



TADANO

Publication No. TR-350XL-3/O1(U)-5E

Operation and Maintenance Manual

Rough Terrain Crane

Model

TR-350XL-3

Applicable Serial No. 560405~

⚠ CAUTION: Read this manual before operating the crane. Save this manual for future reference.

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CALIFORNIA

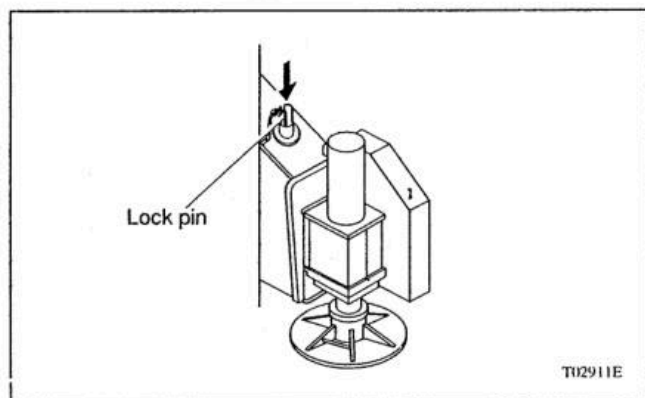
Proposition 65 Warning

Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects, and other reproductive harm.

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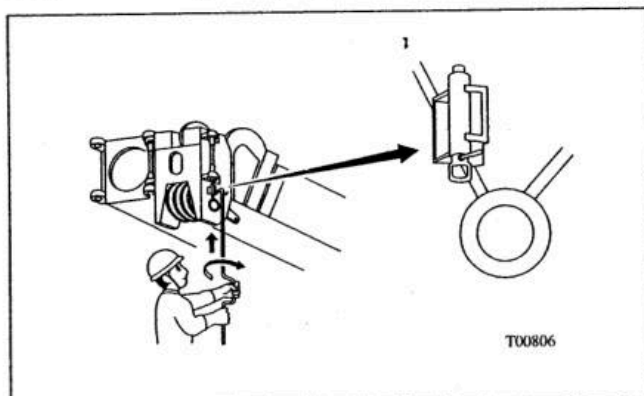
4. After all four outrigger beams have been fully retracted, return the jack/slider selector switch and the extend/retract selector switch to the neutral positions.

5. Install all four lock pins in the outrigger beam pin holes to lock the outrigger beams in place.

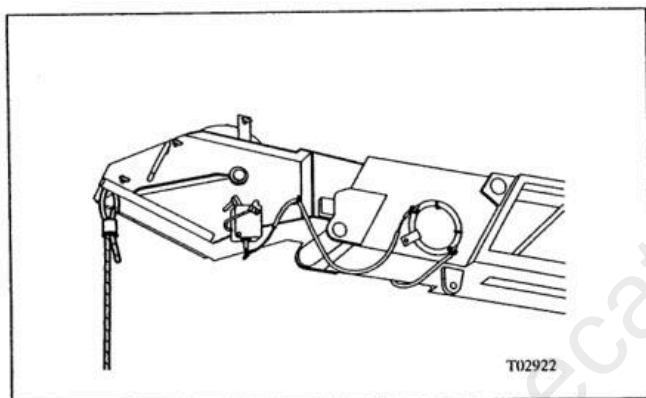


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10. Free the set pin so that the jib can be locked by the set pin when the jib is swung forward.

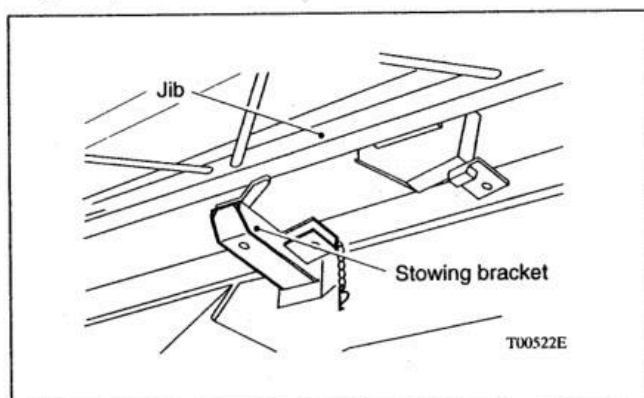


11. Attach the guide rope to the jib head.

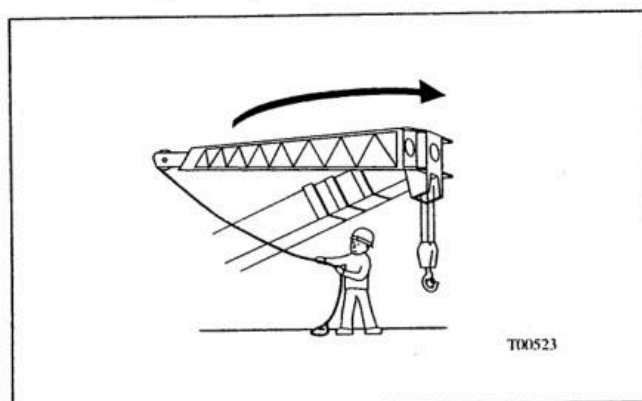


12. Extend the boom until the jib is disengaged from the stowing bracket.

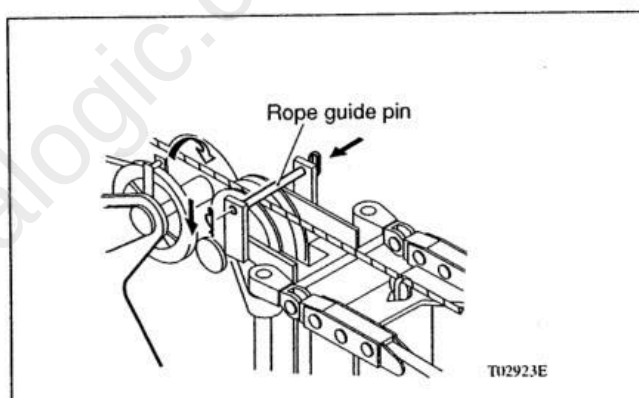
◆ When the jib is disengaged from the stowing bracket, it starts to swing forward. Prevent this motion by holding the jib in place with the guide rope.



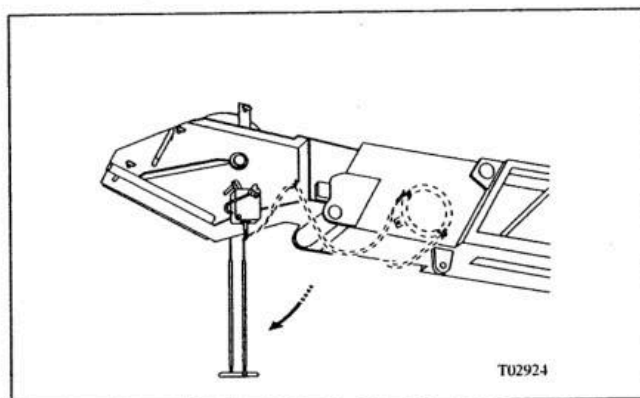
13. Hold the guide rope, and swing the jib forward.



14. Reeve the auxiliary winch wire rope around the sheaves on the upper side of the top boom section and jib, and set the rope guide pin in position.



15. Take the donut weight for the anti-two-block device out of stowage.



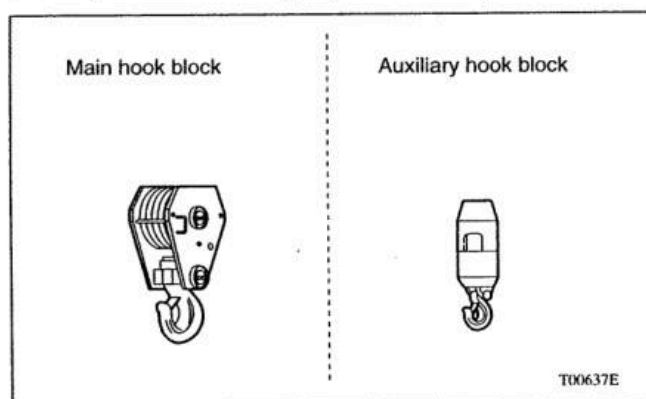
Weight

Carrier Weight

Gross vehicle weight :60,430 lbs (27,410 kg)
 Front axle load :31,670 lbs (14,365 kg)
 Rear axle load :28,760 lbs (13,045 kg)

Hook Block Weight

Main hook block weight (35 short tons) :770 lbs.
 Auxiliary hook block weight (4.4 short tons) :220 lbs.



Relief Valve Pressure

Main winch hoist-up circuit :3200 ± 70 psi (225 ± 5 kg/cm²)
 Main winch hoist-down circuit :1280 ± 70 psi (90 ± 5 kg/cm²)
 Auxiliary winch hoist-up circuit :3560 ± 70 psi (250 ± 5 kg/cm²)
 Auxiliary winch hoist-down circuit :1280 ± 70 psi (90 ± 5 kg/cm²)
 Boom raising circuit :2700 ± 70 psi (190 ± 5 kg/cm²)
 Boom lowering circuit :570 ⁺⁷⁰/₀ psi (40 ⁺⁵/₀ kg/cm²)
 Boom extending circuit :2990 ± 70 psi (210 ± 5 kg/cm²)
 Boom retracting circuit :3200 ± 70 psi (225 ± 5 kg/cm²)
 Swing circuit :2840 ⁺⁷⁰/₀ psi (200 ⁺⁵/₀ kg/cm²)

Wire Rope Specifications

Wire rope for main winch	Configuration	:7 x 7 + 6 x WS(31)o/o
	Allowable load	:7,000 lbs. (3,200 kg)
	Ultimate (failure) load	:19.5 short tons (17.7 tons)
	Diameter	:5/8" (16.0 mm)
	Length	:640' (195 m)
	Weight	:1.07 lbs/ft. (1.59 kg/m)
Wire rope for auxiliary winch	Configuration	:7 x 7 + 6 x WS(31)o/o
	Allowable load	:6,610 lbs. (3,000 kg)
	Ultimate (failure) load	:19.5 short tons (17.7 tons)
	Diameter	:5/8" (16.0 mm)
	Length	:328' (100 m)
	Weight	:1.07 lbs/ft. (1.59 kg/m)

Other

Maximum load on outrigger float
 64,000 lbs (29,000 kg)

Tire air pressure

Usage	Air pressure
	20.5-25-24PR
Travel	75 psi (5.25 kg/cm ²)
On-rubber operation	93 psi (6.5 kg/cm ²)

Full Version Available

Tadano TR-350XL-3 Rough Terrain Crane Operator Manual

Tadano TR-350XL-3 rough terrain crane operator manual covering controls, safe operation, setup, daily checks and care. Instant PDF download.

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