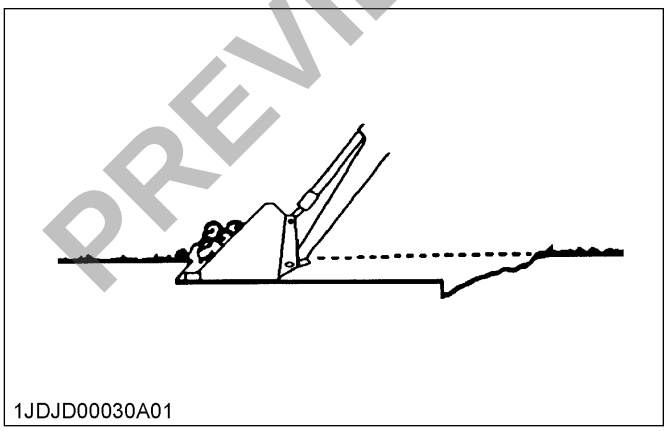
7. Peeling and scraping the ground

1. Produce a short cut and break-out cleanly.
   a. Use a slight bucket down angle.
   b. Travel forward.
   c. Hold the lift control forward to start the cut.


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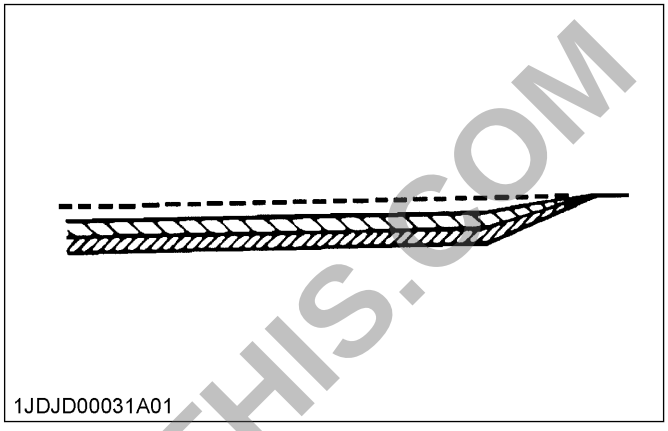
2. With the bucket level, start a cut at the following notch.

Notch	Approximately 2 in. deep


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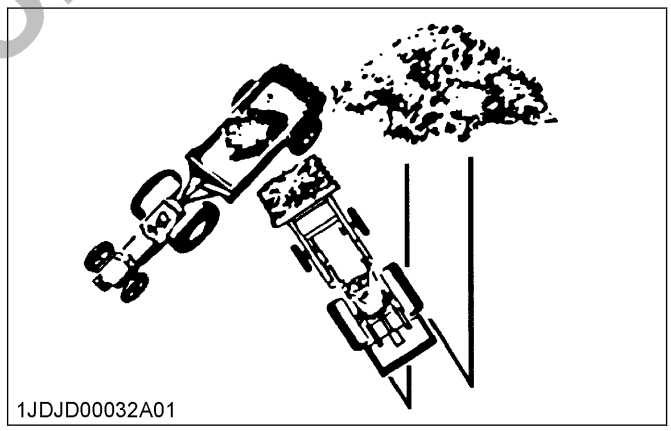
Hold the depth by feathering the bucket control to adjust the cutting edge up or down. When the front tires enter the notch, adjust the boom cylinder to maintain proper depth.

3. Make additional passes until the desired depth is reached.
   During each pass, use only the bucket control while at working depth. Using only the bucket control will allow you to concentrate on controlling the bucket angle to maintain a precise cut.


1JDJD00031A01

8. Loading low trucks or spreaders from a pile

- For faster loading, minimize the angle of turn and length of operation between pile and spreader.


1JDJD00032A01

- Back grade occasionally with a loaded bucket to keep the work surface free of ruts and holes. Also, hold the lift control forward.
  The full weight of the bucket is scraping the ground. Use the heel of the bucket to scrape the ground.

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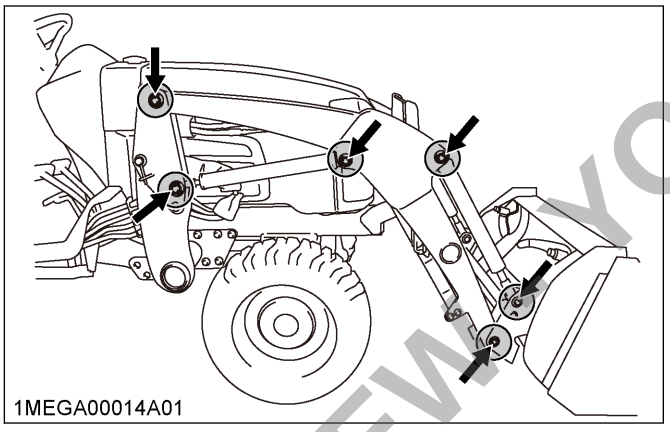
MAINTENANCE

⚠ WARNING
To avoid personal injury or death:
- **Be sure to check and service the tractor on a flat surface with the bucket on the ground, engine stop, the key removed and the parking brake on.**

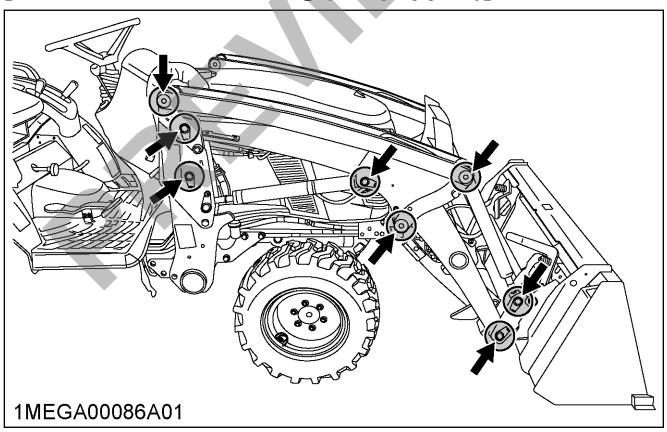
LUBRICATING THE LOADER

Lubricate all grease fittings with grease.
High quality grease designating “extreme pressure” and containing Molybdenum disulfide is recommended.
This grease may specify *“Moly EP”* on its label.

1. Lubricate all grease fittings every 10 hours of operation. Also, lubricate the joints of the control lever linkage every 10 hours.


1MEGA00014A01

[Mechanical self leveling (if equipped)]

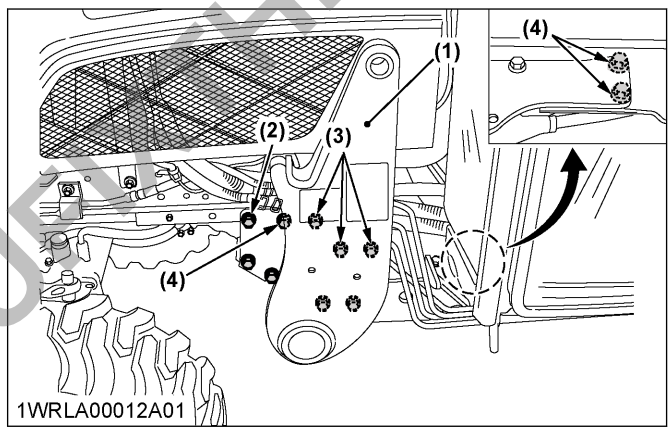

1MEGA00086A01

2. Before daily operation, check the hydraulic fluid level of the tractor. If the hydraulic fluid level is low, add the hydraulic fluid as described in the *tractor operator's manual*. Also change the filter element and the hydraulic fluid as recommended in the *tractor operator's manual*.

SERVICE EVERY 20 HOURS TO 30 HOURS

1. Re-tightening of hardwares of the loader

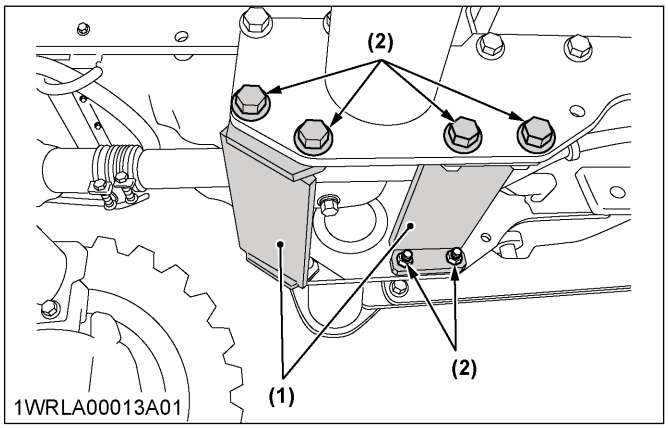
After 20 to 30 hours of initial loader operation, re-tighten all mounting bolts and nuts to the required torque values as follows.



1WRLA00012A01

(1) Main frame

Bolt torque (2) (4)	124 to 147 N·m (12.6 to 15.0 kgf·m) (91.5 to 108.4 lbf·ft)
Bolt torque (3)	80.0 to 90.0 N·m (8.2 to 9.2 kgf·m) (59.0 to 66.4 lbf·ft)



1WRLA00013A01

(1) Main frame connector

Bolt torque (2)	124 to 147 N·m (12.6 to 15.0 kgf·m) (91.5 to 108.4 lbf·ft)

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GENERAL TORQUE SPECIFICATION

If the torque levels are specified in the text, follow that specification.

American standard screws, bolts, and nuts with UNC or UNF threads		
SAE grade No.	**GR5**	**GR8**
1/4	11.7 N·m to 15.8 N·m 1.19 kgf·m to 1.61 kgf·m 8.6 lbf·ft to 11.6 lbf·ft	16.3 N·m to 19.8 N·m 1.66 kgf·m to 2.02 kgf·m 12.0 lbf·ft to 14.6 lbf·ft
5/16	23.1 N·m to 27.8 N·m 2.35 kgf·m to 2.83 kgf·m 17.0 lbf·ft to 20.5 lbf·ft	32.5 N·m to 39.3 N·m 3.31 kgf·m to 4.01 kgf·m 24.0 lbf·ft to 29.0 lbf·ft
3/8	47.5 N·m to 57.0 N·m 4.84 kgf·m to 5.81 kgf·m 35.0 lbf·ft to 42.0 lbf·ft	61.0 N·m to 73.2 N·m 6.22 kgf·m to 7.46 kgf·m 45.0 lbf·ft to 54.0 lbf·ft
1/2	108.5 N·m to 130.2 N·m 11.06 kgf·m to 13.28 kgf·m 80.0 lbf·ft to 96.0 lbf·ft	149.2 N·m to 179.0 N·m 15.21 kgf·m to 18.25 kgf·m 110.0 lbf·ft to 132.0 lbf·ft
9/16	149.2 N·m to 179.0 N·m 15.21 kgf·m to 18.25 kgf·m 110.0 lbf·ft to 132.0 lbf·ft	217.0 N·m to 260.4 N·m 22.13 kgf·m to 26.55 kgf·m 160.0 lbf·ft to 192.0 lbf·ft
5/8	203.4 N·m to 244.1 N·m 20.74 kgf·m to 24.89 kgf·m 150.0 lbf·ft to 180.0 lbf·ft	298.3 N·m to 358.0 N·m 30.42 kgf·m to 36.51 kgf·m 220.0 lbf·ft to 264.0 lbf·ft

Metric cap screws 8.8	
Property class	**8.8 Approx. SAE GR5**
M6	9.8 N·m to 11.2 N·m 1.0 kgf·m to 1.1 kgf·m 7.2 lbf·ft to 8.3 lbf·ft
M8	23.6 N·m to 27.4 N·m 2.4 kgf·m to 2.8 kgf·m 17.4 lbf·ft to 20.2 lbf·ft
M10	48.1 N·m to 55.8 N·m 4.9 kgf·m to 5.7 kgf·m 35.5 lbf·ft to 41.2 lbf·ft
M12	77.5 N·m to 90.1 N·m 7.9 kgf·m to 9.2 kgf·m 57.2 lbf·ft to 66.5 lbf·ft
M14	124 N·m to 147 N·m 12.6 kgf·m to 15.0 kgf·m 91.5 lbf·ft to 108.4 lbf·ft
M16	197 N·m to 225 N·m 20.0 kgf·m to 23.0 kgf·m 145 lbf·ft to 166 lbf·ft
M18	275 N·m to 318 N·m 28.0 kgf·m to 32.5 kgf·m 203 lbf·ft to 235 lbf·ft
M20	368 N·m to 431 N·m 37.6 kgf·m to 44.0 kgf·m 272 lbf·ft to 318 lbf·ft

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