

OPERATORS MANUAL



LANDGREBE MFG. INC.

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Notes:

Note: Warranty Card Must be returned to
Landgrebe Mfg. within 10 days or
warranty will be **VOID!**

Please return warranty card!

TD40 OPERATING INSTRUCTIONS

GENERAL:

12. Tongue pivot point should be inspected before each use. (A.) Is 3/4" x 4" bolt in place at each rear end of "A" frame tongue and through dolly frame? (B.) Is the 3/4" hex-nut in place on 3/4" bolt? (C.) Is there a cotter pin in place through 3/4"x4" bolt to keep nut in place?

13. Periodically: check dolly frame for cracks. Check tongue pivot point for wear and cracks. Make sure coupler is snugly to 2" ball. Check tires for wear and air pressure.

14. Ratchets and straps should be checked before each use. Straps should not be used if frayed. Ratchets should operate smoothly and lock positively. Ratchets should not be used if bent or damaged in anyway.

15. Straps should fit tires as pictured in See **Figure #5** and 7. If they seem too large or too small, call your dealer. There are regular size straps for 13" and 14" tires. We also have straps to fit 15" and larger size tires.

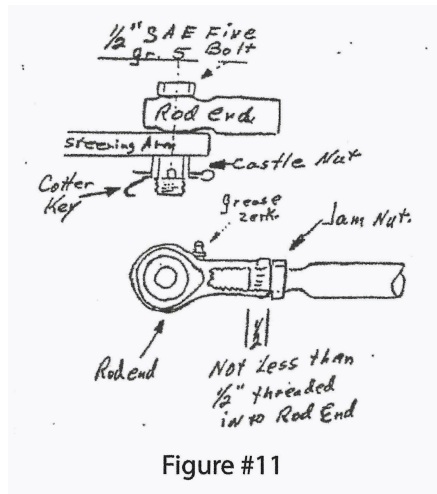


Figure #11

1. Never load or unload your tow dolly unless it is coupled to a tow vehicle.

2. Always be careful of pinch points. Keep feet and hands clear of ramp area as the dolly platform tilts back and down.

3. Drive vehicle into place slowly. Make sure there is at least 3" clearance on each side between vehicle and dolly fenders. The standard width TD40 will tow a vehicle up to 72" wide from outside wheel to outside wheel; the TD40 101 will tow a vehicle 78" wide.

LOADING:

1. Couple dolly to a tow vehicle with class #3 hitch and 2" solid ball with not less than a 3/4" shank. Tow vehicle in park or brakes locked.

2. Move both tilt locks forward into their released position. See **Figure #1**



Figure #1

3. Allow dolly to tilt back and down keeping clear of rear ramps. If your dolly does not tilt by itself, you may assist it by placing one foot on rear frame of dolly forcing ramp down. Keep other foot clear of ramp and dolly frame as dolly tilts. See **Figure #2**

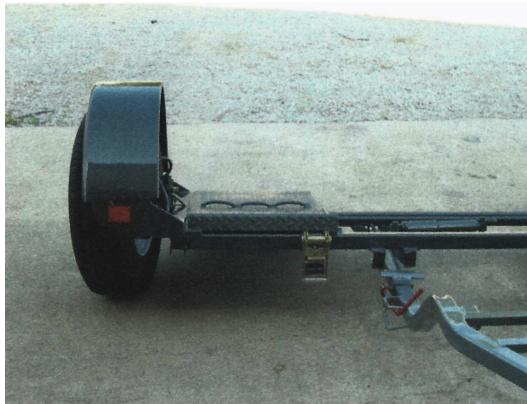


Figure #2

4. Center vehicle with dolly and drive onto ramps slowly, making sure vehicle clears fenders. Keep an eye on clearance under vehicle. See **Figure #3** When vehicle wheels reach area between fenders and dolly rocks into tow position, stop. Put vehicle into park and or lock break.



Figure #3

a.) Before drive on the dolly tilt locks may be released, in there re- leased position lever down, lock back, and dolly will lock itself into the tow position. b.) After driving into position, make sure both lock plates are in lock position. See **Figure #4**



Figure #4

4. Tilt pivot pins should be checked and oiled every 1,000 miles.

5. Tilt locks should be oiled every 2,000 miles.

6. Coupler should be checked and greased every 2,000 miles.

7. Your tow dolly is painted with acrylic enamel automotive paint. It can be waxed or washed with the same products you use on your automobile.

8. Wheel alignment should be checked once a year. Use measuring tape to measure between front and rear of tires; front should be 1/6" to 1/8" less than rear.

9. Setting tow in. Remove 1/2" n thread bolt from steering ball bearing rod end. Rotate rod end to lengthen or shorten steering rod. Replace bolt and check tow in. * Caution must be taken to maintain at least 1/2" of rod screwed into rod end. Be sure to tighten locknut against ball bearing rod end. Be sure to replace castle nut and cotter pin in steering rod end after adjustment is made. See **Figure #11 on page 8**

10. Steering stops can be adjusted anytime wheel turns to close to dolly frame. Steering stops and both sides of dolly behind king pins. See **Figure #9**

11. Dolly should be checked for loose bolts before each use.

Item To Check	Quantity
Safety Chain Bolts	3
King Pin Bolts	2
Steering Stop Bolts	2
Ball Bearing Rod Ends	2
Bolt and Cotter Pin in Rod End	2
Steering Shock Bolt	2
Tongue Pivot Bolts: and Cotter Pins	2
Steering Lock Pin	1
Fender Bolts	12
Wheel Bolts	10
Bolts on Ratchets	2

UPLOADING:

1. Never load or unload tow dolly unless it is connected to a tow vehicle.
2. Brakes should be locked on both vehicles or vehicles should be in park
3. Remove nylon straps from both wheels. Open ratchet handle all the way until it extends almost straight up.
4. Release both tilt latches, pull handles back, rotate handles up so they hook and hold locks back.
5. Unhook towed vehicle safety chain. 6. Back vehicle off dolly slowly and straight.
7. Be sure to place steering lock pin back into lock position when dolly has no vehicle loaded on it. Dolly can not be towed empty without locking steering.

LUBRICATION & MAINTENANCE INSTRUCTIONS:

1. Hubs: can be greased through sure lube cap; approx. 5 grease sun pumps every 2000 miles will do. Once a year or every 8,000- 10,000 miles, check wheel bearings. Set bearing preloaded by removing cap and setting lock nut.
2. King pins should be greased every 2,000 miles. See Figure #8
3. Ball bearing rod ends should be greased every 2,000 miles See

Figure #9

5. Place both nylon straps into position. Hook at hook in area behind tire closest to center of tire. See Figure #5 Thread front end of strap through eye

in ratchet drum. See Figure #6 and 7 Operate ratchet handle up and down until strap is very tight. Use one strap on each tire on vehicle loaded into dolly. When strap is tight, place ratchet handle in down position.

Note: Ratchet drum must have not less than 1 1/2 wraps to hold vehicle securely to dolly.

6. Connect safety cable under vehicle on dolly tongue to solid frame body of towed vehicle. See Figure #7



Figure #5



Figure #6



Figure #7

7. Remove steering lock pin located on driver's side of tow dolly (left side) from the locked (rear) position and place it in the storage position in front of the tow dolly fender. Doing this allows the dolly to steer. See **Figure #8 and #9**

8. Place aluminum light bar, sold separately, on vehicle on top or trunk lid. Use straps provided. Plug light bar into at plug provided on tow dolly left fender. See **Figure #10.**

9. Loading low cars, or cars with low front air dams, use 2" x 8" wood planks, approximately 3' long, to raise car before reaching dolly. Planks are not provided with dolly.

4.



Figure #8



Figure #9



Figure #10

BEFORE TOWING - CHECKLIST:

- _____ Both straps in place; very tight. Ratchet handles down.
- _____ One safety cable to towed vehicle.
- _____ Dolly connected to class 3 hitch 2" ball with not less than 3/4" shank
- _____ Check clearance lights, turn signals, brake lights.
- _____ Make sure steering lock pin is in released position, front.
- _____ Use aluminum light bar on rear of towed vehicle.
- _____ Make sure all tires are inflated to proper level.

TOWING SAFETY PRECAUTIONS:

1. Tow only as fast as traffic and road condition will allow.
2. Check your ability to stop.
3. Check tie-down straps frequently.
4. When towing backwards, make certain steering wheel is locked use seat belt or strap to secure wheel from turning in addition to wheel lock. Wheel should be straight.
2. Towed vehicle should be in park if drive axle is loaded on dolly. Brakes should be released. Steering locked.
3. When towing backwards, steering play can cause instability. Use caution - keep speed below 40 m.p.h. if swaying exists.

5.