TOYOTA

REPAIR MANUAL

7FGU35-80 / 7FDU35-80
7FGCU35-70

Pub. No. CU030

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GENERAL

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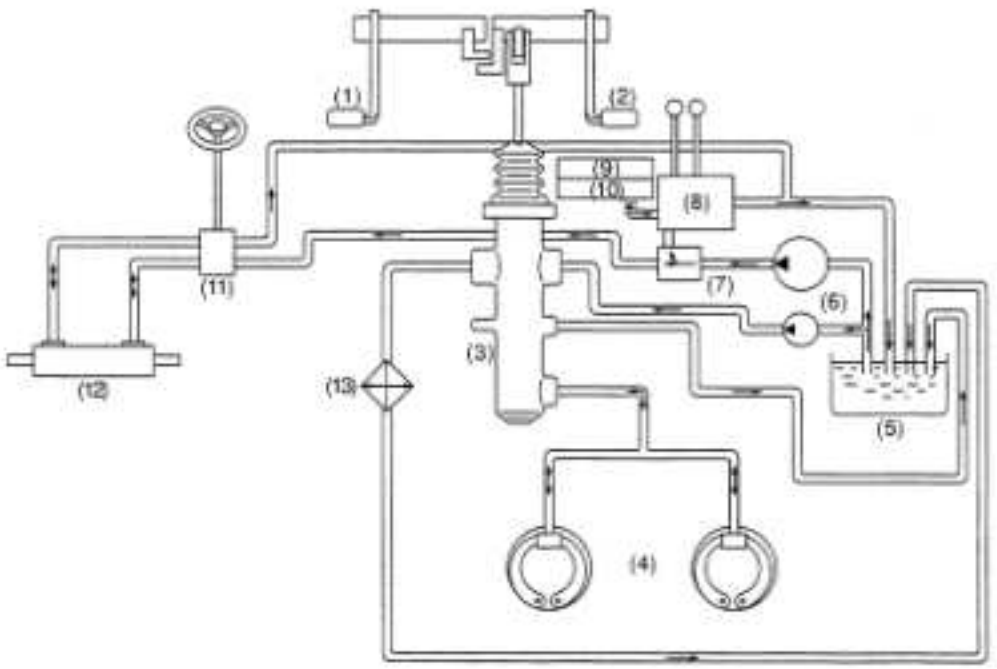
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HYDRAULIC CIRCUIT DIAGRAM

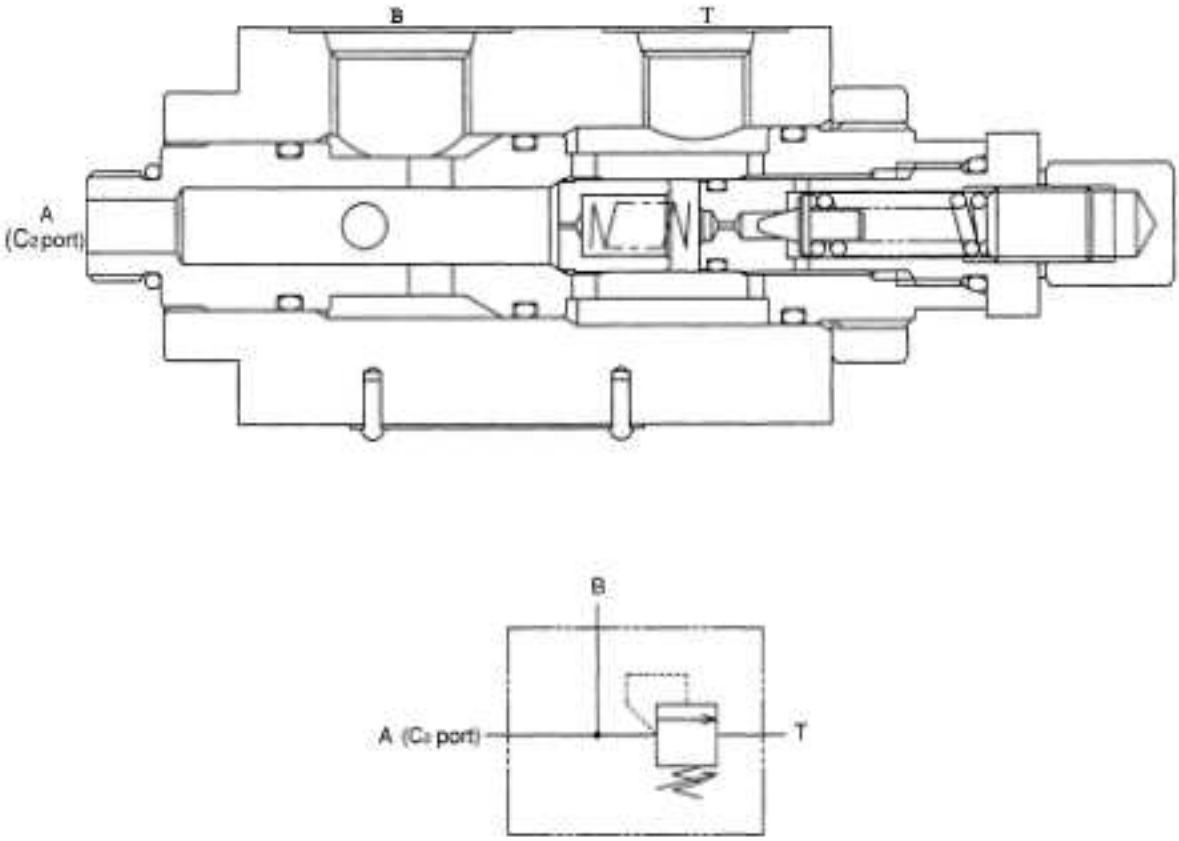


(1) Inching pedal
(2) Brake pedal
(3) Brake master cylinder (Brake booster)
(4) Brake wheel cylinder
(5) Oil tank
(6) Oil pump
(7) Flow divider
(8) Oil control valve
(9) Lift cylinder
(10) Tilt cylinder
(11) Steering valve
(12) Power steering cylinder
(13) Hydraulic oil cooler *

*: The oil cooler is specified as Option for Pn35 - 50 with 132 engine.

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Relief Valve (For Forward Tilt) (Pn60 ~ 80, Cu60·70 Model)



SPECIFICATIONS

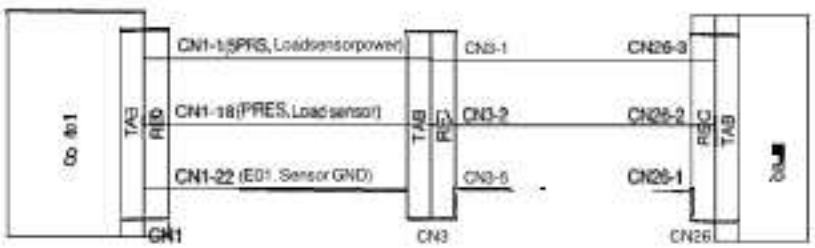
Item \ Model		Pn35 ~ 50	Pn60 ~ 80 Cu60 · 70	Cu35 ~ 55
Oil control valve type		Add-on type (1-, 2-spool monoblock)		
Relief set pressure kPa (kgf/cm²) [psi]	Lift	18140 (185) [2630]	20590 (210) [2990] (Forward tilt: 13240 (135) [1920])*	18140 (185) [2630]
	Tilt			
Flow divider flow rate ℓ/min (USgal/min)		17.0 (4.49)	22.0 (5.81)	←
Others		Built-in flow divider valve		

*: The relief set pressure on the forward tilt side is controlled by connecting another relief valve to the C_2 port.

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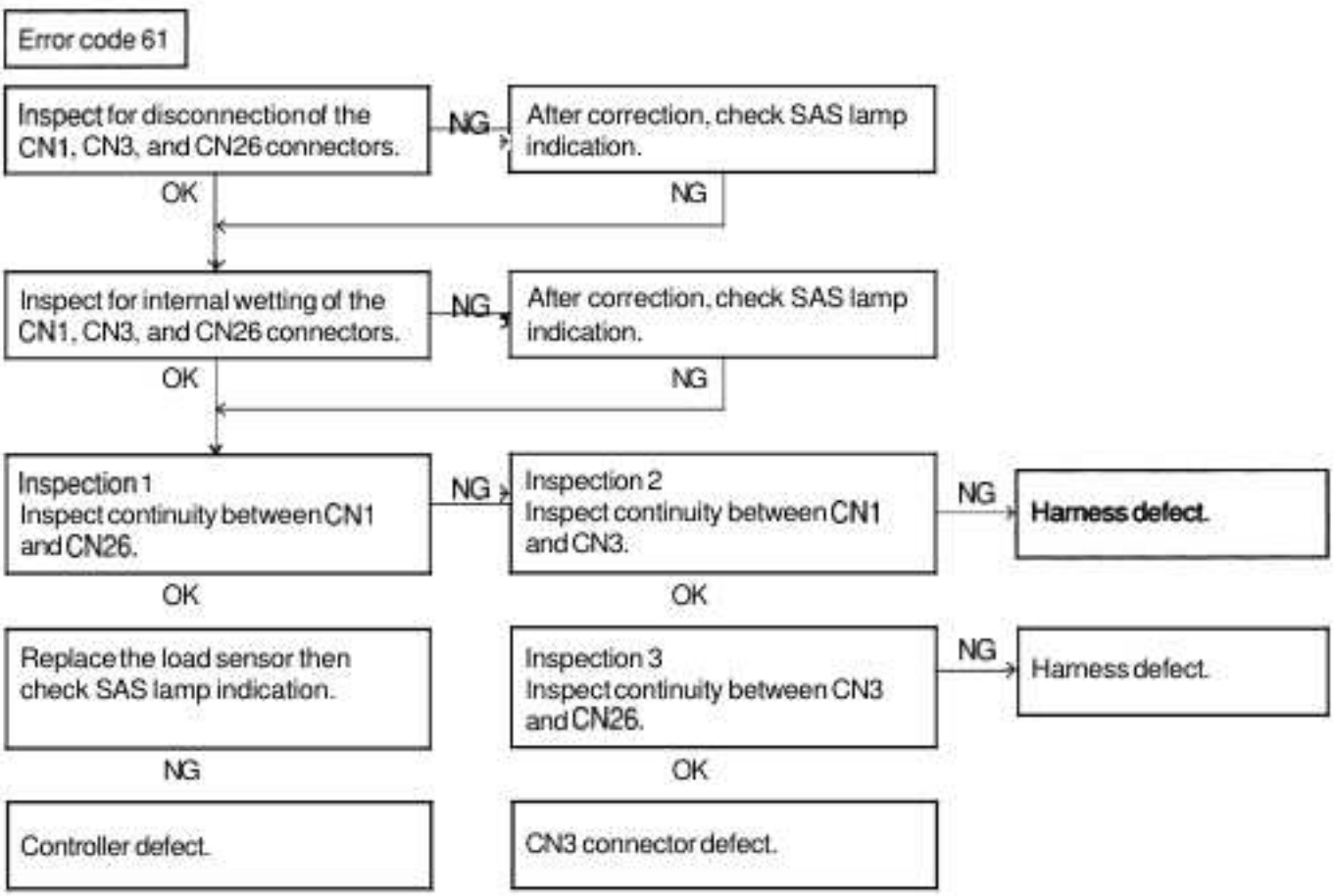
- **Error code 61 (Load sensor abnormality)**
- **Error code 61-1 (Load sensor open circuit)**
- **Error code 61-2 (Load sensor short circuit)**

Related Portion



Estimated Causes:

① Connector contact defect
② Load sensor harness defect
③ Load sensor defect
④ Controller defect



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