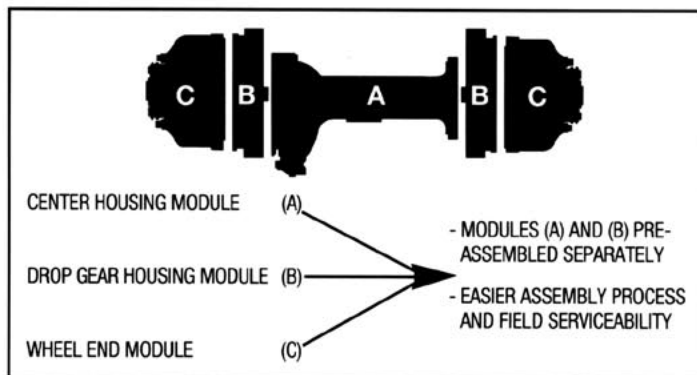
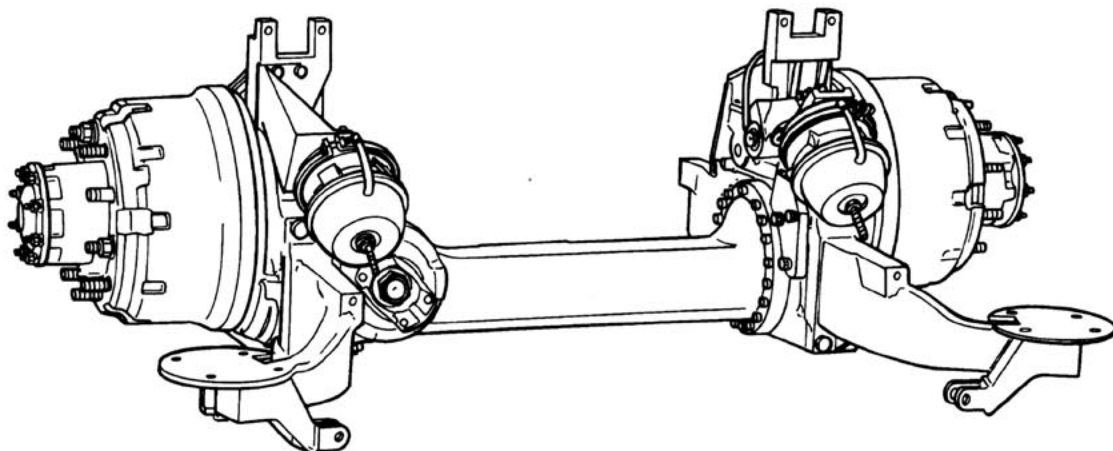




## PRODUCT PROFILE

# 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
<b>Cast Plus Brakes:</b>	
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.

