

Brought to you by Pro Gear &
Transmission.

For parts or service call:

877-776-4600
407-872-1901



www.globaldifferentialsupply.com

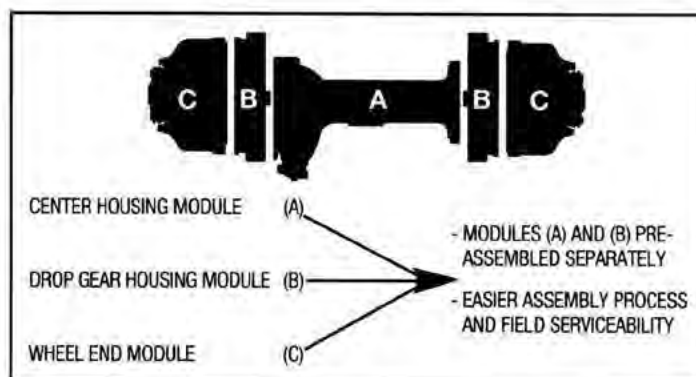
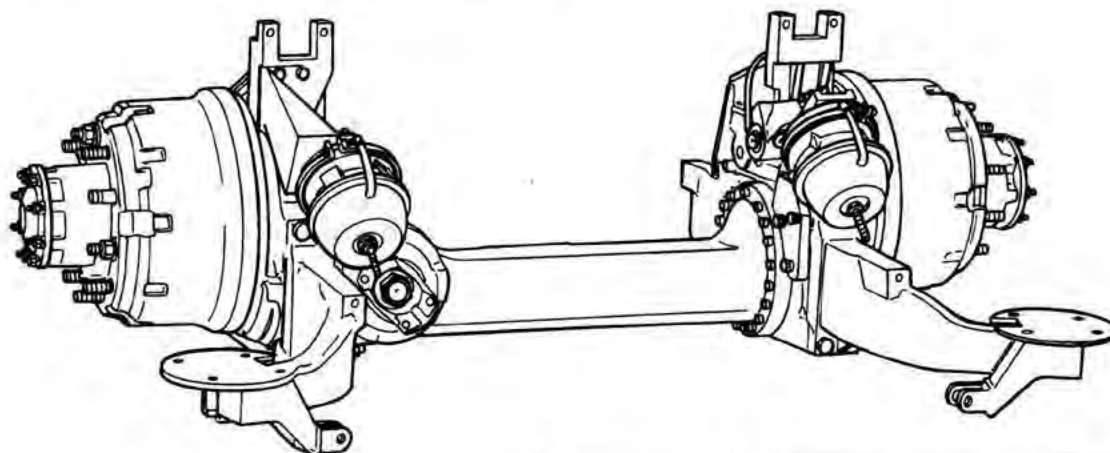
906 W. Gore St. Orlando, FL 32805
parts@eprogear.com



Rockwell

PRODUCT PROFILE

Inverted Portal Drive Axle RC-26-720



Product Summary

Rockwell's RC-26-720 inverted portal axle responds to the transit coach industry trend toward low-floor bus designs by eliminating the need for steps inside the coach. The drop center design of the axle requires only a shallow ramp from the center of the bus over the rear axle.

The modular design of the RC-26-720, consisting of five separate units, greatly simplifies service by allowing the center housing, drop gear housings and wheel ends to be assembled and serviced independently, before combining the units into a full assembly.

The RC-26-720 features hypoid/helical double-reduction gearing designed for smoother, quieter operation, and uses industry-standard wheel end componentry.

Rockwell Cast Plus brakes offer the added durability and reliability that coaches demand. The brake consists of a single, heavy-duty casting rather than multiple stampings welded together. In addition, the Cast Plus shoe table is compatible with Rockwell's Q Plus extended life brake linings. (Refer to TP-96106 for more information).

Optional wheel end ABS preparation with tone ring and sensor is available.

Features

Benefits

| | |
|--|---|
| Drop center design | Permits low floor design (no steps in bus) |
| Modular design | Center housing, gear housings, and wheel ends can be assembled independently for easier service |
| Rotating adjusters | No special tools required |
| Hypoid and helical ground gears | Low noise and consistent performance |
| Laser welded differential case | Eliminates potential for joint loosening; allows for larger differential gears to resist shock load failures |
| Large differential gear nest 4.96" (126 mm) | Larger diameter resists shock load failures |
| Forged gears | Forged gears stronger than cut gears |
| Equipped with air bag suspension arms | Air beams included in axle package to make complete axle specification for OEM |
| Ground drive bevel and helical gearing | Gear grinding creates consistent and accurate gear tooth profiles to reduce gear noise |
| P900* bevel pinion bearings *Registered trademark of Timken | Superior processing improves steel cleanliness resulting in fatigue life improvements over standard pinion bearings |
| Standard Rockwell wheel end | Common design for easier servicing and parts availability |
| Cast Plus Brakes: | |
| Cast shoes | Excellent dimensional integrity in service; reusable |
| Camshafts hardened and chrome plated | Superior resistance to damage from contamination and moisture |
| Chrome-plated anchor pins with lubrication fittings | Improves wear resistance and resists moisture damage |
| Bronze camshaft bushings | Better resistance to contamination |
| 3X drums | Extra material to permit turning up to 3 times before discarding drum |
| Uses Rockwell Q Plus linings | 27% thicker for extended mileage between relines; added durability |

Specifications: RC-26-720

| GAWR RATING* POUNDS (kg) | TRACK INCHES (mm) | OVERALL INCHES (mm) | BRAKES & SIZES INCHES (mm) | HUBS & DRUMS BOLT CIRCLE DIAMETER INCHES (mm) | RATIOS | ABS | SUSPENSION ARMS | INPUT |
|-----------------------------|----------------------|------------------------|--|---|--------------------------|----------|--------------------|--------------------------------------|
| 26,000 (11800) | 75.6 (1920) | 102 (2591) | 16.5 x 8.625 Cast Plus (419 x 219) | Hub Pilot 10 Stud-13.19 (335) | 4.64, 5.24 5.90, 6.36 | Optional | Integral | Left Hand Rear Input 80 Degree |

*Permitted use of axles and components, including capacity ratings where stated vary with application and service. Applications should be approved by Rockwell Off-Highway and Specialty Products and Brake Engineering Departments. Approved ratings may be higher or lower than indicated above, dependent upon engineering review.

For more information, call 800-535-5560.



Off-Highway and Specialty Products
Rockwell International Corporation
 2135 West Maple Road
 Troy, MI 48064 USA
<http://www.heavyvehicle.rockwell.com>

© Copyright 1996
 Rockwell International

Litho in U.S.A.

Issued 9-96
 TP-96114 (47865/11900)