



4101 GARLAND DR, FORT WORTH, TX 76117
Ph 817-485-6073 Fax 817-428-6008
www.starindustries.com

Revised April 22, 2008
Bulletin – OM1390B-0408

OPERATOR'S MANUAL

Model 1390B Lift-N-Tow

SPECIFICATIONS

The Star Model 1390B Lift-N-Tow is manufactured to meet or exceed all OSHA requirements and has been tested for the following lift capacity ratings:

- ❖ Lift Hook – maximum load capacity 4,000 lbs.
- ❖ 2" square Trailer Adapter Receiver
Lift capacity - 2,000 lbs.
Towing capacity – 10,000 lbs. MGTW
Caution: Some trailer adapters may be rated less and consequently would de-rate the capacity of receiver to their rated capacity.
- ❖ Optional Model 1393 Combo Hitch Trailer Adapter –
2" Ball and Pintle Hitch –
Lift Capacity - 2,000 lbs.
Towing Capacity – 10,000 lbs. MGTW

INSTALLATION, USE, & SAFETY PRECAUTIONS

Prior to Use:

Inspect the Lift-N-Tow to ensure it is in safe operating condition and account for all necessary components. If any defects or damage are found discontinue use until corrections or safety assessment can be made by qualified personnel.

Installation:

Install on forklift by inserting both forks fully into the Lift-N-Tow pockets so that the rear of Lift-N-Tow is against the back of the fork. Wrap the safety chain around a strong part of the forklift carriage. Be sure to choose an attachment point on the forklift that keeps the chain as level as possible. Take as many wraps as needed to take up the slack then hook the chain back onto itself making sure the open part of the grab hook is pointing down.. Chain angle must not exceed 45°.

Swivel Hook

A swivel hook is located on the underside of the Lift-N-Tow for picking suspended loads. The hook is rated at 4000 lbs. lift capacity and is 30" from the back of the Lift-N-Tow. The 4000 lbs rating is for the Lift-N-Tow and does not reflect the capacity of the forklift. Furthermore, the increased load center of the hook (increased from the 24" standard to 30") and the weight of the Lift-N-Tow de-rates the capacity of the forklift and must be taken into consideration when lifting loads. The forklift manufacturers should be able to provide de-rated load charts if requested. Take care not to overload the forklift.

Trailer Adapter Receiver

The receiver mounted on top of the Lift-N-Tow accepts standard 2" square trailer adapters. The adapter must be secured with the hitch pin and hairpin provided. The receiver is rated for up to 2,000 lbs. lift capacity and 10,000 lbs. maximum gross towing weight (M.G.T.W) however; the capacity of many of the trailer adapters are less and their capacity should not be exceeded.

General Safety Requirements

Forklift operator must be properly trained and have required certifications. When using the Lift-N-Tow to move trailer mounted equipment or trailers make sure the Lift-N-Tow is properly secured to the forklift, the adapter is secured to the Lift-N-Tow, and the hitch is properly engaged. The forks should remain level when using the Lift-N-Tow. Also, be certain the forklift is capable of stopping the moving load.

When lifting with the hook make sure the hook is properly secured to the Lift-N-Tow and that the load is kept from swinging. Refer to the forklift operator's manual for proper operation and safety precautions for the forklift. Always observe all local, state, and federal Safety regulations.

Scheduled Inspections:

A visual inspection of the Lift-N-Tow should be performed by qualified personnel on a regular basis. The most critical areas to look at are around the receiver hitch welds and the areas around the hook plate and its welds. The trailer adapter, the ball or Pintle hitch, the swivel hook and shackle and the safety chain, shackle and grab hook should also be inspected for excessive wear, cracks, deformation, or missing parts. If a trailer ball is involved make sure the attachment nut is tight. If any defect is found that may affect safety, use of the Lift-N-Tow should be discontinued until proper repairs or parts replacements are made or it is determined that the defect will not compromise safety. In the meantime it should be clearly labeled "Do Not Use"

In addition it should be determined that the adapter and hitch capacity ratings are at least equal to the Lift-N-Tow receiver ratings – 2,000 lbs vertical lift and 10,000 GVTW. Hollow tube trailer adapters typically do not meet this requirement. If the adapter used is rated less, than the Lift-N-Tow it should be de-rated appropriately.

Decals should be replaced if found missing or illegible. Required decals include "Maximum Load Capacities and Caution" decal, "Empty Weight" decal and the Data Plate decal. Replacement decals are available from Star Industries at a nominal cost.

Frequency of visual inspections should be based on individual usage patterns. We recommend that you perform inspections on the same basis as you inspect the forklift. Daily, weekly, etc. The forklift operator should do a visual inspection at the beginning of every shift looking for notable visible damage or missing parts.