

2. CLUTCH

[2] SERVICING

(1) Servicing Specifications

CLUTCH PEDAL

Item		Factory Specification	Allowable Limit
Clutch Pedal (ROPS)	Total Stroke	170 to 175 mm 6.7 to 6.9 in.	—
	Free Travel	24.0 to 30.0 mm 0.9 to 1.2 in.	—
Clutch Pedal (CABIN)	Total Stroke	165 to 170 mm 6.5 to 6.7 in.	—
	Free Travel	15.0 to 25.0 mm 0.59 to 0.98 in.	—

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DUMPER DISC

Dumper Disc Boss to Gear Shaft	Backlash (Displacement around disc edge)	—	2.0 mm 0.079 in.
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(2) Tightening Torques

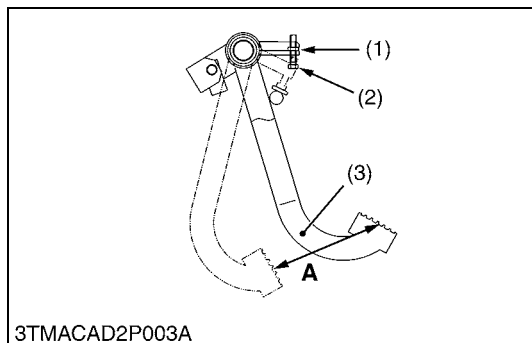
Tightening torques of screws, bolts and nuts on the table below are especially specified.
(For general use screws, bolts and nuts : See page G-13.)

Item	N·m	kgf·m	ft-lbs
Engine and clutch housing mounting screw, nut	77.5 to 90.2	7.9 to 9.2	57.1 to 66.5
Engine and clutch housing mounting stud bolt	38.2 to 45.1	3.9 to 4.6	28.2 to 33.3
Dumper disc mounting screw	48.1 to 55.9	4.9 to 5.7	35.4 to 41.2

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(3) Checking and Adjusting

(A) Clutch Pedal



Clutch Pedal Stroke

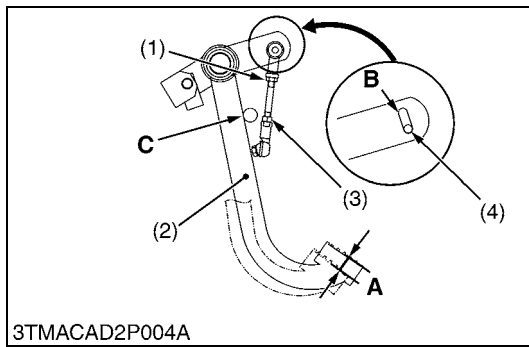
1. Stop the engine and remove the key.
2. Measure the clutch pedal stroke **A**.
3. If the measurement is not within the factory specifications, adjust with stopper bolt (2).

Total stroke A	Factory spec.	170 to 175 mm 6.7 to 6.9 in.
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- (1) Lock Nut 1
(2) Stopper Bolt

- (3) Clutch Pedal
A : Pedal Stroke

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Clutch Pedal Free Travel

■ NOTE

- Before checking the clutch pedal free travel, be sure to adjust the pedal stroke.

1. Make sure that clutch pedal is contact with frame **C** and upper rod end of turnbuckle (4) is located on the bottom of hole **B** when the pedal is released.
2. If the clutch pedal or turnbuckle is out of above condition, adjust with turnbuckle.
3. Measure the clutch pedal free travel **A**.
4. If adjustment is needed, change the length of turnbuckle so that the free travel becomes 24 to 30 mm (0.9 to 1.2 in.).
5. After adjustment is completed secure the lock nut of turnbuckle.

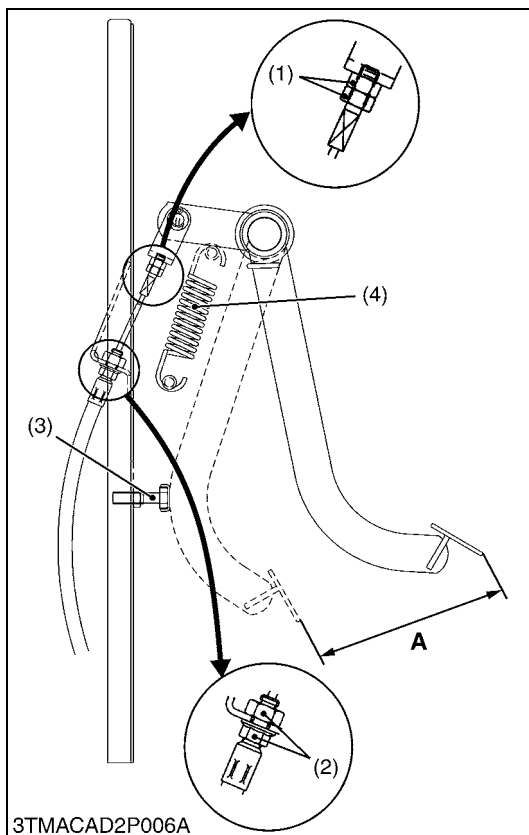
Clutch pedal free travel	Factory spec.	24.0 to 30.0 mm 0.9 to 1.2 in.
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- (1) Lock Nut 1
- (2) Clutch Pedal
- (3) Lock Nut 2
- (4) Turnbuckle

A : Free Travel
B : Hole
C : Frame

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(B) Clutch Pedal (CABIN Type)



Clutch Pedal Stroke

1. Stop the engine and remove the key.
2. Screw the lock nuts (1), (2) to the threaded end of cable as shown in figure.
3. Measure the clutch pedal stroke **A**.
4. If the measurement is not within the factory specifications, adjust with stopper bolt (3).

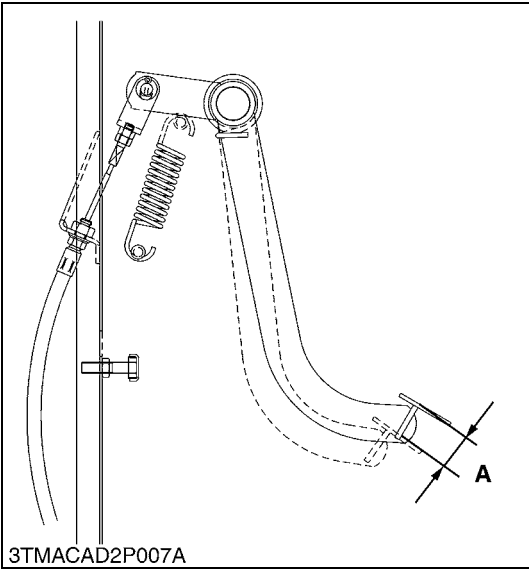
Total stroke A	Factory spec.	165 to 170 mm 6.5 to 6.7 in.
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■ NOTE

- Be sure to fix the coil spring (4) in original direction when hook the coil spring as shown in figure.

- (1) Lock Nut
- (2) Lock Nut
- (3) Stopper Bolt
- (4) Coil Spring

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Clutch Pedal Free Travel

- **NOTE**
- Before checking the clutch pedal free travel A, be sure to adjust the pedal stroke.
1. Remove the floor mat 1 (1), floor mat 2 (2) and cover (3).
 2. Measure the clutch pedal free travel.
 3. If adjustment is needed, loosen the lock nuts (4) and adjust the cable length within acceptable limits.
 4. Retighten the lock nut (4).

Proper clutch pedal free travel A	Factory spec.	15 to 25 mm 0.59 to 0.98 in.
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|-----------------|--------------|
| (1) Floor Mat 1 | (3) Cover |
| (2) Floor Mat 2 | (4) Lock Nut |

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