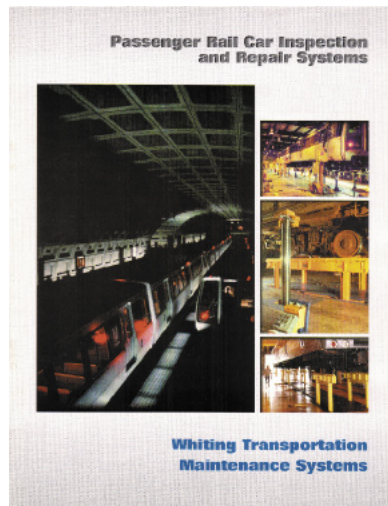




Whiting Equipment Canada Inc.
Passenger Rail Car inspection and Repair Systems





www.whiting.ca

Whiting Provides Engineering To Enhance Your Maintenance Operations



Intercity, Commuter, Rapid Transit & Light Rail Inspection and Repair Systems



Car Hoists

Body Hoists

Body Supports

Truck Repair Hoists

Transfer Tables

Turntables

Portable Electric Jacks

Drop Tables

Car Progression Systems

Overhead Cranes



Dependable, service tested Whiting maintenance equipment is available in a variety of arrangements to speed maintenance and reduce costs and downtime. Electric motor powered multi-hoist units can be arranged to lift single or coupled cars. All units are synchronized and interlocked to maintain minimum elevation variations.

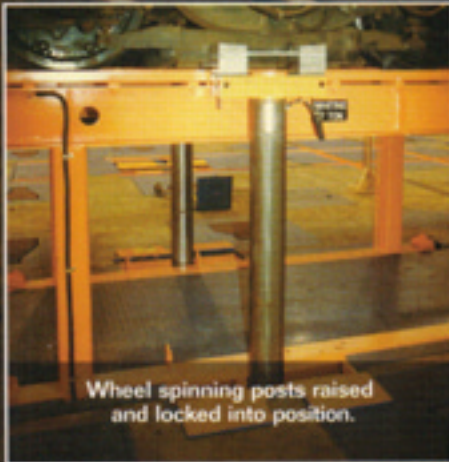
Use of the mechanical screw and nut principle allows hoisting and holding at any position within the complete range of the hoist. Whiting Systems Engineering offers design and layout services to suit your requirements. In addition to hoisting and holding, all equipment for car and train moving, as well as overhead crane systems are all available from a single source.

We invite you to take advantage of our experience in planning intercity and transit shops. A conference at your convenience can easily be arranged.

Car Hoists • Body Hoists



Car Hoists raise pair of transit cars to a convenient height for worker access to underbody components.



Wheel spinning posts raised and locked into position.



Construction is arranged so that the entire underside of the car is free of obstruction.



Body Hoists support the car in a level position during truck removal.

Car Hoists

Car Hoists raise the entire transit car to a convenient height for worker access to underbody components. Utilizing a rugged, proven, mechanical screw/nut design, two or four screw designs are standard in capacity ranges to 50 tons. Cars can be raised individually, articulated, or in married pairs with electrically synchronized Car Hoists positioned under each truck location. An important feature of the electro-mechanical screw/nut design requires motor power to the Car Hoist to both raise and lower, thus minimizing the possibility of inadvertent lowering of the Hoist with personnel under the car.

Spinning posts, capable of assuming the car load at the truck frame may be incorporated into the Car Hoist to allow the wheels to be rotated for various audio/visual inspections.

Body Hoists

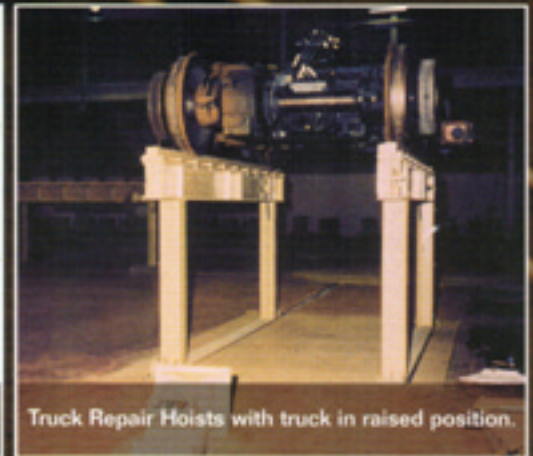
Body Hoists utilize lifting pads that contact the transit car at pre-determined jacking points. Body Hoists, when used in pairs at both ends of cars, can be used in conjunction with a Car Hoist. Once a car is in position, the Body Hoists are elevated into contact with the jacking pads on the car. The Body Hoists can be used in conjunction with the Car Hoists to provide body and truck separation, or for elevating the bodies to convenient heights for under car inspection and repair. Standard capacities range from 5 to 20 tons.

Whiting Provides Engineering To Enhance Your Maintenance Operations

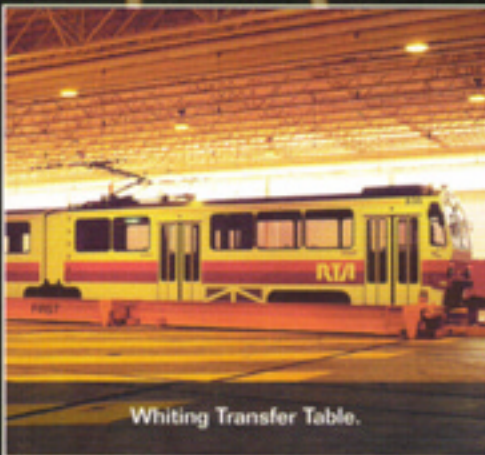
Body Supports • Truck Repair Hoist • Transfer Tables



Body Supports holding in a level position during truck removal.



Truck Repair Hoists with truck in raised position.



Whiting Transfer Table.



Pitless Transfer Table transporting articulated pair of transit cars.

Body Supports

Body Supports are similar to Body Hoists and are powered to raise or lower their own weight only. The Body Support, however, has no motive power capability to lower or raise the car but provides support of the car body only when trucks are being removed. Car Hoists are required to be used with Body Supports. Standard capacities range from 5 to 20 tons.

Truck Repair Hoists

Truck Repair Hoists are similar to Car Hoists. A Truck Repair Hoist's primary purpose is to provide the maintenance personnel with convenient access height for repair of the truck. Truck Repair Hoists are placed in line with or adjacent to the truck release track, with a capacity equivalent to the truck weight.

Transfer Tables

The Transfer Table is an invaluable tool for maintaining traffic flow between tracks in a car repair or maintenance shop. While Transfer Tables normally require a pit up to several feet deep, Whiting can supply a table not requiring any pit. This design is unique in that it still permits normal traffic flow on a track even when the Transfer Table is busy on another track.

Turntables • Portable Electric Jacks



Bogie truck on Truck Turntable revolving 90° to release track.



Portable Electric Jack.



45 1/2 ton Transit Car Turntable.



Standard Portable Electric Jacks with special lifting brackets for transit car hoisting.

Turntables

Turntables are available in different sizes based upon the application. Large diameter Car Turntables equalize wheel wear due to prevailing track system curves by rotating the entire car 180°. Turntables are also available to rotate a single truck in 90° increments. These can be either manual or motorized in their rotation. Both ball bearing and caster designs have been in use for many years. Recently designed car shops utilize a Truck Turntable on each service track between Car Hoists. This arrangement allows selection change-out of any truck regardless of its position. Whiting Turntables are extremely rugged and balanced, and are especially suitable for transit service.

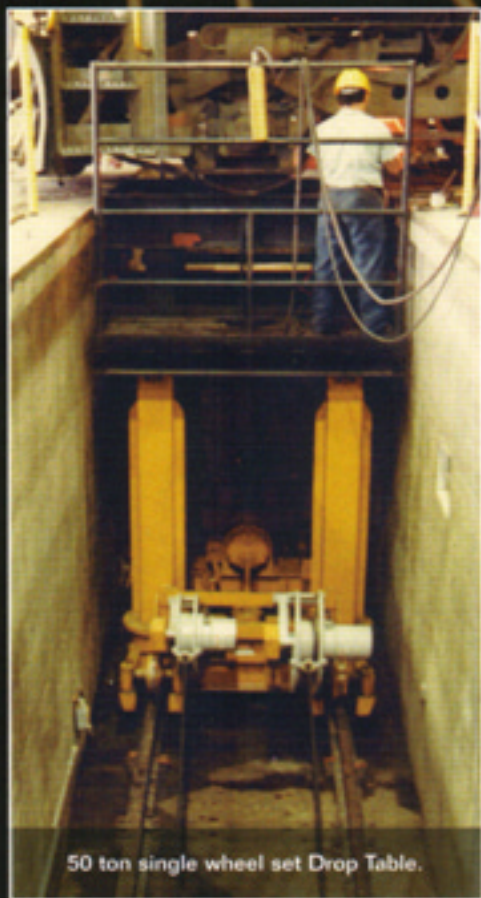
Portable Electric Jacks

Whiting Portable Electric Jacks consist of a steel base containing worm gearing. Welded to the base is a structural steel column assembly housing an alloy steel jackscrew and jack nut. The jack nut travels on the screw and supports the lifting bracket. A single operator manning a Portable Electric Jack station can control simultaneous operation of any number of jacks. Each jack may also be operated individually.

Whiting Portable Jacks can be equipped with a variety of specialized lifting brackets to meet the requirements of unique lifting operations. Jack capacities range from 15 to 60 tons.

Whiting Provides Engineering To Enhance Your Maintenance Operations

Drop Tables • Car progression Systems



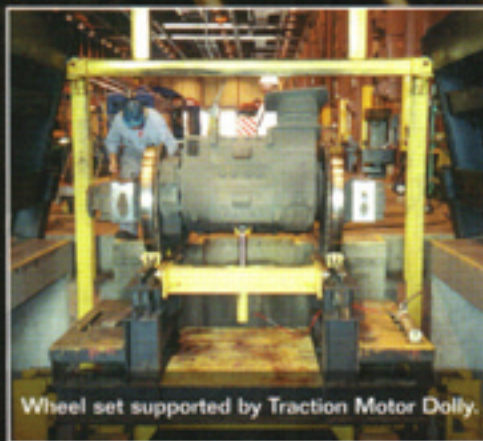
50 ton single wheel set Drop Table.



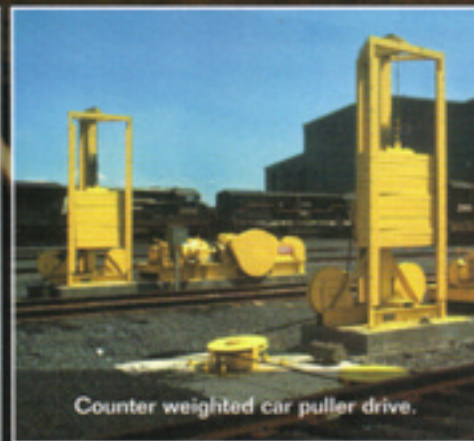
100 ton Drop Table with service top.



Remote controlled robot-type Car Progression Systems can be operated with wire rope or chain depending on application.



Wheel set supported by Traction Motor Dolly.



Counter weighted car puller drive.

Drop Tables

Whiting Drop Tables are available in capacities to transfer any locomotive truck from a service track to a release track...quickly and easily. Various types of release track tops are available including tops that raise automatically as the Drop Table is raised; or fixed tops that can be removed by overhead cranes.

All Whiting Drop Table designs are adaptable to your service requirements. Installations now serve pits from 4 feet to 26 feet in width; capacities range from 20 to 250 tons.

Whiting Traction Motor Dollies are used with Drop Tables to make single axle with traction motor change-outs easy.

Car Progression Systems

Car Progression Systems may be partially or fully automated with remotely controlled robot arms partially enclosed in buried track to move one or more cars.

The load advancing robot arm can contact the car axle, coupler, car end frame, journal box or other point consistent to the cars being progressed. A Progression System can also be used to move trucks (only) to and from a truck repair area.

Overhead Cranes



All cranes meet
CMAA Specification No. 70.

Overhead Cranes

Overhead Cranes are highly efficient material handling machines. Cranes for transit maintenance and repair shops may be cab, floor or remote controlled. Whiting Overhead Cranes combine top value with economy by utilizing the latest Computer Aided Design techniques to minimize engineering costs. Structural designs optimized through computerization, and cost reductions accomplished through mass manufacturing techniques, contribute to providing our customers the best value available in the crane industry today. Over 115 years of crane manufacturing history together with our knowledgeable and well trained staff of installers, instructors and service personnel make any turnkey project as simple and easy as saying "Whiting".

Whiting Transportation Systems

To Enhance Your Maintenance Operations

Equipment Design & Fabrication

Our knowledgeable sales and application engineers look carefully at your needs and work with you to see that they are all considered. Then the design a production specialists take over to ensure that these needs are met. Whiting's well-trained and qualified engineering staff includes registered professional engineers together with experienced designers and technicians who will concentrate on your order. They are backed by an extensive, well-equipped and well-managed manufacturing facility where production and inventory controls assure timely execution of each contract Whiting combines superior technology with innovation d service to provide you with the fine products available.

Whiting Services & Training

Whiting technical support specialists can provide advisory or supervisory assistance during installation or at any time thereafter. We can train your staff to do routine inspections and maintenance or we can perform the work for you. Our experienced people are available to complement and support your people in any way necessary.

The Whiting PARTnership

As part of Whiting's continuing support at your facility, we have experienced parts personnel available to meet with you to review your replacement parts needs. Please call us at 1-800- 407-3384 to help you manage your parts inventory. We can help you maximize equipment uptime and minimize inventory costs.

*The entire Whiting Team
is ready to help
you with your specific needs
Contact us today*

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