**POWERFORCE® - A Premium Brand for Power and Drive**  
Remanufactured Transmissions:

**POWERFORCE®** is the premium brand offered by Central Power Systems & Services. With the expertise to produce, in volume, a quality, durable, reliable, and price competitive remanufactured Allison transmission.

All **POWERFORCE®** transmissions are completely remanufactured..............

........NOT rebuilt!

By using proprietary factory specifications, lean manufacturing procedures, genuine OEM parts, state-of-the-art test equipment, and proper final calibrations, **POWERFORCE®** transmissions guarantee the highest quality and best value for our customers.

As an Allison Distributor since 1953, it’s our #1 goal to ensure quality first. **POWERFORCE®** Allison transmissions are remanufactured back to the original factory specifications. With up-to-date training and factory certified overhaul specialists, it’s our pleasure to offer you **POWERFORCE®** the most dependable remanufactured product available.

### General Specification & Application Data

**Model: PF AT 545**

Model shown is a remanufactured **POWERFORCE® At 545**

**General Rating:**

Application ratings vary significantly from general ratings. Contact Central Power Systems & Services for specific vocational ratings.

#### Transmission Model and Applications

<table>
<thead>
<tr>
<th>Original Manufacturer</th>
<th>Allison</th>
</tr>
</thead>
<tbody>
<tr>
<td>Allison Series</td>
<td>AT</td>
</tr>
<tr>
<td>Remanufacturer</td>
<td><strong>POWERFORCE®</strong></td>
</tr>
<tr>
<td><strong>POWERFORCE®</strong> Model Number</td>
<td>PF AT 545</td>
</tr>
</tbody>
</table>

**Applications**

- Emergency Vehicle
- P & D Truck
- Airport Shuttle
- Street Sweeper
- Flat Bed Truck
- Tanker
- Utility Truck
- Stepvan
- Motor Home
- School Bus
- Other Applications Available

### Transmission Specifications

| Full Load Governed Speed Diesel | 2400-4000 rpm |
| Full Load Governed Speed Gasoline | 3200-4400 rpm |

**Engine Mounting**

- SAE#3 Flywheel Housing
- Additional Adaptation Required

**Oil Pan Options**

- 5.1 Inch

**Fluid Type**

- TES™ 295 Approved Fluid

### Power Ratings

<table>
<thead>
<tr>
<th>Power Ratings</th>
<th>Unit</th>
<th>Diesel</th>
<th>Gasoline</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max Net Input Power Range</td>
<td>HP</td>
<td>150-235</td>
<td>150-235</td>
</tr>
<tr>
<td>Max Net Input Torque Range</td>
<td>lb ft</td>
<td>310-445</td>
<td>310-445</td>
</tr>
</tbody>
</table>

### Torque Converter Options

<table>
<thead>
<tr>
<th>Ratios</th>
<th>TC 275 (1.96:1), TC 290 (1.72:1)</th>
</tr>
</thead>
</table>

**Gear Ratios**

(Gear ratio does not include torque converter ratio)

- 1st Range: 3.45:1
- 2nd Range: 2.25:1
- 3rd Range: 1.41:1
- 4th Range: 1.00:1
- Rev. Range: -5.02:1

### Power Take-Off Gear Ratings

- Turbine Driven: 250 lb ft Intermittent Operation
- 200 lb ft Continuous Operation

**Engine Driven**

- Not Applicable in AT Models

### Shift Sequence

- (D) 1C-2C-3C-4C
- (3) 1C-2C-3C
- (2) 1C-2C
- (1) 1C

**Lockup**

- Lockup not available in AT 500 Models

**Second Gear Start Option**

- Option Available

C= Drive through the torque converter; L= Drive with Lockup engaged
Operators of the transmissions remanufactured by the POWERFORCE® team are assured a quality unit that considerably enhances the life of the equipment. The following below summarizes why it’s wise to select POWERFORCE®, A Premium Brand For Power and Service:

- Remanufactured....not rebuilt or repaired
- Remanufactured back to the original factory OEM specifications
- A certified Allison transmission remanufacturing distributor
- All transmissions are dyno’d, pressure and leak checked, and load tested
- A custom built remanufacturing facility
- Large inventory for premium remanufactured swing transmissions
- 60 years of transmission experience as an Allison distributor
- Factory certified transmission specialists
- Established track record in performance and reliability
- Backed-up by the POWERFORCE® warranty

Model: PF AT 545 Transmission

Transmission Configuration Details

<table>
<thead>
<tr>
<th>Fluid Specifications</th>
<th>Transmission Dimensions * (All dimensions are in inches)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial Fill **</td>
<td>Fluid Type</td>
</tr>
<tr>
<td>20 US Quarts</td>
<td>TES™ 295 Approved Fluid</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* All measurements are approximate and for estimation purposes only.
** The amount of transmission fluid shown in the following chart does not include the amount required to fill external circuits

POWERFORCE® Transmissions comply with applicable codes and standards

All data subject to change without notice. The information in this white-page specification is believed to be accurate but all recommendations are made without warranty, since the conditions of use are beyond Central Power Systems & Services control. Central Power Systems & Services disclaims any liability in connection with the use of this information, and does not warrant against infringement by reason of the use of any of its products in combination with other material or in any process. Central Power Systems & Services warrants only that the product complies with specifications agreed to in contracts of sale. Central Power Systems & Services reserves the right to change any of the technical information and data detailed in this paper.

www.powerforce.com