To place orders for all genuine Spicer® products, call 1.800.621.8084. For details on core inspections or general information, and refer to the Spicer Core Guide on www.SpicerParts.com.

Product Information: SpicerParts.com | E-Catalog and parts locator: DanaAftermarket.com
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Genuine Spicer® Commercial Vehicle Carrier Core Guide
(Including Core Acceptance Reference Guide)

Section 1

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Section 1 – Core Policy

GENERAL POLICY
Cores must be returned within 12 months of purchase to the designated Dana core return location. Core balances after 12 months will be removed from the core bank.

EXAMPLE: An EX series carrier is purchased on 2/11/19. You will have eligibility to return that carrier through 2/28/20

• Only the cores from axle models listed in Table 1 are eligible for return.
• Please return cores securely contained to the pallet. Damage while in transit due to poorly secured core(s), will be the responsibly of the customer.
• Cores will be credited one-for-one based on the core groupings in Table 1.
• Cores will not be accepted if returned in unusable condition. See Table 2 for core deduction categories.

CORE INVOICES/CREDITS
• Core transactions will be invoiced and reported in units using the core group number in Table 1.
• Cores returned will be credited against the oldest core eligible within the core group.

CORE ELIGIBILITY & BANKS
• Core eligibility will be reported by core group, please refer to Table 1.

RETURNING CORES
• Please call Dana at 800-621-8084 to receive your RMA number.
• Dana will arrange shipment for twelve (12) or more cores - freight paid by Dana.
• Shipments of eleven (11) or less must be returned prepaid.
Identification of Axle Models

LOCATING MODEL DESIGNATION INFORMATION

- Axle Model Identification, Part Number and Serial Number are located on a tag at the axle centerline. This information will help you navigate this guide and identify the correct parts for servicing.

NOTE
- This is the serial number of the carrier assembly assigned by the manufacturing plant. This number will be ten (10) characters in length. Two (2) alpha characters for the plant code and eight (8) numbers.

PLANT CODE:  
- HN - HENDERSON, KY
- MY - MONTERREY, MX

USING MODEL DESIGNATION TO IDENTIFY AXLE COMPONENTS

- The Axle Model Identification number contains information that is important when purchasing service parts or new components, including vehicle, capacity and application information and model features. Use this guideline to understand your Axle Model Identification. If you need assistance, contact your Dana representative.

FOR CARRIERS THAT HAVE A MISSING TAG, LOOK FOR ANY OF THE FOLLOWING:

- Casting Number
- Ring Gear Number
- Pinion Number
- Input Case Number
- Input Shaft Number
- Call our core management line at 800-621-8084 for identification assistance

D S P - 40 - (P)

- Optional Lube Pump
- GAW Rating x 1000lbs.
- P-Premium
- Gearing
- S-Single Reduction
- D- Driver Controlled
- Differential Lock

P 20 060 S

- Options:
  - D- Differential Lock
  - L-Limited Slip
  - NS-No Spin
  - R-Retarder Ready
  - S-Single Reduction
- Series
- GAW Rating x 1000lbs.
### Table 1: Core Group Listing

<table>
<thead>
<tr>
<th>Axle Model</th>
<th>Core Group Numbers</th>
<th>Core Deposit</th>
<th>Average Core Weight (lbs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>R145S</td>
<td>DANAR145CORE</td>
<td>$500</td>
<td>250</td>
</tr>
<tr>
<td>D155, D155P, D156, D156P</td>
<td>DANAD155CORE</td>
<td>$1,750</td>
<td>475</td>
</tr>
<tr>
<td>D155D, D155DP, D156D, D156DP</td>
<td>DANAD155DCORE</td>
<td>$1,750</td>
<td>500</td>
</tr>
<tr>
<td>R155, R156, R155/156</td>
<td>DANAR155CORE</td>
<td>$1,000</td>
<td>300</td>
</tr>
<tr>
<td>R155D, R156D, R155/156D</td>
<td>DANAR155DCORE</td>
<td>$1,000</td>
<td>300</td>
</tr>
<tr>
<td>D170, D170P, S170E, D172, D172P</td>
<td>DANAD170CORE</td>
<td>$2,500</td>
<td>635</td>
</tr>
<tr>
<td>D170D, D170DP, S170E, D172D, D172DP</td>
<td>DANAD170DCORE</td>
<td>$3,000</td>
<td>675</td>
</tr>
<tr>
<td>S170, S170BC, S170NS, S170R</td>
<td>DANAS170CORE</td>
<td>$2,000</td>
<td>460</td>
</tr>
<tr>
<td>S170D, S170BC, S170DR</td>
<td>DANAR170CORE</td>
<td>$2,000</td>
<td>460</td>
</tr>
<tr>
<td>S/R172, S/R172P</td>
<td>DANAR172CORE</td>
<td>$2,000</td>
<td>460</td>
</tr>
<tr>
<td>S/R175, S/R175P</td>
<td>DANAR175CORE</td>
<td>$2,500</td>
<td>475</td>
</tr>
<tr>
<td>S/R175D, S/R175DP</td>
<td>DANAR175DCORE</td>
<td>$2,500</td>
<td>475</td>
</tr>
<tr>
<td>D190, D190D, D590, D590D, S190E, S190E, S590, S590D</td>
<td>DANAD190CORE</td>
<td>$3,000</td>
<td>685</td>
</tr>
<tr>
<td>S190, S190D, S190DR, S190NS, S190R</td>
<td>DANAS190CORE</td>
<td>$2,500</td>
<td>475</td>
</tr>
<tr>
<td>DD404, DD404P, DDH40, DDH40P, DDP40, DDP40P</td>
<td>DANADD404CORE</td>
<td>$1,200</td>
<td>450</td>
</tr>
<tr>
<td>DS344, DS404, DS405, DS405P, DSH40, DSH40P, DSH44, DSH44P, DSP40, DSP41, DSP40P, DSP41P, DST40, DST41P</td>
<td>DANADS404CORE</td>
<td>$1,000</td>
<td>450</td>
</tr>
<tr>
<td>19060D, 19060D PB, 21060D, 21060D PB, P20060DR, RD404, RD405, RDH40, RDH40, RDP40, RDP41</td>
<td>DANARD404CORE</td>
<td>$900</td>
<td>300</td>
</tr>
</tbody>
</table>

### Table 2: Core Deduction Schedule

<table>
<thead>
<tr>
<th>Description</th>
<th>Deduction Percentage from Full Core Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Visible cracks, bulges, broken carrier or power divider cover</td>
<td>50%</td>
</tr>
<tr>
<td>B. Missing parts</td>
<td>50%</td>
</tr>
<tr>
<td>C. Disassembled carrier</td>
<td>25%</td>
</tr>
<tr>
<td>D. Burned up unit (low oil)</td>
<td>100%</td>
</tr>
<tr>
<td>E. Core not in active core group</td>
<td>100%</td>
</tr>
<tr>
<td>F. Failure to use approved Dana carrier (Shipments greater than 11 pieces)</td>
<td>$250 deduction</td>
</tr>
<tr>
<td>G. Failure to drain carrier</td>
<td>$100 deduction</td>
</tr>
</tbody>
</table>

Missing parts, including but not limited to: ring & pinion, input, output shaft, inter-axle differential assembly, helical gears.
Core Acceptance / Deduction Guidelines

Code: A
VISIBLE CRACKS, BULGES, BROKEN CARRIER OR POWER DIVIDER COVER

- Failure crack through carrier housing
- Bulge/Crack in carrier housing

Code: B
MISSING PARTS

- Carrier Core missing “Input Shaft”
- Carrier Core missing “Power Divider Cover”
  Carriers were opened up and additional parts missing
Core Acceptance / Deduction Guidelines

**Code: C**

DISASSEMBLED CARRIER

Carrier Cores sent in disassembled. Usually in baskets, on skids or in boxes

**Code: D**

BURNED UP UNIT (LOW AND/OR NO OIL)

Carrier Cores with evidence of failure related to low or no oil (burn-ups) are not eligible for credit

**Code: E**

CORE NOT IN ACTIVE CORE GROUP

Carrier Core must be included in an active core group (see Table 1) to be eligible for credit

**Code: G**

FAILURE TO DRAIN THE CARRIER

Carrier Core must have all lubricants drained before shipment. Any core received with lubricant will be subject to deduction
For more information on Spicer products, visit SpicerParts.com. For our e-catalog and parts locator, visit DanaAftermarket.com.

### Core Identification Chart

#### Serial Tag Locations

**Forward Tandem Carrier**
- Tag Location

**Rear Tandem/Single Axle Carrier**
- Tag Location

### Core Deductions

<table>
<thead>
<tr>
<th>Axle Model</th>
<th>Core Group Numbers</th>
<th>Core Deposit</th>
<th>Avg. Core Wgt. (lbs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>R145S</td>
<td>DANAR145CORE</td>
<td>$500</td>
<td>250</td>
</tr>
<tr>
<td>D155, D155P, D156, D156P</td>
<td>DANAD155CORE</td>
<td>$1,750</td>
<td>475</td>
</tr>
<tr>
<td>D155D, D155DP, D156D, D156DP</td>
<td>DANAD155DCORE</td>
<td>$1,750</td>
<td>500</td>
</tr>
<tr>
<td>R155, R156, R155/156</td>
<td>DANAR155CORE</td>
<td>$1,000</td>
<td>300</td>
</tr>
<tr>
<td>R155D, R156D, R155/156D</td>
<td>DANAR155DCORE</td>
<td>$1,000</td>
<td>300</td>
</tr>
<tr>
<td>D170, D170P, S170E</td>
<td>DANAD170CORE</td>
<td>$2,500</td>
<td>635</td>
</tr>
<tr>
<td>D170D, D170DP, S170DE</td>
<td>DANAD170DCORE</td>
<td>$3,000</td>
<td>675</td>
</tr>
<tr>
<td>S170, S170BC, S170NS, S170R</td>
<td>DANAS170CORE</td>
<td>$2,000</td>
<td>460</td>
</tr>
<tr>
<td>S170D, S170D, S170RC, S170NS, S170R</td>
<td>DANAS170DCORE</td>
<td>$2,000</td>
<td>475</td>
</tr>
<tr>
<td>D190, D190D, D590, D590D, S190DE, S190E, S590, S590D</td>
<td>DANAD190CORE</td>
<td>$3,000</td>
<td>685</td>
</tr>
<tr>
<td>S190, S190D, S190DR, S190NS, S190R</td>
<td>DANAS190CORE</td>
<td>$2,500</td>
<td>475</td>
</tr>
<tr>
<td>DD404, DD404P, DD404P, DD404P, DD404, DD404P</td>
<td>DANADD404CORE</td>
<td>$1,200</td>
<td>450</td>
</tr>
<tr>
<td>DS344, DS404, DS405, DS405P, DS405P, DS404, DS404P, DS404P, DS404P, DS404P, RS404, RS404, RS404, RS404, RS404, RS404P, RS404P</td>
<td>DANADS404CORE</td>
<td>$1,000</td>
<td>450</td>
</tr>
<tr>
<td>19060D, 19060D PB, 21060D, 21060D PB, 21060DR, RD405, RD405, RD405, RD405, RD405, RD405, RD405, RD405, RD405, RD405, RD405</td>
<td>DANARD404CORE</td>
<td>$900</td>
<td>300</td>
</tr>
<tr>
<td>19060S, 19060S BC, 19060S NS, 19060S PB, 19060S PB, 19060S PB BC, 21060S, 21060S BC, 21060S PB, 21060S PB, 21060S PB, 21060S PB, 21060S PB, 21060S PB, 21060S PB, RS404, RS404, RS404, RS404, RS404, RS404, RS404, RS404, RS404</td>
<td>DANARS404CORE</td>
<td>$750</td>
<td>300</td>
</tr>
</tbody>
</table>

Visible cracks, bulges, broken carrier or power divider cover.

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**CORE IDENTIFICATION CHART**

**SERIAL TAG LOCATIONS**

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**SPICER® CORE DEDUCTIONS**

- **B**
  - Broken cover
  - Missing parts
- **C**
  - Disassembled carrier
- **D**
  - Burned-up unit (low oil)

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*R145S (PRO-40), S/R172 and S/R175 MODELS NOT ILLUSTRATED

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