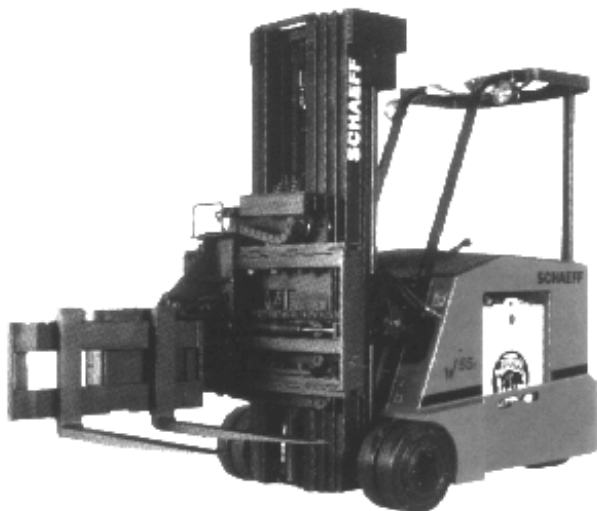




SCHAEFF

W90t *TURRET*

SUPPLEMENT TO
WAREHOUSING SERIES
OPERATING MANUAL



TURRET ATTACHMENT

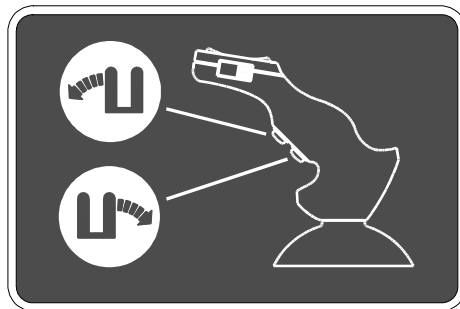
THIS MANUAL IS INTENDED AS A SUPPLEMENT TO THE WAREHOUSING SERIES OPERATING MANUAL (P/N 6840001). READ AND UNDERSTAND THE OPERATING MANUAL AND THE TURRET SUPPLEMENT BEFORE OPERATING THE W90T.

DESCRIPTION

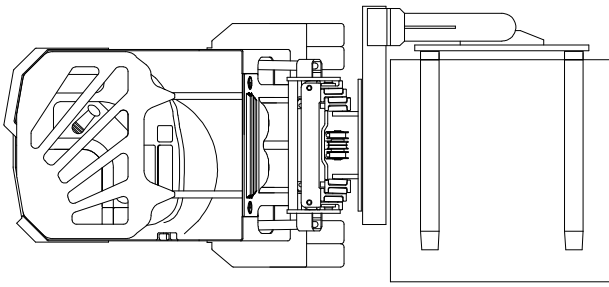
The W90t is a Warehousing Series forklift specially designed for the turret attachment with extra counterweights, dual front drive wheels, and increased mast rail overlap. The turret attachment sideshifts and pivots the forks 180° for access to both sides of an aisle without turning the forklift.

OPERATING THE ATTACHMENT

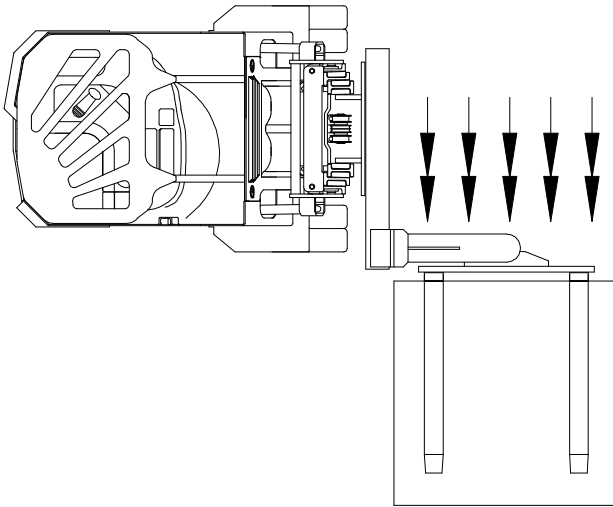
- w Follow all operating instructions in the Warehousing Series Operating Manual.
- w Know the forklift's capacity according to the Specification / Identification Nameplate. Make sure the weight and center-of-gravity of the load match the specifications.
- w Know the forklift's gross weight according to the Specification / Identification Nameplate. With a load, your forklift may weigh over 15,000 pounds.
- w Your forks should not exceed the length of the load and should be adjusted as wide apart as the load will accept.
- w The controls function as described in the Operating Manual:
 - v The turret truck may not be equipped with mast tilt, so pressing tilt forward or tilt back may have no effect.
 - v Press sideshift left and right to sideshift the carriage.
 - v Press the top aux button on the control handle grip to pivot the forks to the left (counter-clockwise) at low speed. Hold this button and press the bottom aux button for high speed.
 - v Press the bottom aux button to pivot the forks to the right (clockwise) at low speed. Hold this button and press the top button for high speed.



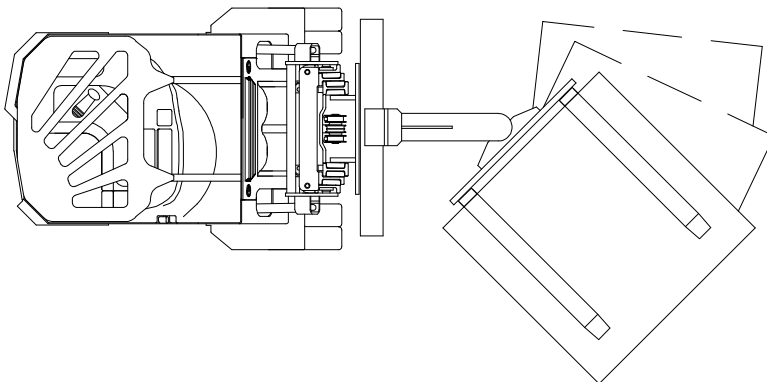
- w When travelling, watch side clearance, especially if the load extends beyond the width of the chassis.
- w Be careful when turning while traveling chassis first. The load will swing wide in the opposite direction.



- w Travel with the load in a lowered and centered position. This will increase the truck stability and operator visibility.



- w **DO NOT** sideshift the attachment when loaded unless the truck is in a storage rack area or in a lowered position. This could cause the truck to tip.



- w **DO NOT** rotate the turret attachment when loaded unless the load is in a lowered position. This could cause the truck to tip.

MAINTENANCE

The Turret attachment, in most applications needs only to be serviced after 1000 hours. It is highly recommended to visually check the turret attachment daily for obvious problems. Always inspect the turret after any collisions, shocks, or unusual noises.

200 HOUR INSPECTION

- w Visually inspect all bearings and tracks
- w Inspect all hoses and hose carrier assembly
- w Check chain tensions during rotation

1000 HOUR INSPECTION

- w Perform all operations in the 200 hour inspection
- w Clean all moving parts
- w Clean the rotation chain. Inspect the condition of the chain and connecting links. Lubricate with motor oil or light grease.
- w Clean and inspect the condition of the rack and pinion assembly. Lubricate with high quality grease (see Lubrication Chart).
- w Locate the grease fitting for the pivot shaft and grease (see Lubrication Chart).
- w Grease the eight main load bearings (see Lubrication Chart).
- w Check all structural assemblies and bolt-on parts for tightness.

2000 HOUR INSPECTION

- w Perform all operations in the 200 and 1000 hour inspections.
- w Inspect the rotation chain; any excessive wear requires replacement.
- w Inspect all roller bearings; any surface imperfection or noise during operation requires replacement.
- w Inspect pivot head assembly; any excessive wear will require the replacement of the bushings.
- w Inspect the forks. Any cracks in the forks requires replacement.
- w Inspect all hydraulic connections and components.

LUBRICATION CHART

| Manufacturer | Bearings | Rack & Pinion |
|--------------|-----------------|------------------------|
| Shell | Alvania EP2 | Cardium EP Compound C |
| Exxon | Ronex WB | Surrett Fluid 30 |
| Texaco | Multifax EP2 | Crater 2X and 3X Fluid |
| Mobil | Mobilux EP2 | Mobiltac C |
| Union | Unoba EP2 | Gearite HVY |
| Sun | Prestige 742 EP | Gear Compound 407 |

Other lubricants of the same quality from other manufacturers may also be used.

Before greasing the bottom rack gear, the gear teeth must be cleaned, especially at the bottom of the teeth.