**STEIGER History**

John Steiger and his sons, Douglas and Maurice, were successful farmers near Red Lake Falls, Minnesota. They needed a larger tractor in their farming operation that was not available commercially. They built the first STEIGER tractor in their barn on the Steiger farm during the winter of 1957.

The first tractor weighed 15,000 pounds, was made mostly from salvaged parts, and was powered by a Detroit 6-71 Diesel Engine. It ran well enough to accumulate 10,000 hours of field time in just 10 years. This tractor is currently displayed in a West Fargo, North Dakota, museum.

The second tractor was much smaller and was powered by a 3-71N Detroit Diesel Engine. The first tractor commercially sold by Steiger, only six units were produced. One of these units is on display at the West Fargo museum.

In 1963, the Steigers became serious about building tractors and designed a series of units for sale. Douglas Steiger served as the chief designer while Maurice Steiger headed production. A marketing agent, Earl Christensen, was assigned in Elbow Lake, Minnesota. Earl later became one of the first STEIGER dealers.

A total of five agricultural tractor models were built in the barn and sold commercially. They were (in order of release):

<table>
<thead>
<tr>
<th>Model</th>
<th>Engine</th>
<th>Engine HP</th>
<th>Transmission</th>
<th>Axles</th>
</tr>
</thead>
<tbody>
<tr>
<td>2200</td>
<td>6V71N Detroit</td>
<td>238</td>
<td>Spicer 9-speed</td>
<td>Dana</td>
</tr>
<tr>
<td>1700</td>
<td>6V53N Detroit</td>
<td>216</td>
<td>Spicer 9-speed</td>
<td>Clark</td>
</tr>
<tr>
<td>1250</td>
<td>4-53N Detroit</td>
<td>130 est.</td>
<td>Funk 4-speed</td>
<td>Clark</td>
</tr>
<tr>
<td>3300</td>
<td>8V71N Detroit</td>
<td>328</td>
<td>Clark 8-speed</td>
<td>Clark</td>
</tr>
<tr>
<td>800 Tiger</td>
<td>V903 Cummins</td>
<td>300</td>
<td>Spicer 10-speed</td>
<td>Dana</td>
</tr>
</tbody>
</table>

These tractors all had different frame sizes, in tune with the Steiger design theory—to match the correct size frame to engine horsepower size. The 800 Tiger was the first to use a Cummins engine, a 903 V-8. A model 850 log skidder was also produced.

During the barn production time frame, approximately 125 tractors were built on the Steiger farm with the help of 20 employees. These tractors were distributed in both the U.S. and Canada.

Due to increased demand, Douglas and Maurice Steiger reached an agreement with private businessmen from North Dakota and Minnesota to move production to Fargo, N. D. in 1969. Steiger Tractor Incorporated was formed and located in Fargo, North Dakota, with 26 employees. One of the original buildings used is one block from the current plant location. Initially the 1700s were made in Fargo while the 2200s and 3300s were built on the farm.

The farm became the experimental test center and soon the first STEIGER Wildcat was produced. Other tractor names included Super Wildcat, Cougar, Bearcat, Cougar, and Turbo Tiger.

In 1970, a nation-wide network of 66 dealers was established.

Growth continued and production was moved to a second plant that currently houses the Case Engineering Test Center in Fargo.

In May 1974, ground was broken for the current production facility. The new 420,000 sq. ft. manufacturing plant was finished in less than a year and had the capacity to produce a new STEIGER tractor every 18 minutes. In the 1970’s, more than 1,100 people worked at the STEIGER facility.
In 1976, the Series III tractors were introduced and an Australian subsidiary was established with 50 selling dealers.

During this time frame, STEIGER also produced more than 10,000 tractors for Allis-Chalmers, Ford, CCIL’s Canadian CO-OP Implement Limited and International Harvester.

In 1977, annual sales hit $104 million and in 1979 the plant built its 10,000th tractor.

In 1982, the Panther 1000 Series was introduced. It was the first model to have a 12-speed full powershift transmission, electronic controls, a comfortable deluxe cab and PFC hydraulics.

In 1983, the Tiger "KP" Series IV model was introduced at 525 horsepower and a 6 x 4 Allison powershift transmission.

In January 1986, another revolutionary tractor, the PUMA 1000, was introduced. It was the first STEIGER tractor built with a steerable front axle and articulated steering, making maneuvering in row crop applications with a larger tractor possible. In the same year, a 12-speed powershift transmission was introduced on all STEIGER tractors.

The poor farm economy of the 80’s also took its toll on the STEIGER Tractor Co. With the worldwide farm economy struggling, STEIGER sold fewer tractors. In 1986, with the plant operating at 25% capacity, STEIGER filed for Chapter 11 bankruptcy protection. Later that year, Tenneco Inc., then the parent company of Case, bought the company.

With the purchase of STEIGER, Case continued producing the green STEIGER tractors and simultaneously introduced the first red 9100 Series Case IH STEIGER tractors. Production of green STEIGER tractors continued until June 1989.

In 1990, the 9200 Series was introduced with increased horsepower and other improvements to enhance performance and reliability.

In 1995, the 9300 Series was unveiled in Fargo, N.D. The 9300 Series “Powerful Heritage” tractors once again carried the respected STEIGER name.

In 1996, Case IH introduced the STEIGER QUADTRAC at 360 HP. In 1998, a 400-HP model was released. The unique QUADTRAC featured four separate tracks (one on each corner) which worked independently to provide a level of ground contact that cannot be matched by four-wheel drive or two-track systems. The new design reduced ground compaction and provided more traction and less slippage. In addition to being an outstanding farming vehicle, it also proved itself to be one of the best performing tractors ever produced to work in the tough scraper land-leveling market.

On November 20, 1997, the 40,000th STEIGER tractor was produced (this number only reflects STEIGER branded tractors and no others produced at the Fargo plant), marking a very important milestone in the exceptional history of STEIGER. Including tractors made for other manufacturers, more than 50,000 tractors have been produced by Steiger.

This brings us to the newest generation of STEIGER tractors, the STX Series. This new line of tractors is a totally new design with 13 versions of four models. They are:

- STX 275 – AccuSteer and standard wheel tractors
- STX 325 – AccuSteer and standard wheel tractors
- STX 375 – QUADTRAC, standard and heavy duty wheel tractors, scraper wheel and QUADTRAC
- STX 440 – QUADTRAC and standard wheel tractors, scraper wheel and QUADTRAC

The latest generation includes such innovations as 16-speed full powershift transmission, up to 55 gpm hydraulic flow, electronic remotes, luxury cabs, Case IH designed and built axles, CAN data bus bar electronics, and state-of-the-art, full authority electronic engines.
Introduction

The STEIGER® Tractor Model Identification Guide is intended to be used as a quick reference source to aid the Case IH dealer parts, sales, and service personnel to identify a customers specific STEIGER 4WD tractor by model/year and/or major components (and when possible other key differences or variations) unique to these tractor models.

This manual also contains important information regarding tractor specifications, beginning serial number by model/year and part numbers for belts and filters for older STEIGER tractors built before 1986.

This manual is divided into major sections by tractor series. Early STEIGER tractors (1969-1986) are identified as Series I, Series II, Series III, Industrial Series, Series IV and the 1000 Series. Within the series a designated feline family name was used to differentiate the chassis size and horsepower range. For example; Series I Wildcat (small chassis), Series I Cougar (intermediate chassis), and Series I Tiger (large chassis). Starting with Series II production, in addition to the series designation and feline family name, an alpha-numerical model designation was added to identify the many Series II and III tractor model categories.

The Series III model designations are fully explained throughout this section of the manual.

Beginning in late 1986, the first 9100 Case IH Series tractors went into production. These tractors were designated as the 9110, 9130, 9150, 9170, 9180 and 9190 4 WD models according to chassis size and horsepower range. These were the first STEIGER 4 WD tractors to be painted “red” with the Case IH brand name.

Examples of the model/serial number plate and P.I.N. codes and usage are also shown for each applicable early production model tractor. Dealer personnel should become familiar with the P.I.N. (Product Identification Number) and usage codes. It is important to remember that the P.I.N. plates shown on the pages in this manual are examples only. Always use the actual P.I.N. shown on the tractor along with the code information provided for each model example shown for tractor models built before 1987.

Product Identification Numbers (P.I.N.) listed in this publication represent the first tractor model build and/or manufacturing plant new year product update and may not necessarily represent a particular calendar or tractor model year.

For each Series and/or Model tractor listed in this manual a Parts Catalog part number is listed to aid in determining which Parts Catalog to reference for a specific series or model 4WD tractor.

IMPORTANT: Because many tractors may have been field upgraded in some manner from original production, the dealer should always refer to the correct Parts Catalog listed and Field Service Bulletins if there is any question on service parts usage.

Information contained in this publication pertains to Standard Production tractors only. No attempt is made to identify tractors built to special order sales requests.
## Historical Data

### Serial Number Range By Model and Year

#### Series I

<table>
<thead>
<tr>
<th>YEAR</th>
<th>WILDCAT</th>
<th>S/WILDCAT</th>
<th>BEARCAT</th>
<th>COUGAR</th>
<th>TIGER</th>
<th>TURBO TIGER</th>
</tr>
</thead>
<tbody>
<tr>
<td>1969</td>
<td>8000-8058</td>
<td>8000-8075</td>
<td></td>
<td></td>
<td>850-851</td>
<td></td>
</tr>
<tr>
<td>1970</td>
<td>8059-8318</td>
<td>8076-8321</td>
<td>2000-2039</td>
<td></td>
<td>852-858</td>
<td></td>
</tr>
<tr>
<td>1971</td>
<td>8319-8368</td>
<td>8322-8404</td>
<td>2040-2274</td>
<td>10002-10005</td>
<td>859-868</td>
<td></td>
</tr>
<tr>
<td>1972</td>
<td>8369-8552</td>
<td>8405-8542</td>
<td>2275-2441</td>
<td>20006-20091</td>
<td>869-876</td>
<td></td>
</tr>
<tr>
<td>1973</td>
<td>8553-8630</td>
<td>8543-8667</td>
<td>2442-2819</td>
<td>20092-20375</td>
<td></td>
<td>30002-30062</td>
</tr>
<tr>
<td>1974</td>
<td>8668-8675</td>
<td>2820-2890</td>
<td>20376-20432</td>
<td></td>
<td></td>
<td>30063-30097</td>
</tr>
</tbody>
</table>

#### Series II

<table>
<thead>
<tr>
<th>SERIES II BUILT IN 1974</th>
<th>SERIES II BUILT IN 1975</th>
<th>SERIES II BUILT IN 1976</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
<td>Beginning S/N</td>
<td>Model</td>
</tr>
<tr>
<td>RC 200</td>
<td>50001</td>
<td>RC 200</td>
</tr>
<tr>
<td>RC 225</td>
<td>55001</td>
<td>RC 225</td>
</tr>
<tr>
<td>ST 200</td>
<td>9001</td>
<td>ST 200</td>
</tr>
<tr>
<td>ST 225</td>
<td>3001</td>
<td>ST 225</td>
</tr>
<tr>
<td>ST 300</td>
<td>20501</td>
<td>ST 300</td>
</tr>
<tr>
<td>ST 310</td>
<td>90001</td>
<td>ST 310</td>
</tr>
<tr>
<td>ST 320</td>
<td>30101</td>
<td>ST 320</td>
</tr>
</tbody>
</table>
## Historical Data

### Series III

<table>
<thead>
<tr>
<th>SERIES III BUILT IN 1976</th>
<th>SERIES III BUILT IN 1977</th>
<th>SERIES III BUILT IN 1978</th>
<th>SERIES III BUILT IN 1979</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Model</strong></td>
<td><strong>Beginning S/N</strong></td>
<td><strong>Model</strong></td>
<td><strong>Beginning S/N</strong></td>
</tr>
<tr>
<td>ST 210</td>
<td>100-0001</td>
<td>ST 210</td>
<td>100-00500</td>
</tr>
<tr>
<td>RC 210</td>
<td>101-0001</td>
<td>RC 210</td>
<td>101-00477</td>
</tr>
<tr>
<td>ST 220</td>
<td>103-0001</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ST 250</td>
<td>104-0001</td>
<td>ST 220</td>
<td>103-00187</td>
</tr>
<tr>
<td>ST 280</td>
<td>105-0001</td>
<td>ST 250</td>
<td>104-00266</td>
</tr>
<tr>
<td>ST 251</td>
<td>106-0001</td>
<td>ST 270</td>
<td>105-00330</td>
</tr>
<tr>
<td>ST 310</td>
<td>107-0001</td>
<td>ST 310</td>
<td>106-00166</td>
</tr>
<tr>
<td>ST 320</td>
<td>108-0001</td>
<td>ST 310</td>
<td>107-00314</td>
</tr>
<tr>
<td>ST 325</td>
<td>123-0001</td>
<td>ST 325</td>
<td>123-00123</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ST 450</td>
<td>139-00001</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ST 350</td>
<td>139-00001</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PT 270</td>
<td>141-00001</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PT 225</td>
<td>143-00001</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PT 270</td>
<td>140-00000</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PT 250</td>
<td>141-00000</td>
</tr>
</tbody>
</table>

### Series III BUILT IN 1980

<table>
<thead>
<tr>
<th>SERIES III BUILT IN 1981</th>
<th>SERIES III BUILT IN 1982</th>
<th>SERIES III BUILT IN 1983</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Model</strong></td>
<td><strong>Beginning S/N</strong></td>
<td><strong>Model</strong></td>
</tr>
<tr>
<td>ST 210</td>
<td>100-00595</td>
<td>ST 250</td>
</tr>
<tr>
<td>ST 270</td>
<td>105-00872</td>
<td>ST 270</td>
</tr>
<tr>
<td>ST 251</td>
<td>106-00737</td>
<td>ST 251</td>
</tr>
<tr>
<td>ST 250</td>
<td>107-00887</td>
<td>ST 310</td>
</tr>
<tr>
<td>ST 225</td>
<td>109-00001</td>
<td>ST 225</td>
</tr>
<tr>
<td>ST 325</td>
<td>123-00887</td>
<td>ST 280-Cu</td>
</tr>
<tr>
<td>ST 450</td>
<td>129-00007</td>
<td>ST 280-Ca</td>
</tr>
<tr>
<td>ST 470</td>
<td>130-00174</td>
<td>ST 325</td>
</tr>
<tr>
<td>ST 350</td>
<td>139-00061</td>
<td>ST 450</td>
</tr>
<tr>
<td>PT 350</td>
<td>140-00062</td>
<td>ST 470</td>
</tr>
<tr>
<td>PT 225</td>
<td>141-00537</td>
<td>ST 350</td>
</tr>
<tr>
<td>PT 250</td>
<td>142-00007</td>
<td>PT 350</td>
</tr>
<tr>
<td>PT 270</td>
<td>143-00211</td>
<td>PT 225</td>
</tr>
<tr>
<td>PTA 297</td>
<td>149-00042</td>
<td>PT 270</td>
</tr>
<tr>
<td>PTA 325</td>
<td>150-00036</td>
<td></td>
</tr>
<tr>
<td>PTA 270</td>
<td>151-00001</td>
<td>PTA 325</td>
</tr>
<tr>
<td>PTA 310</td>
<td>152-00002</td>
<td>PTA 270</td>
</tr>
<tr>
<td>PTA 325</td>
<td>153-00001</td>
<td>PTA 310</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PTA 251</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PTA 280-Cu</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PTA 280-Ca</td>
</tr>
</tbody>
</table>
### Industrial Series CA-CU

<table>
<thead>
<tr>
<th>INDUSTRIAL BUILT IN 1982</th>
<th>INDUSTRIAL BUILT IN 1983</th>
<th>INDUSTRIAL BUILT IN 1984</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Model</strong></td>
<td><strong>Beginning S/N</strong></td>
<td><strong>Model</strong></td>
</tr>
<tr>
<td>CA 280</td>
<td>160-00501 161-00501</td>
<td>CA 280</td>
</tr>
<tr>
<td>CU 280</td>
<td></td>
<td>CA 325</td>
</tr>
<tr>
<td>CA 325</td>
<td>162-00501 163-00501</td>
<td>CA 325</td>
</tr>
<tr>
<td>CU 325</td>
<td></td>
<td>CA 360</td>
</tr>
<tr>
<td>CA 360</td>
<td>164-00501 165-00501</td>
<td></td>
</tr>
<tr>
<td>CU 360</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Series IV

<table>
<thead>
<tr>
<th>SERIES IV BUILT IN 1983</th>
<th>SERIES IV BUILT IN 1984</th>
<th>SERIES IV BUILT IN 1985</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Model</strong></td>
<td><strong>Beginning S/N</strong></td>
<td><strong>Model</strong></td>
</tr>
<tr>
<td>KM 225</td>
<td></td>
<td>CM 225</td>
</tr>
<tr>
<td>CM 250</td>
<td></td>
<td>CM 250</td>
</tr>
<tr>
<td>CM 280</td>
<td>111-03001 110-03001</td>
<td>CM 280</td>
</tr>
<tr>
<td>KM 225</td>
<td></td>
<td>KM 280</td>
</tr>
<tr>
<td>CM 280</td>
<td></td>
<td>CM 280</td>
</tr>
<tr>
<td>KM 280</td>
<td>123-03001 107-03001</td>
<td>CM 280</td>
</tr>
<tr>
<td>CM 325</td>
<td></td>
<td>CM 325</td>
</tr>
<tr>
<td>KM 325</td>
<td>123-03001 107-03001</td>
<td>CM 325</td>
</tr>
<tr>
<td>CM 325</td>
<td>123-03001 107-03001</td>
<td>CM 325</td>
</tr>
<tr>
<td>KS 325</td>
<td>119-04001 150-03001 152-03001</td>
<td>SM 325</td>
</tr>
<tr>
<td>CS 325</td>
<td></td>
<td>CS 325</td>
</tr>
<tr>
<td>KS 325</td>
<td></td>
<td>KS 325</td>
</tr>
<tr>
<td>CM 360</td>
<td>115-03001 116-03001 156-03001</td>
<td>CM 360</td>
</tr>
<tr>
<td>KM 360</td>
<td></td>
<td>KS 360</td>
</tr>
<tr>
<td>CM 360</td>
<td></td>
<td>KP 525</td>
</tr>
<tr>
<td>KM 360</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Cougar 1000 Series

#### C1000 BUILT IN 1985

<table>
<thead>
<tr>
<th>Model</th>
<th>Beginning S/N</th>
</tr>
</thead>
<tbody>
<tr>
<td>CR 1225 (Bar axle)</td>
<td>C01-05001</td>
</tr>
<tr>
<td>CR 1225 (Std axle)</td>
<td>C05-05001</td>
</tr>
<tr>
<td>KR 1225 (Bar axle)</td>
<td>C02-05001</td>
</tr>
<tr>
<td>KR 1225 (Std axle)</td>
<td>C06-05001</td>
</tr>
<tr>
<td>CR 1280 (Bar axle)</td>
<td>C03-05001</td>
</tr>
<tr>
<td>CR 1280 (Std axle)</td>
<td>C07-05001</td>
</tr>
<tr>
<td>KR 1280 (Bar axle)</td>
<td>C04-05001</td>
</tr>
<tr>
<td>KR 1280 (Std axle)</td>
<td>C08-05001</td>
</tr>
</tbody>
</table>

### Panther 1000 Series

<table>
<thead>
<tr>
<th>P1000 BUILT IN 1982</th>
<th>P1000 BUILT IN 1983</th>
<th>P1000 BUILT IN 1984</th>
<th>P1000 BUILT IN 1985</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
<td>Beginning S/N</td>
<td>Model</td>
<td>Beginning S/N</td>
</tr>
<tr>
<td>CP 1325</td>
<td>P03-00501</td>
<td>CP 1325</td>
<td>P03-00501</td>
</tr>
<tr>
<td>KP 1325</td>
<td>P04-00501</td>
<td>KP 1325</td>
<td>P04-00501</td>
</tr>
<tr>
<td>CP 1360</td>
<td>P07-00501</td>
<td>CP 1360</td>
<td>P07-00501</td>
</tr>
<tr>
<td>KP 1360</td>
<td>P08-00501</td>
<td>KP 1360</td>
<td>P08-00501</td>
</tr>
<tr>
<td>CP 1400</td>
<td>P09-00501</td>
<td>CP 1400</td>
<td>P09-00501</td>
</tr>
<tr>
<td>KP 1400</td>
<td>P10-00501</td>
<td>KP 1400</td>
<td>P10-00501</td>
</tr>
</tbody>
</table>

### STEIGER 1000 Powershift Series

#### BEGINNING S/N BUILT IN EARLY 1986

<table>
<thead>
<tr>
<th>PUMA 1000 POWERSHIFT</th>
<th>BEARCAT 1000 POWERSHIFT</th>
<th>COUGAR 1000 POWERSHIFT</th>
<th>PANTHER 1000 POWERSHIFT</th>
<th>LION 1000 POWERSHIFT</th>
</tr>
</thead>
<tbody>
<tr>
<td>S01-6001</td>
<td>C09-6078</td>
<td>C11-6042</td>
<td>P01-6503</td>
<td>P05-6501</td>
</tr>
<tr>
<td></td>
<td>C10-6044</td>
<td>C12-6043</td>
<td>P02-6502</td>
<td>P06-6506</td>
</tr>
<tr>
<td></td>
<td>C13-5473</td>
<td>C15-5479</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>C14-5475</td>
<td>C16-5476</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### STEIGER 1000
#### Powershift Series

- **Note:** Case IH and STEIGER merged in late 1986. Except for paint color and decals, tractors built in 1986 and 1987 were the same model-for-model as follows:

<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>STEIGER MODEL</td>
<td>CASE IH MODEL</td>
</tr>
<tr>
<td>PUMA</td>
<td>9110</td>
</tr>
<tr>
<td>BEARCAT</td>
<td>9130</td>
</tr>
<tr>
<td>COUGAR</td>
<td>9150</td>
</tr>
<tr>
<td>COUGAR</td>
<td>9170</td>
</tr>
<tr>
<td>PANTHER</td>
<td>9180</td>
</tr>
<tr>
<td>LION</td>
<td>9190</td>
</tr>
<tr>
<td>KP525</td>
<td></td>
</tr>
</tbody>
</table>

### 9100 Series

<table>
<thead>
<tr>
<th>BEGINNING S/N BY YEAR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year</td>
</tr>
<tr>
<td>------</td>
</tr>
<tr>
<td>1988</td>
</tr>
<tr>
<td>1990</td>
</tr>
</tbody>
</table>

### 9200 Series

<table>
<thead>
<tr>
<th>BEGINNING S/N BY YEAR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year</td>
</tr>
<tr>
<td>------</td>
</tr>
<tr>
<td>1990</td>
</tr>
<tr>
<td>1991</td>
</tr>
<tr>
<td>1992</td>
</tr>
<tr>
<td>1993</td>
</tr>
<tr>
<td>1994</td>
</tr>
<tr>
<td>1995</td>
</tr>
</tbody>
</table>

### 9300 Series

<table>
<thead>
<tr>
<th>BEGINNING S/N BY YEAR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year</td>
</tr>
<tr>
<td>------</td>
</tr>
<tr>
<td>1995</td>
</tr>
<tr>
<td>1996</td>
</tr>
<tr>
<td>1997</td>
</tr>
<tr>
<td>1998</td>
</tr>
</tbody>
</table>
Historical Data

Axle Wheel End Identification Reference

MA98F014

Note: Axle Models Raba K594 00/10 and K598 00/10 have 3 inboard and 5 outboard (3 x 5) planetary gears in the wheel end. Axle Models K594 20/30 and K598 20/30 have 5 inboard and 5 outboard (5 x 5) planetary gears in the wheel end. Some K598 00/10 axle wheel ends have been field upgraded to the 5 x 5 wheel end.
Wildcat, Super Wildcat & Bearcat
1969 - 1974

ENGINE: Cat 3145 V8 (WC)
Cat 3150 V8 (SWC)
Cat 3160 V8 (BC)

*AXLE: Clark, Dana, Rockwell or Adjustable bar (option)

CLUTCH: Spicer 14 inch 2 plate, 4 or 6 button - cerametalic discs, pull type release

TRANSFER CASE: Swinging type, 3-shaft drop, 1:1 Ratio

HYDRAULIC SYSTEM: Open center, 2-stage single pump

TRANSMISSION: Fuller TA 4510-10 Speed Manual (P/N 01-7831)
               Spicer SST 1010-10 Speed Manual (P/N 01-2214)

PARTS CATALOG P/N: 37-085 (4-81)

*See reverse side for additional information.

Comments: Some early WC, SWC models have twin disc, push type release clutches.
### Beginning S/N Model Year

<table>
<thead>
<tr>
<th>Year</th>
<th>WC</th>
<th>SWC</th>
<th>BC</th>
</tr>
</thead>
<tbody>
<tr>
<td>1969</td>
<td>8000-8058</td>
<td>8000-8075</td>
<td></td>
</tr>
<tr>
<td>1970</td>
<td>8059-8318</td>
<td>8076-8321</td>
<td>2000-2039</td>
</tr>
<tr>
<td>1971</td>
<td>8319-8368</td>
<td>8322-8404</td>
<td>2040-2274</td>
</tr>
<tr>
<td>1972</td>
<td>8369-8552</td>
<td>8405-8542</td>
<td>2275-2441</td>
</tr>
<tr>
<td>1973</td>
<td>8553-8630</td>
<td>8543-8667</td>
<td>2442-2819</td>
</tr>
<tr>
<td>1974</td>
<td></td>
<td>8668-8675</td>
<td>2828-2890</td>
</tr>
</tbody>
</table>
# Series I & II WC, SWC & BC

## Axle Usage & Speed Chart Summary (24.5 x 32 R-1 Tires)

## Rockwell Standard Axle

<table>
<thead>
<tr>
<th>Comments</th>
<th>STEIGER P/N</th>
<th>Rockwell Model No.</th>
<th>OA Ratio</th>
<th>Planetary Ratio</th>
<th>Ring &amp; Pinion Ratio</th>
<th>Speed MPH</th>
<th>Tractor Model</th>
<th>S/N Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st axle used in these models</td>
<td>16-004(F) 16-005(R)</td>
<td>PR-150NX-5F PR-150NX-5R</td>
<td>24.599 24.599</td>
<td>3.60 3.60</td>
<td>6.833 6.833</td>
<td>24.7 24.7</td>
<td>WC, SWC WC, SWC</td>
<td>8350 &amp; below 8350 &amp; below</td>
</tr>
<tr>
<td>Field upgrade for 16-004 &amp; 16-005 Kit P/N 35-009 &amp; 24-010</td>
<td>16-703 16-704</td>
<td>PR-150NX-5W/ MPS PR-150NX-5W/ MPS</td>
<td>22.360 22.360</td>
<td>4.23 4.23</td>
<td>5.266 5.266</td>
<td>27.2 27.2</td>
<td>WC, SWC WC, SWC</td>
<td>8350 &amp; below 8350 &amp; below</td>
</tr>
</tbody>
</table>

## Clark Axle

| Clark HD Axle. May also have been field installed on some earlier BCI & BC II prior to S/N 3281 | 16-1294 16-1295 | D-19850(F) D-19850(R) | 29.143 29.143 | 6.0 6.0 | 4.857 4.857 | 18.21 18.21 | BC BC | 3281 & UP 3281 & UP |

## Dana Axle

| Dana Model No. | 16-012 was original axle assy P/N. Is no longer available | 16-863(F) 16-1864(R) | A-235 A-235 | 25.720 25.720 | 4.00 4.00 | 6.34 6.34 | 20.6 20.6 | SWC, BC SWC, BC | SWC 9100 BC 3673 |

## Adjustable Bar Axle (optional)

| Massey Model No. | Become optional on SWC & BC tractors in 1972 | 16-603(F) 16-604(R) | 1005F 1006R | 30.84 30.84 | 6.00 6.00 | 5.14 5.14 | 17.3 17.3 | SWC, BC SWC, BC |

### IMPORTANT:
Always refer to Series I & II WC, SWC & BC Parts Catalog P/N 37-085 (4-81) for specific information and part numbers regarding axles and usage.
Series I Wildcat, Super Wildcat & Bearcat (Cat 3100-V8)

BELT P/Ns
Engine Fan: .......................................................... 06-019
Alternator: ................................................................. 06-019 (55" std)
A/C Compressor: .................................................. 06-024

FILTER P/Ns
Engine Air (Primary): ........................................... 09-026S1 (std life)
Air Filter (Secondary): ........................................... 09-027
Cab Air: ................................................................. 24-029 (panel style)
Engine Oil: .............................................................. 28-006
Engine Fuel: ........................................................... 28-005
Transmission/Transfer Case: .............................. 28-007 (69-71 grey color)
Hydraulic (cartridge): ........................................ 28-004 (WC & SWC BSN 8519)
Hydraulic (spin-on): ............................................ 18-498 (after above SN’s)
Hydraulic Tank Relief: ........................................ 18-1633 (same usage as 28-004)
Series I Cougar
1971 - 1974

**ENGINE:** Cat - D333T, 6-cyl

**AXLE:** Clark or Dana

**CLUTCH:** Spicer 14 in. dual plates, 6 button ceramic

**HYDRAULIC SYSTEM:** Open center, 3-spool valve. 2-gear pumps (steering & remotes)

**TRANSFER CASE:** Swinging type, 3-shaft drop, with tapered roller bearings, 1:1 Ratio

**TRANSMISSION:** Spicer 1010 mechanical 10-speed

**PARTS CATALOG P/N:** 37-084 (8-80)

**Beginning S/N - Model Year**

<table>
<thead>
<tr>
<th>Year</th>
<th>Beginning S/N</th>
</tr>
</thead>
<tbody>
<tr>
<td>1971</td>
<td>10002</td>
</tr>
<tr>
<td>1972</td>
<td>20006</td>
</tr>
<tr>
<td>1973</td>
<td>20092</td>
</tr>
<tr>
<td>1974</td>
<td>20376</td>
</tr>
</tbody>
</table>
Series I Cougar
Axle Usage & Speed Chart Summary

<table>
<thead>
<tr>
<th>Comments</th>
<th>STEIGER P/N</th>
<th>Clark Model No.</th>
<th>OA Ratio</th>
<th>Planetary Ratio</th>
<th>Ring &amp; Pinion Ratio</th>
<th>Speed MPH</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st Clark Axle used in this model</td>
<td>16-1290(F)</td>
<td>D-33600F</td>
<td>26.125</td>
<td>4.125</td>
<td>6.333</td>
<td>15.9</td>
</tr>
<tr>
<td></td>
<td>16-1291(R)</td>
<td>D-33600R</td>
<td>26.125</td>
<td>4.125</td>
<td>6.333</td>
<td>15.9</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Dana Axle</th>
<th>Dana Model No.</th>
<th>OA Ratio</th>
<th>Planetary Ratio</th>
<th>Speed MPH</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>16-501 A-280</td>
<td>26.68</td>
<td>4.00</td>
<td>6.669</td>
</tr>
</tbody>
</table>

Series I Cougar ST 300 (Cat D333)

BELT P/Ns

- **Engine Fan:** 06-019 (BSN 20033)
- **Alternator:** 06-066 (w/o A/C)
- **A/C Compressor:** 06-024 (w/A/C)

FILTER P/Ns

- **Engine Air (Primary):** 28-020S1 (std life)
- **Engine Air (Safety):** 28-021
- **Cab Air:** 09-060
- **Engine Oil:** 28-024
- **Engine Fuel:** 28-025
- **Transmission:** 18-502
- **Hydraulic:** 28-007 (steering)
- **18-842 (remotes)**

MA98F016
Series I Turbo-Tiger
1973 - 1974

**ENGINE:** Cummins, VT903-V

**AXLE:** Clark or Dana

**CLUTCH:** Spicer 14 in. dual plates, 6 button ceramic

**HYDRAULIC SYSTEM:** Open center, 3-spool valve. 2-stage pump

**TRANSFER CASE:** Swinging type, 3-shaft drop, with tapered roller bearings, 1:1 Ratio

**TRANSMISSION:** Spicer 1010 mechanical 10-speed

**PARTS CATALOG P/N:** 37-084 (8-80)

### Beginning S/N - Model Year

<table>
<thead>
<tr>
<th>Year</th>
<th>Beginning S/N</th>
</tr>
</thead>
<tbody>
<tr>
<td>1973</td>
<td>30002</td>
</tr>
<tr>
<td>1974</td>
<td>30063</td>
</tr>
</tbody>
</table>
## Historical Data

### Series I Turbo-Tiger ST 320
(Cummins 903)

### BELT P/Ns
- **Engine Fan:** ...06-096
- **Alternator:** ...06-097
- **A/C Compressor:** ...06-066

### FILTER P/Ns
- **Engine Air (Primary):** 28-029S1 (std life)
  28-029 (ext. life)
- **Engine Air(Safety):** ...28-030
- **Cab Air:** ...09-060
- **Engine Oil:** 28-018 (cartridge, std)
  01-2187 (spin-on, if converted)
- **Luber Finer:** 28-028 (cartridge, std)
  90-1158T1 (spin-on, if converted)
- **Engine Fuel:** ...28-019
- **Transmission/Transfer Case:** ...18-502
- **Hydraulic:** ...18-842
- **Water:** ...28-031
Series II Model Tractors

Series II Super Wildcat
1974 - 1975

MODEL ST200

ENGINE: Cat 3150 V8 @ 200 HP (first production)
Cat 3208 V8 @ 200 HP (later production)

AXLE: Clark (Model 19850) or Dana (Model A-235) outboard planetary

CLUTCH: Spicer 14 inch dual plate

HYDRAULIC SYSTEM: Open center, Engine crankshaft driven 2-stage gear pump (steering and remotes)

TRANSFER CASE: Swinging type, 3-shaft drop, with tapered roller bearings and oil cooled, 1:1 Gear Ratio

TRANSMISSION: Dana-Spicer 1010 mechanical 10-speed, oil cooled.

Note: The transmission and transfer case on this model share a central oil sump.

PARTS CATALOG P/N: 37-085 (4-81)

Serial No. Range By Model/Year

<table>
<thead>
<tr>
<th>Year</th>
<th>Beginning S/N</th>
</tr>
</thead>
<tbody>
<tr>
<td>1974</td>
<td>9001</td>
</tr>
<tr>
<td>1975</td>
<td>9074</td>
</tr>
</tbody>
</table>

MODEL RC 200

ENGINE: Cat 3150 V8 @ 200 HP (first production)
Cat 3208 V8 @ 200 HP (later production)

AXLE: Adjustable Bar Style, 30.8 O/A Ratio

CLUTCH: Spicer 14 inch dual plate

HYDRAULIC SYSTEM: Open center, Engine crankshaft driven 2-stage gear pump (steering and remotes)

TRANSFER CASE: Swinging type, 3-shaft drop with tapered roller bearings and oil cooled, 1:1 Gear Ratio

TRANSMISSION: Fuller TA4510 mechanical 10-speed, oil cooled.
Historical Data

**Note:** The transmission and transfer case on this model share a central oil sump.

**PARTS CATALOG P/N:** 37-085 (4-81)

**Serial No. Range By Model/Year**

<table>
<thead>
<tr>
<th>Year</th>
<th>Beginning S/N</th>
</tr>
</thead>
<tbody>
<tr>
<td>1974</td>
<td>50001</td>
</tr>
<tr>
<td>1975</td>
<td>50043</td>
</tr>
</tbody>
</table>
### Series II Bearcat

#### 1974 - 1976

![Image of a Bearcat tractor](image_url)

#### MODEL ST 225

**ENGINE:** Cat 3160 V8 @ 225 HP (first production)
Cat 3208 V8 @ 210 HP (later production)

**AXLE:** Clark (Model 19850) or Dana (Model A-235) outboard planetary

**CLUTCH:** Spicer 14 inch dual plate

**HYDRAULIC SYSTEM:** Open center, Engine crankshaft driven 2-stage gear pump (steering and remotes)

**TRANSFER CASE:** Swinging type, 3-shaft drop with tapered roller bearings and oil cooled, 1:1 Gear Ratio

**TRANSMISSION:** Dana-Spicer 1010 mechanical 10-speed, oil cooled.

**Note:** The transmission and transfer case on this model share a central oil sump.

**PARTS CATALOG P/N:** 37-085 (4-81)

<table>
<thead>
<tr>
<th>Year</th>
<th>Beginning S/N</th>
</tr>
</thead>
<tbody>
<tr>
<td>1974</td>
<td>3001</td>
</tr>
<tr>
<td>1975</td>
<td>3402</td>
</tr>
<tr>
<td>1976</td>
<td>3772</td>
</tr>
</tbody>
</table>

#### MODEL RC 220

**ENGINE:** Cat 3160 V8 @ 225 HP (first production)
Cat 3208 V8 @ 210 HP (later production)

**AXLE:** Adjustable Bar Style, 30.8 O/A Ratio

**CLUTCH:** Spicer 14 inch dual plate

**HYDRAULIC SYSTEM:** Open center, Engine crankshaft driven 2-stage gear pump (steering and remotes)

**TRANSFER CASE:** Swinging type, 3-shaft drop with tapered roller bearings and oil cooled, 1:1 Gear Ratio

**TRANSMISSION** Fuller TA4510 or Dana-Spicer 1010 mechanical 10-speed, oil cooled.

**Note:** The transmission and transfer case on this model share a central oil sump.

**PARTS CATALOG P/N:** 37-085 (4-81)

<table>
<thead>
<tr>
<th>Year</th>
<th>Beginning S/N</th>
</tr>
</thead>
<tbody>
<tr>
<td>1974</td>
<td>55001</td>
</tr>
<tr>
<td>1975</td>
<td>55087</td>
</tr>
</tbody>
</table>
Series II
Super Wildcat & Bearcat
(Cat 3100-V8 or 3208-V8)

BELT P/Ns

Engine Fan: ................................................................. 06-019
Alternator: ................................................................. 06-019 (55") (SWC, BSN 3258 & BC BSN 9062)
................................................................................................. 06-076 (57” on some w/5” pulley on alt)
................................................................................................. 06-1464 (ASN above)
A/C Compressor: ................................................. 06-1428 (w/3100 Series Engine)
................................................................................................. 06-1451 (w/3208 Series Engine)

FILTER P/Ns

Engine Air (Primary): ................................................................. 09-026S1 (std life)
................................................................................................. 09-026 (ext. life)
Engine Air (Safety):
................................................................................................. 09-027
Cab Air: ................................................................................................. 64-084
Engine Oil: ................................................................................................. 28-006
Engine Fuel: ................................................................................................. 28-007 (w/3100 Series Engine)
................................................................................................. 28-025 (w/3208 Series Engine)
Transmission/Transfer Case: ................................................................. 18-502
Hydraulic: ................................................................................................. 18-498
Hydraulic Tank Relief: ................................................................................................. 18-1633
Series II Cougar
1974 - 1976

MODEL ST 300

ENGINE: Cat 3306T In-Line 6 cyl
AXLE: Clark (Model D33300) or STEIGER/Raba K598 00/10 outboard planetary
CLUTCH: Spicer-HD 14 inch dual plate
HYDRAULIC SYSTEM: Open center, 3-spool remote valve (std), 2-stage gear pump (steering and remotes)
TRANSFER CASE: Swinging type, oil cooled, tapered roller bearings with 1:1 Gear Ratio
TRANSMISSION: Spicer SST 1010 mechanical 10-speed, oil cooled.

Note: The transmission and transfer case on this model share a central oil sump.

PARTS CATALOG P/N: 37-084 (8-80)

Comments: The Series II Cougar, Panther and Turbo Tiger were the first tractors produced featuring the tilt-up hood.

<table>
<thead>
<tr>
<th>Model</th>
<th>Year</th>
<th>Beginning S/N</th>
</tr>
</thead>
<tbody>
<tr>
<td>ST 300</td>
<td>1974</td>
<td>20501</td>
</tr>
<tr>
<td>ST 300</td>
<td>1975</td>
<td>20726</td>
</tr>
<tr>
<td>ST 300</td>
<td>1976</td>
<td>21220</td>
</tr>
</tbody>
</table>
Historical Data

Series II Cougar
ST 300

BELT P/Ns
Engine Fan: ......................................................................................................................... 06-076 (w/D333 Engine)
............................................................................................................................... 06-1463 (w/3306 Engine)
Alternator: .................................................................................................................... (w/Fan))
A/C Compressor: .............................................................................................................. 06-024 (w/D333 Engine)
............................................................................................................................... 06-1428 (w/3306 Engine)

FILTER P/Ns
Engine Air (Primary): .................................................................................................... 28-020S1 (std life)
............................................................................................................................... 28-020 (ext. life)
Engine Air (Safety): ........................................................................................................ 28-021
Cab Air: ............................................................................................................................ 64-084
Engine Oil: ..................................................................................................................... 28-024 (w/D333 Engine)
............................................................................................................................... 28-036 (w/3306 Engine)
Engine Fuel: ................................................................................................................... 28-025
Transmission/Transfer Case: ......................................................................................... 18-502
Hydraulic: ...................................................................................................................... 18-842
Series II Panther
1974 - 1976

MODEL ST 310

ENGINE: Cummins NT-855-C310 in-line 6 cyl
AXLE: Dana (Model A305) or STEIGER/Raba K598 00/10 outboard planetary
CLUTCH: Spicer-HD 15 inch dual plate
HYDRAULIC SYSTEM: Open center, 3-spool remote valve (std), 2-stage gear pump (steering and remotes)
TRANSFER CASE: Swinging type, oil cooled, tapered roller bearings with 1:1 Gear Ratio
TRANSMISSION: Spicer SST 1010 mechanical 10-speed, oil cooled.

Note: The transmission and transfer case on this model share a central oil sump.

PARTS CATALOG P/N: 37-084 (8-80)

Comments: The first Panther model tractor introduced and featured the 855 Cummins 6-cyl engine and the tilt-up hood.

Serial No. Range By Model/Year

<table>
<thead>
<tr>
<th>Model</th>
<th>Year</th>
<th>Beginning S/N</th>
</tr>
</thead>
<tbody>
<tr>
<td>ST 310</td>
<td>1974</td>
<td>90001</td>
</tr>
<tr>
<td>ST 310</td>
<td>1975</td>
<td>90037</td>
</tr>
<tr>
<td>ST 310</td>
<td>1976</td>
<td>90337</td>
</tr>
</tbody>
</table>
Series II Panther
ST 310
(Cummins 855)

BELT P/Ns
Engine Fan: ......................................................................................................................... 06-1547
Alternator: .......................................................................................................................... 06-1545
A/C Compressor: ............................................................................................................... 06-1473
Water Pump: ....................................................................................................................... 06-1546

FILTER P/Ns
Engine Air (Primary): ........................................................................................................ 28-029 (std life)
.......................................................................................................................... 28-029 (ext. life)
Engine Air (Safety): ........................................................................................................... 28-030
Cab Air: ............................................................................................................................... 64-084
Engine Oil: ........................................................................................................................ 28-018 (cartridge, std)
.......................................................................................................................... 01-2187 (spin-on, if converted)
Luber Finer: ....................................................................................................................... 28-028 (cartridge, std)
.......................................................................................................................... 90-1158T1 (spin-on, if converted)
Engine Fuel: ....................................................................................................................... 28-035
Transmission/Transfer Case: .......................................................................................... 18-502
Hydraulic: .......................................................................................................................... 18-842
Water: ................................................................................................................................. 28-031
Series II Turbo Tiger
1974 - 1976

MODEL ST 320

ENGINE: Cummins VT903-V8
AXLE: Dana (Model A305) or STEIGER/Raba K598 00/10 outboard planetary
CLUTCH: Spicer-HD 14 inch dual plate
HYDRAULIC SYSTEM: Open center, 3-spool remote valve (std), 2-stage gear pump (steering and remotes)
TRANSFER CASE: Swinging type, oil cooled, tapered roller bearings with 1:1 Gear Ratio
TRANSMISSION: Spicer SST 1010 mechanical 10-speed, oil cooled.

Note: The transmission and transfer case on this model share a central oil sump.

PARTS CATALOG P/N: 37-084 (8-80)

Comments: The Series II Cougar, Panther and Turbo Tiger were the first tractors produced featuring the tilt-up hood.

Serial No. Range By Model/Year

<table>
<thead>
<tr>
<th>Model</th>
<th>Year</th>
<th>Beginning S/N</th>
</tr>
</thead>
<tbody>
<tr>
<td>ST 320</td>
<td>1974</td>
<td>30101</td>
</tr>
<tr>
<td>ST 320</td>
<td>1975</td>
<td>30198</td>
</tr>
<tr>
<td>ST 320</td>
<td>1976</td>
<td>30430</td>
</tr>
</tbody>
</table>
Series II Turbo Tiger  
ST 320  
(Cummins 903)

**Belt P/Ns**
- Engine Fan: ................................................................. 06-096
- Alternator: ..................................................................................... 06-097
- A/C Compressor: ......................................................................... 06-1453

**Filter P/Ns**
- Engine Air (Primary):................................................................. 28-029S1 (std life)
- Engine Air (Safety): ...................................................................... 28-029 (ext. life)
- Cab Air: ........................................................................................ 64-084
- Engine Oil: .................................................................................. 28-018 (cartridge, std)
- Luber Finer: ................................................................................... 28-028 (cartridge, std)
- Engine Fuel: .................................................................................. 28-019
- Transmission/Transfer Case: ..................................................... 18-502
- Hydraulic: .................................................................................... 18-842
- Water: .......................................................................................... 28-031
Series III ST Model Tractors

**Note:** Beginning with Series III tractors, the first three numerical digits of the S/N identify the tractor model.

**Series III Wildcat**  
1976 - 1980

![Tractor Image](Image)

**MODEL ST (Std Axel) 210**

- **ENGINE:** Cat 3208 V8 @ 210 HP
- **AXLE:** Dana (Model A-235) outboard planetary
- **CLUTCH:** Spicer 14 inch dual plate
- **HYDRAULIC SYSTEM:** Open center, 3-spool remote valve (std), engine crankshaft driven 2-stage gear pump (steering and remotes)
- **TRANSFER CASE:** Swinging type, oil cooled, tapered roller bearings and, 1:1 Gear Ratio
- **TRANSMISSION:** Spicer SST 1010 mechanical 10-speed, oil cooled.

**Note:** The transmission and transfer case on this model share a central oil sump.

**PARTS CATALOG P/N:** 37-050R1 (9-79)

<table>
<thead>
<tr>
<th>Model</th>
<th>Year</th>
<th>Beginning S/N</th>
</tr>
</thead>
<tbody>
<tr>
<td>ST 210</td>
<td>1976</td>
<td>100-00001</td>
</tr>
<tr>
<td>ST 210</td>
<td>1977</td>
<td>100-00214</td>
</tr>
<tr>
<td>*ST 210</td>
<td>1978</td>
<td>100-00500</td>
</tr>
<tr>
<td>*ST 210</td>
<td>1979</td>
<td>100-00580</td>
</tr>
<tr>
<td>*ST 210</td>
<td>1980</td>
<td>100-00595</td>
</tr>
</tbody>
</table>

*These Series III WC models were built with STEIGER/Raba K598 00/10 Axles.*
MODEL RC (Row Crop Axle) 210

ENGINE: Cat 3208 V8 @ 210 HP
AXLE: Adjustable Bar Style
CLUTCH: Spicer 14 inch dual plate
HYDRAULIC SYSTEM: Open center, 3-spool remote valve (std), engine crankshaft driven 2-stage gear pump (steering and remotes)
TRANSFER CASE: Swinging type, oil cooled, tapered roller bearings and 1:1 Gear Ratio
TRANSMISSION: Spicer SST 1010 mechanical 10-speed, oil cooled.

Note: The transmission and transfer case on this model share a central oil sump.

PARTS CATALOG P/N: 37-050R1 (9-79)

Serial No. Range By Model/Year

<table>
<thead>
<tr>
<th>Model</th>
<th>Year</th>
<th>Beginning S/N</th>
</tr>
</thead>
<tbody>
<tr>
<td>RC 210</td>
<td>1976</td>
<td>101-00001</td>
</tr>
<tr>
<td>*RC 210</td>
<td>1977</td>
<td>101-00114</td>
</tr>
</tbody>
</table>

*1977 was last year this model WC was produced.
Historical Data

Series III Wildcat
ST 210
(Cat 3208-V8)

BELT P/Ns

Engine Fan: ............................................................................................................................... 06-129
Alternator: ............................................................................................................................... 06-1464
A/C Compressor: ...................................................................................................................... 06-145

FILTER P/Ns

Engine Air (Primary): .................................................................................................................. 45-213S1 (std life)
Engine Air (Safety): ................................................................................................................... 45-213 (ext. life)
Engine Oil: ................................................................................................................................. 28-006 (BSN 580)
Luber Finer: ............................................................................................................................... 28-028 (ASN 500)
Engine Fuel: ............................................................................................................................. 28-025
Water Separator (Fuel): ........................................................................................................... 01-9774 (ASN 500)
Transmission/Transfer Case: ................................................................................................. 18-502
Hydraulic: ................................................................................................................................. 18-498
Hydraulic Tank Relief: ............................................................................................................. 18-1633
MODEL ST (Std Axel) 220

ENGINE: Cummins N-855-C-220

AXLE: Dana (Model A-305) outboard planetary

CLUTCH: Spicer-HD 15.5 inch dual plate

HYDRAULIC SYSTEM: Open center, load sensing, full priority to steering, 3-remote valves (std)

TRANSFER CASE: Swinging type, oil cooled, tapered roller bearings and, 1:1 Gear Ratio

TRANSMISSION: Spicer SST 1010 mechanical 10-speed, oil cooled.

Note: The transmission and transfer case on this model share a central oil sump.

PARTS CATALOG P/N: 37-071R5 (3-84)

### Serial No. Range By Model/Year

<table>
<thead>
<tr>
<th>Model</th>
<th>Year</th>
<th>Beginning S/N</th>
</tr>
</thead>
<tbody>
<tr>
<td>ST 220</td>
<td>1976</td>
<td>103-00001</td>
</tr>
<tr>
<td>ST 220</td>
<td>1977</td>
<td>103-00187</td>
</tr>
</tbody>
</table>

Comments: The Bearcat III moved up into the large frame series beginning in 1976. This was also the first model Bearcat that used the naturally aspirated 855 Cummins engine. These engines were only used in 1976 and 1977 models and discontinued.
MODEL ST 225

*ENGINE: Cat 3306 PCT in-line 6 cyl
AXLE: STEIGER S-34 single reduction outboard planetary hub or K598 double reduction outboard planetarys
CLUTCH: Spicer 14 inch dual plate
HYDRAULIC SYSTEM: Open center, load sensing, full priority to steering, 3-remote valves (std)
TRANSFER CASE: Swinging type, oil cooled, tapered roller bearings and 1:1 Gear Ratio
Note: After S/N 2000 a stationary mounted transfer case was used.
TRANSMISSION: Spicer SST 1010 mechanical 10-speed, provides 20 speeds forward, 4 reverse when coupled with 2-speed transfer case.
Note: The transmission and transfer case on this model share a central oil sump.
*3306 DIT S/N 109-00328 & up

PARTS CATALOG P/N: 37-071R5 (3-84)

<table>
<thead>
<tr>
<th>Model</th>
<th>Year</th>
<th>Beginning S/N</th>
</tr>
</thead>
<tbody>
<tr>
<td>ST 225</td>
<td>1980</td>
<td>109-00001</td>
</tr>
<tr>
<td>ST 225</td>
<td>1981</td>
<td>109-00170</td>
</tr>
<tr>
<td>ST 225</td>
<td>1982</td>
<td>109-01501</td>
</tr>
<tr>
<td>ST 225</td>
<td>1983</td>
<td>109-02501</td>
</tr>
</tbody>
</table>
Series III Bearcat
ST 220
(Cummins 855)

BELT P/Ns
Engine Fan: ............................................................................................................................... 06-1580
Alternator: ............................................................................................................................... 90-1375T1
A/C Compressor: ......................................................................................................................... 01-6864
Water Pump: ............................................................................................................................... 06-1546

FILTER P/Ns
Engine Air (Primary): ................................................................................................................. 45-213S1 (std life)
.................................................................................................................................................. 45-213 (ext. life)
Engine Air (Safety): ....................................................................................................................... 45-212
Cab Air: ....................................................................................................................................... 54-304T1
Engine Oil: ................................................................................................................................... 28-018 (cartridge, BSN 218 unless converted)
.................................................................................................................................................. 02-2187 (spin-on, ASN 218 & earlier conversions)
Luber Finer: ................................................................................................................................... 28-028 (cartridge, BSN 230 unless converted)
.................................................................................................................................................. 90-1158T1 (spin-on, ASN 230 & earlier conversions)
Engine Fuel: .................................................................................................................................. 28-035
Transmission/Transfer Case: ........................................................................................................ 18-502
Hydraulic: ..................................................................................................................................... 18-498
Water: .......................................................................................................................................... 28-031

Series III Bearcat
ST 225
(Cat 3306)

BELT P/Ns
Engine Fan: ................................................................................................................................... 06-135 (BSN 328 w/26" fan)
.................................................................................................................................................. 90-1502T1 (BSN 328 w/30" fan and all ASN)
Alternator: .................................................................................................................................... w/fan
A/C Compressor: ............................................................................................................................ 06-1428 (BSN 328 w/26" fan)
.................................................................................................................................................. 90-2151T1 (BSN 328 w/30" fan)
.................................................................................................................................................. 01-2820 (ASN 328)

FILTER P/Ns
Engine Air (Primary): ..................................................................................................................... 07-1011S1 (std life)
.................................................................................................................................................. 07-1011 (ext. life)
Engine Air (Safety): ....................................................................................................................... 07-1010
Cab Air: ....................................................................................................................................... 54-304T1
Engine Oil: ................................................................................................................................... 28-036
Engine Fuel: .................................................................................................................................. 28-025
Water Separator (Fuel): ................................................................................................................ 01-9774
Transmission/Transfer Case: ........................................................................................................ 18-502
Hydraulic: ..................................................................................................................................... 18-498
Water: .......................................................................................................................................... 28-031 (ASN 2501 only)
Series III Cougar
1976 - 1983

MODEL ST (Std Axel) 250

*ENGINE: Cat 3306 PCT in-line 6 cyl

AXLE: STEIGER/Raba K598 00/10 double reduction outboard planetary or STEIGER S-34 single reduction outboard planetary

CLUTCH: Spicer-HD 14 inch dual plate, hydraulically actuated

HYDRAULIC SYSTEM: Open center, load sensing, full priority to steering, 4-remote valves (std) with flow control

**TRANSFER CASE: Swinging type, single or 2-speed with tapered roller bearings, oil cooled

TRANSMISSION: Spicer SST 1010 mechanical 10-speed provides 20 speeds forward, 4 reverse when coupled with 2-speed transfer case

PARTS CATALOG P/N: 37-071R5 (3-84)

*3306 DITA S/N 104-00331 & up
**2-speed transfer case S/N 00266 & up

Serial No. Range By Model/Year

<table>
<thead>
<tr>
<th>Model</th>
<th>Year</th>
<th>Beginning S/N</th>
</tr>
</thead>
<tbody>
<tr>
<td>ST 250</td>
<td>1976</td>
<td>104-00001</td>
</tr>
<tr>
<td>ST 250</td>
<td>1977</td>
<td>104-00266</td>
</tr>
<tr>
<td>ST 250</td>
<td>1981</td>
<td>104-01001</td>
</tr>
<tr>
<td>ST 250</td>
<td>1982</td>
<td>104-01501</td>
</tr>
<tr>
<td>ST 250</td>
<td>'1983</td>
<td>104-02501</td>
</tr>
</tbody>
</table>

*S/N 2001 & up were the first models produced with the stationary mounted 2-speed transfer case.
**MODEL ST 251**

*ENGINE:* Cummins NT855-C-250

**AXLE:** STEIGER/Raba K598 00/10 double reduction outboard planetary or STEIGER S-34 single reduction outboard planetary

**CLUTCH:** Spicer 15.5 inch dual plate, hydraulically actuated

**HYDRAULIC SYSTEM:** Open center, load sensing, full priority to steering, 4-remote valves (std) with flow control

*TRANSFER CASE:* Swinging type single or 2-speed with tapered roller bearings, oil cooled

**TRANSMISSION:** Spicer SST 1010 mechanical 10-speed, provides 20 speeds forward, 4 reverse when coupled with 2-speed transfer case.

**PARTS CATALOG P/N:** 37-071R5 (3-84)

*2-speed transfer case S/N 00176 & up

---

**Serial No. Range By Model/Year**

<table>
<thead>
<tr>
<th>Model</th>
<th>Year</th>
<th>Beginning S/N</th>
</tr>
</thead>
<tbody>
<tr>
<td>ST 251</td>
<td>1976</td>
<td>106-00001</td>
</tr>
<tr>
<td>ST 251</td>
<td>1977</td>
<td>106-00166</td>
</tr>
<tr>
<td>ST 251</td>
<td>1978</td>
<td>106-00256</td>
</tr>
<tr>
<td>ST 251</td>
<td>1979</td>
<td>106-00370</td>
</tr>
<tr>
<td>ST 251</td>
<td>1980</td>
<td>106-00737</td>
</tr>
<tr>
<td>ST 251</td>
<td>1981</td>
<td>106-01055</td>
</tr>
<tr>
<td>ST 251</td>
<td>1982</td>
<td>106-01501</td>
</tr>
</tbody>
</table>

---

**MODEL ST 270**

**ENGINE:** Cat 3306TA in-line 6 cyl

**AXLE:** STEIGER/Raba K598 00/10 double reduction outboard planetary or STEIGER S-34 single reduction outboard planetary

**CLUTCH:** Spicer-HD 14 inch dual plate, hydraulically actuated

**HYDRAULIC SYSTEM:** Open center, load sensing, full priority to steering, 4-remote valves (std) with flow control

*TRANSFER CASE:* Swinging type, single or 2-speed with tapered roller bearings, oil cooled

**TRANSMISSION:** Spicer SST 1010 mechanical 10-speed provides 20 speeds forward, 4 reverse when coupled with 2-speed transfer case

**PARTS CATALOG P/N:** 37-071R5 (3-84)

*2-speed transfer case S/N 00266 & up*
### MODEL ST 280

**ENGINE:** Cummins NT-855-C280 in-line 6 cyl “Constant Power”  
Cat 3406 DIT in-line 6 cyl  

**AXLE:** STEIGER/Raba K598 20/30 double reduction outboard planetary or STEIGER S-34 single reduction outboard planetary  

**CLUTCH:** Spicer-HD 15.5 inch dual plate  

**HYDRAULIC SYSTEM:** Open center, load sensing, full priority to steering, 4-remote valves (std) with flow control  

**TRANSFER CASE:** 2-speed, .88:1 low range ratio, helical gearing, tapered roller bearings, stationary mounted and oil cooled  

**TRANSMISSION:** Spicer SST 1010 mechanical 10-speed, oil cooled  

**PARTS CATALOG P/N:** 37-071R5 (3-84)
### Historical Data

#### Series III Cougar
ST 250 & 270
(Cat 3306)

**BELT P/Ns**

- Engine Fan: ............................... 06-135 (w/26" fan BSN*)
- Alternator: .................................. 90-1502T1 (w/30" fan BSN* & all ASN)
- A/C Compressor: .......................... 06-1428 (BSN* w/26" fan)
- Water Pump: ............................... 90-2151T1 (BSN* w/30" fan)

**FILTER P/Ns**

- Engine Air (Primary): ................. 07-1011S1 (std life)
- Engine Air (Safety): ..................... 07-1010
- Cab Air: ..................................... 54-304T1
- Engine Oil: ................................ 28-036
- Engine Fuel: ............................... 28-025
- Water Separator, Fuel: .................. 01-9774
- Transmission/Transfer Case: .......... 18-502
- Hydraulic: ................................ 18-498
- Water: ...................................... 28-031 (ASN 2501 only)

*Serial No. Break (ST 250 - 104-00331) (ST 270 - 105-01031)

#### Series III Cougar
ST 251
(Cummins 855)

**BELT P/Ns**

- Engine Fan: ............................... 06-1580
- Alternator: ................................ 90-1375T1
- A/C Compressor: .......................... 01-6864
- Water Pump: ................................ 06-1546 (BSN 482)
- Engine Fuel: ............................... 90-2383T1 (ASN 482)

**FILTER P/Ns**

- Engine Air (Primary): ................. 07-1011S1 (std life BSN 291)
- Engine Air (Safety): ..................... 07-1011 (ext. life BSN 291)
- Cab Air: ..................................... 45-252S1 (std life ASN 291)
- Engine Oil: ................................ 28-018 (cartridge, BSN 201 unless converted)
- Luber Finer: ............................... 28-028 (cartridge, BSN 531 unless converted)
- Engine Fuel: ............................... 90-1158T1 (spin-on, ASN 531 plus any converted)
- Water: ...................................... 28-035
Series III Cougar
ST 280
(Cummins 855)

Belt P/Ns

<table>
<thead>
<tr>
<th>Component</th>
<th>P/N</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine Fan</td>
<td>06-1580</td>
</tr>
<tr>
<td>Alternator</td>
<td>90-1375T1</td>
</tr>
<tr>
<td>A/C Compressor</td>
<td>01-6864</td>
</tr>
<tr>
<td>Water Pump</td>
<td>90-2383T1</td>
</tr>
</tbody>
</table>

Filter P/Ns

<table>
<thead>
<tr>
<th>Component</th>
<th>P/N</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine Air (Primary)</td>
<td>45-252S1 (std life)</td>
</tr>
<tr>
<td>Engine Air (Safety)</td>
<td>45-252 (ext. life)</td>
</tr>
<tr>
<td>Cab Air</td>
<td>54-304T1</td>
</tr>
<tr>
<td>Engine Oil</td>
<td>01-2187</td>
</tr>
<tr>
<td>Luber Finer</td>
<td>90-1158T1</td>
</tr>
<tr>
<td>Engine Fuel</td>
<td>28-035</td>
</tr>
<tr>
<td>Transmission/Transfer Case</td>
<td>18-502</td>
</tr>
<tr>
<td>Hydraulic</td>
<td>18-498</td>
</tr>
<tr>
<td>Water</td>
<td>28-031</td>
</tr>
</tbody>
</table>

Series III Cougar
ST 280
(Cat 3406)

Belt P/Ns

<table>
<thead>
<tr>
<th>Component</th>
<th>P/N</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine Fan</td>
<td>01-2059</td>
</tr>
<tr>
<td>Alternator</td>
<td>01-2228</td>
</tr>
<tr>
<td>A/C Compressor</td>
<td>01-2228</td>
</tr>
</tbody>
</table>

Filter P/Ns

<table>
<thead>
<tr>
<th>Component</th>
<th>P/N</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine Air (Primary)</td>
<td>45-252S1 (std life)</td>
</tr>
<tr>
<td>Engine Air (Safety)</td>
<td>45-252 (ext. life)</td>
</tr>
<tr>
<td>Cab Air</td>
<td>54-304T1</td>
</tr>
<tr>
<td>Engine Oil</td>
<td>01-2335</td>
</tr>
<tr>
<td>Engine Oil (Primary)</td>
<td>01-2336</td>
</tr>
<tr>
<td>Engine Fuel (Secondary)</td>
<td>01-2334</td>
</tr>
<tr>
<td>Transmission/Transfer Case</td>
<td>18-502</td>
</tr>
<tr>
<td>Hydraulic</td>
<td>18-498</td>
</tr>
<tr>
<td>Water</td>
<td>28-031</td>
</tr>
</tbody>
</table>
MODEL ST (Std Axel) 320

**ENGINE:** Cummins VT903-C320 V8 cylinder

**AXLE:** STEIGER/Raba K598 00.10 double reduction outboard planetary or STEIGER S-34 single reduction outboard planetary

**CLUTCH:** Spicer HD 14 inch dual plates hydraulically actuated

**HYDRAULIC SYSTEM:** Open center, load sensing, full priority to steering, 4-remote valves (std) and flow control

* **TRANSFER CASE:** Swinging type, 2-speed, .88:1 high range ratio, helical gearing, tapered roller bearings, pressure lubricated and oil cooled

**TRANSMISSION:** Spicer SST 1010-2A mechanical 10-speed, oil cooled. Provides 20 speeds forward, 4 reverse when coupled with the 2-speed transfer case.

**PARTS CATALOG P/N:** 37-071R5 (3-84)

*Swinging Type single speed, below S/N 108-00201, however, some may have been field changed to 2-speed.

**Serial No. Range By Model/Year**

<table>
<thead>
<tr>
<th>Model</th>
<th>Year</th>
<th>Beginning S/N</th>
</tr>
</thead>
<tbody>
<tr>
<td>ST 320</td>
<td>1976</td>
<td>108-00001</td>
</tr>
<tr>
<td>ST 320</td>
<td>1977</td>
<td>108-00187</td>
</tr>
</tbody>
</table>
MODEL ST 350

ENGINE: Cummins VT903-C350 V8 cyl
AXLE: STEIGER S-34 single reduction outboard planetary
CLUTCH: Spicer 15.5 inch dual plates hydraulically actuated
HYDRAULIC SYSTEM: Open center, load sensing, full priority to steering, 4-remote valves (std) and flow control
*TRANSFER CASE: Swinging type, 2-speed, .88:1 high range ratio, helical gearing, tapered roller bearings, pressure lubricated and oil cooled
TRANSMISSION: Spicer SST 1010-2A mechanical 10-speed, oil cooled. Provides 20 speeds forward, 4 reverse when coupled with the 2-speed transfer case.
PARTS CATALOG P/N: 37-071R5 (3-84)

*Swinging Type single speed, below S/N 108-00201, however, some may have been field changed to 2-speed.

<table>
<thead>
<tr>
<th>Model</th>
<th>Year</th>
<th>Beginning S/N</th>
</tr>
</thead>
<tbody>
<tr>
<td>ST 350</td>
<td>1977</td>
<td>139-00001</td>
</tr>
<tr>
<td>ST 350</td>
<td>1978</td>
<td>139-00011</td>
</tr>
<tr>
<td>ST 350</td>
<td>1979</td>
<td>139-00031</td>
</tr>
<tr>
<td>ST 350</td>
<td>1980</td>
<td>139-00061</td>
</tr>
<tr>
<td>ST 350</td>
<td>1981</td>
<td>139-00069</td>
</tr>
</tbody>
</table>

MODEL ST 310

ENGINE: Cummins NTA-855-C310 in-line 6 cyl
AXLE: STEIGER/Raba K598 00.10 (3 x 5) OR K598 20/30 (5 x 5) double reduction outboard planetary or STEIGER S-34 single reduction outboard planetary
CLUTCH: Spicer HD 15.5 inch dual plates hydraulically actuated
HYDRAULIC SYSTEM: Open center, load sensing, full priority to steering, 4-remote valves (std) and flow control
**TRANSFER CASE: Swinging type 2-speed, .88:1 high range ratio, helical gearing, tapered roller bearings, pressure lubricated and oil cooled
TRANSMISSION: Spicer SST 1010-2A or 3B mechanical 10-speed, oil cooled. Provides 20 speeds forward, 4 reverse when coupled with the 2-speed transfer case.
PARTS CATALOG P/N: 37-071R5 (3-84)

*NTA 855-A310 “Big Cam III” S/N 2712 & up
**Swinging Type single speed, below S/N 107-00332 stationary mounted with integral oil reservoir, S/N 2001 & up

COMMENTS: The K598 20/30 (5 x 5) double reduction outboard planetary axle was first introduced in 1978 beginning with S/N 107-00107. The 598 00 (rear) or 598 10 (front) axle used 3 planet pinion gears around the in-board planetary sun gear and 5 planet pinion around the outboard planetary sun gear. The 598 20 (rear) or 598 (30) front axle featured 5 planet pinion gears around the in-board planetary sun gear and 5 planet gears around the outboard planetary sun gear. Hence the term 3 x 5 or 5 x 5 double
Historical Data

reduction outboard planetary system. You should be aware that many 598 00/10 (3 x 5) axles have been field upgraded to the 598 20/30 (5 x 5).

Serial No. Range By Model/Year

<table>
<thead>
<tr>
<th>Model</th>
<th>Year</th>
<th>Beginning S/N</th>
</tr>
</thead>
<tbody>
<tr>
<td>ST 310</td>
<td>1976</td>
<td>107-00001</td>
</tr>
<tr>
<td>ST 310</td>
<td>1977</td>
<td>107-00314</td>
</tr>
<tr>
<td>ST 310</td>
<td>1978</td>
<td>107-00463</td>
</tr>
<tr>
<td>ST 310</td>
<td>1979</td>
<td>107-00612</td>
</tr>
<tr>
<td>ST 310</td>
<td>1980</td>
<td>107-00887</td>
</tr>
<tr>
<td>ST 310</td>
<td>1981</td>
<td>107-01079</td>
</tr>
<tr>
<td>ST 310</td>
<td>1982</td>
<td>107-01501</td>
</tr>
<tr>
<td>ST 310</td>
<td>1983</td>
<td>107-02501</td>
</tr>
</tbody>
</table>
MODEL ST 325

ENGINE: Cat 3406 DIT in-line 6 cyl

AXLE: STEIGER/Raba K598 00.10 (3 x 5) or K598 20/30 (5 x 5) double reduction outboard planetary or STEIGER S-34 single reduction outboard planetary

CLUTCH: Spicer HD 15.5 inch dual plates hydraulically actuated

HYDRAULIC SYSTEM: Open center, load sensing, full priority to steering, 4-remote valves (std) and flow control

*TRANSFER CASE: Swinging type 2-speed, .88:1 high range ratio, helical gearing, tapered roller bearings, pressure lubricated and oil cooled

TRANSMISSION: Spicer SST 1010-3B mechanical 10-speed, oil cooled. Provides 20 speeds forward, 4 reverse when coupled with the 2-speed transfer case.

PARTS CATALOG P/N: 37-071R5 (3-84)

**Swinging Type single speed, below S/N 123-00214 stationary mounted with integral oil reservoir, S/N 2001 & up

COMMENTS: The K598 20/30 (5 x 5) double reduction outboard planetary axle was first introduced in 1978 beginning with S/N 123-00415. The 598 00 (rear) or 598 10 (front) axle used 3 planet pinion gears around the in-board planetary sun gear and 5 planet pinion around the outboard planetary sun gear. The 598 20 (rear) or 598 (30) front axle featured 5 planet pinion gears around the in-board planetary sun gear and 5 planet gears around the outboard planetary sun gear. Hence the term 3 x 5 or 5 x 5 double reduction outboard planetary system. You should be aware that many 598 00/10 (3 x 5) axles have been field upgraded to the 598 20/30 (5 x 5).

Serial No. Range By Model/Year

<table>
<thead>
<tr>
<th>Model</th>
<th>Year</th>
<th>Beginning S/N</th>
</tr>
</thead>
<tbody>
<tr>
<td>ST 325</td>
<td>1976</td>
<td>123-00001</td>
</tr>
<tr>
<td>ST 325</td>
<td>1977</td>
<td>123-00123</td>
</tr>
<tr>
<td>ST 325</td>
<td>1978</td>
<td>123-00370</td>
</tr>
<tr>
<td>ST 325</td>
<td>1979</td>
<td>123-00627</td>
</tr>
<tr>
<td>ST 325</td>
<td>1980</td>
<td>123-00887</td>
</tr>
<tr>
<td>ST 325</td>
<td>1981</td>
<td>123-01124</td>
</tr>
<tr>
<td>ST 325</td>
<td>1982</td>
<td>123-01501</td>
</tr>
<tr>
<td>ST 325</td>
<td>1983</td>
<td>123-02501</td>
</tr>
</tbody>
</table>
Series III Panther
ST 310 & 310CP
(Cummins 855)

BELT P/Ns

Engine Fan: ................................................................. 06-1580 (all except below)
................................................................. 06-1547 (SN 517 to 752)
Alternator: ................................................................. 90-1375T1
A/C Compressor: ................................................................. 01-6864
Water Pump: ................................................................. 06-1546 (BSN 752)
................................................................. 90-2383T1 (ASN 752)

FILTER P/Ns

Engine Air (Primary): ................................................................. 45-252S1 (std life)
................................................................. 45-252 (ext. life)
Engine Air (Safety): ................................................................. 45-253
Cab Air: ........................................................................ 54-304T1
Engine Oil: ................................................................. 28-018 (cartridge, BSN* unless converted)
................................................................. 01-2187 (spin-on, ASN* plus any converted)
Luber Finer: ................................................................. 28-028 (cartridge, ASN 784 unless converted)
................................................................. 90-1158T1 (spin-on, ASN 784 plus any converted)
Engine Fuel: ................................................................. 28-035
Transmission/Transfer Case: ................................................................. 18-502
Hydraulic: ........................................................................ 18-498
Water: ........................................................................ 28-031

Serial No. Breaks
*107-00335 except 317, 322, 323, 326, 328, 330, 331 & 197

Series III Panther
ST 320 & 350
(Cummins 903)

BELT P/Ns

Engine Fan: ................................................................. 06-1581
Alternator: ................................................................. 06-140 (BSN*)
................................................................. 02-1910 (ASN*)
A/C Compressor: ................................................................. 45-259

FILTER P/Ns

Engine Air (Primary): ................................................................. 45-252S1 (std life)
................................................................. 45-252 (ext. life)
Engine Air (Safety): ................................................................. 45-253
Cab Air: ........................................................................ 54-304T1
Engine Oil: ................................................................. 28-018 (cartridge, BSN** unless converted)
................................................................. 01-2187 (spin-on, ASN** plus any converted)
Luber Finer: ................................................................. 28-028 (cartridge, ASN*** unless converted)
................................................................. 90-1158T1 (spin-on, ASN*** plus any converted)
Engine Fuel: ................................................................. 28-035
Transmission/Transfer Case: ................................................................. 18-502
Historical Data

Hydraulic: .......................................................... 18-498
Water: .................................................................................. 28-031

Serial No. Breaks
*ST 320, 108-00212 & ST 350, 139-00061
**ST 320, 108-00197 & ST 350, 139-00021
***ST 320, 108-00212 & ST 350 139-00061

Series III Panther
ST 325
(Cat 3406)

BELT P/Ns
Engine Fan: ........................................................................... 01-2059
Alternator: ............................................................................... 01-2228
A/C Compressor: .................................................................... 01-2228

FILTER P/Ns
Engine Air (Primary): ............................................................. 45-252 (ext. life)
Engine Air (Safety): ................................................................. 45-253
Cab Air: ................................................................................... 54-304T1
Engine Oil: ................................................................................ 01-2335
Engine Fuel (Primary): ........................................................... 01-2334
Engine Fuel (Secondary): ....................................................... 01-2334
Transmission/Transfer Case: ............................................... 18-502
Hydraulic: .............................................................................. 18-498
Water: ................................................................................... 28-031 (ASN 492 only)
MODEL ST  (Std Frame) 450 & ST 470

**ENGINE:** Cummins KTA 1150 in-line 6 cyl
Cat 3408 DITA V-8 cyl

**AXLE:** STEIGER/Raba K594 05/15 dual planetary (in-board 5 planet gears located in differential center housing, outboard 5 planet gears located in wheel end), or K594 20/30 double reduction outboard planetary.

**HYDRAULIC SYSTEM:** Open center, load sensing, full priority to steering, 4 or 5 remote valves and flow control

**TRANSFER CASE:** Integral with transmission

**TRANSMISSION:** Allison CLT 5965 6-speed powershift with torque converter and automatic converter lockup feature.

**PARTS CATALOG P/N:** 37-062R1(4-81)

*Starting in January 1982, K594 20/30 axles went into production effective with S/N 129-01502 & up and S/N 130-01517 & up.*
COMMENTS: First production Tiger tractors were designated the model ST 450 and were powered by the KTA-1150 Cummins engine. In 1980 the Cat 3408 DITA engine was introduced at 450 HP. This then became the model ST 450. The Cummins KTA 1150 powered models at 470 HP then became the model ST 470.
### Historical Data

#### Series III Tiger
**ST 450**  
(Cat 3408)

**BELT P/Ns**
- Engine Fan: none  
- Alternator: 02-1314  
- A/C Compressor: 01-3982

**FILTER P/Ns**
- Engine Air (Primary): 01-3898S1 (std life)  
- Engine Air (Safety): 01-3899  
- Cab Air: 54-304T1  
- Engine Oil: 01-2335  
- Engine Fuel: 01-2334  
- Transmission: 01-3984  
- Hydraulic: 18-498

#### Series III Tiger
**ST 470**  
(Cummins 1150)

**BELT P/Ns**
- Engine Fan: none  
- Alternator: 01-3983  
- A/C Compressor: 01-3982

**FILTER P/Ns**
- Engine Air (Primary): 01-3898S1 (std life)  
- Engine Air (Safety): 01-3899  
- Cab Air: 54-304T1  
- Engine Oil: 01-2187  
- Luber Finer: 28-028 (cartridge, BSN 151 unless converted)  
- Transmission: 90-1158T1 (spin-on, ASN 151 plus any converted)  
- Hydraulic: 18-498  
- Water: 28-031
Series III Bearcat

MODEL PT (Narrow Frame) 225

ENGINE: Cat 3306 PCT in-line 6 cyl

AXLE: STEIGER S-34 single reduction outboard planetary hub or STEIGER/Raba K598 00/10 double reduction outboard planetary (optional)

CLUTCH: Spicer 14 inch dual plate

HYDRAULIC SYSTEM: Open center, load sensing, full priority to steering, 4-remote valves (std) and flow control

TRANSFER CASE: 2-speed; helical gearing, with sliding clutch, tapered roller bearings on all shafts. Pressure lubricated air cooled oil pumped from integral reservoir. Low range ratio - 1:1, high range ratio -.88:1

TRANSMISSION: Spicer SST 1010 mechanical 10-speed, provides 20 speeds forward, 4 reverse when coupled with 2-speed transfer case.

PARTS CATALOG P/N: 37-078R2 (10-81)

*Integral oil reservoir for both transfer case and transmission.

COMMENTS: The “PT” Series were the first tractors produced with a longer and narrower frame to accommodate the optional hydrostatically powered and electronically controlled PTO system rated at 105 PTO hp @ 1000 rpm or 57 PTO hp @ 540 rpm output.

<table>
<thead>
<tr>
<th>Model</th>
<th>Year</th>
<th>Beginning S/N</th>
</tr>
</thead>
<tbody>
<tr>
<td>PT 225</td>
<td>1977</td>
<td>141-00001</td>
</tr>
<tr>
<td>PT 225</td>
<td>1978</td>
<td>141-00157</td>
</tr>
<tr>
<td>PT 225</td>
<td>1979</td>
<td>141-00336</td>
</tr>
<tr>
<td>PT 225</td>
<td>1980</td>
<td>141-00537</td>
</tr>
<tr>
<td>PT 225</td>
<td>1981</td>
<td>141-00651</td>
</tr>
</tbody>
</table>
# Historical Data

## Series III Bearcat
### PT 225
#### (Cat 3306)

### BELT P/Ns

<table>
<thead>
<tr>
<th>Component</th>
<th>P/N Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine Fan:</td>
<td>06-135 (w/26” fan BSN 651)</td>
</tr>
<tr>
<td></td>
<td>90-1502T1 (w/30” fan BSN 651 &amp; all ASN 651)</td>
</tr>
<tr>
<td>Alternator:</td>
<td>90-1428 (w/26” fan BSN 651)</td>
</tr>
<tr>
<td></td>
<td>90-2151T1 (w/30” fan BSN 651) &amp; all ASN 651</td>
</tr>
<tr>
<td>A/C Compressor:</td>
<td>01-2820 (ASN 651)</td>
</tr>
</tbody>
</table>

### FILTER P/Ns

<table>
<thead>
<tr>
<th>Component</th>
<th>P/N Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine Air (Primary):</td>
<td>07-1011S1 (std life)</td>
</tr>
<tr>
<td></td>
<td>07-1011 (ext. life)</td>
</tr>
<tr>
<td>Engine Air (Safety):</td>
<td>07-1010</td>
</tr>
<tr>
<td>Cab Air:</td>
<td>54-304T1</td>
</tr>
<tr>
<td>Engine Oil:</td>
<td>28-036</td>
</tr>
<tr>
<td>Engine Fuel:</td>
<td>28-025</td>
</tr>
<tr>
<td>Water Separator (Fuel):</td>
<td>01-9774 (BSN 651 only)</td>
</tr>
<tr>
<td>Transmission/Transfer Case:</td>
<td>18-502</td>
</tr>
<tr>
<td>Hydraulic:</td>
<td>18-498</td>
</tr>
<tr>
<td>Hydraulic Tank Relief:</td>
<td>18-1633</td>
</tr>
<tr>
<td>Water:</td>
<td>28-031 (ASN 2501)</td>
</tr>
<tr>
<td>PTO:</td>
<td>01-4988</td>
</tr>
</tbody>
</table>
**Series III Cougar**

MODEL PT (Narrow Frame) 250

*ENGINE*: Cat 3306T in-line 6 cyl

**AXLE**: STEIGER/Raba K598 00/10 double reduction outboard planetary or STEIGER S-34 single reduction outboard planetary

**CLUTCH**: Spicer HD 14 inch dual plate, hydraulically actuated

**HYDRAULIC SYSTEM**: Open center, load sensing, full priority to steering, 4-remote valves (std) and flow control

**TRANSFER CASE**: 2-speed; helical gearing, with sliding clutch, tapered roller bearings on all shafts. Pressure lubricated air cooled oil pumped from integral reservoir. Low range ratio - 1:1, high range ratio - .88:1

**TRANSMISSION**: Spicer SST 1010 mechanical 10-speed, provides 20 speeds forward, 4 reverse when coupled with 2-speed transfer case.

**PARTS CATALOG P/N**: 37-078R2 (10-81)

*Cat 3306 DITA S/N 142-00017 & up  
** Integral oil reservoir for both transfer case and transmission.

**COMMENTS**: The “PT” Series were the first tractors produced with a longer and narrower frame to accomodate the optional hydrostatically powered and electronically controlled PTO system rated at 105 PTO hp @ 1000 rpm or 57 PTO hp @ 540 rpm output.

<table>
<thead>
<tr>
<th>Model</th>
<th>Year</th>
<th>Beginning S/N</th>
</tr>
</thead>
<tbody>
<tr>
<td>PT 250</td>
<td>1979</td>
<td>142-00001</td>
</tr>
<tr>
<td>PT 250</td>
<td>1980</td>
<td>142-00007</td>
</tr>
</tbody>
</table>
Series III Cougar

MODEL PT (Narrow Frame) 270

**ENGINE:** Cat 3306T in-line 6 cyl

**AXLE:** STEIGER/Raba K598 00/10 double reduction outboard planetary or STEIGER S-34 single reduction outboard planetary

**CLUTCH:** Spicer HD 14 inch dual plate, hydraulically actuated

**HYDRAULIC SYSTEM:** Open center, load sensing, full priority to steering, 4-remote valves (std) and flow control

* **TRANSFER CASE:** 2-speed; helical gearing, with sliding clutch, tapered roller bearings on all shafts. Pressure lubricated reservoir. Low range ratio - 1:1, high range ratio - .88:1

**TRANSMISSION:** Spicer SST 1010 mechanical 10-speed, provides 20 speeds forward, 4 reverse when coupled with 2-speed transfer case.

**PARTS CATALOG P/N:** 37-078R2 (10-81)

* Integral oil reservoir for both transfer case and transmission.

**COMMENTS:** The “PT” Series were the first tractors produced with a longer and narrower frame to accommodate the optional hydrostatically powered and electronically controlled PTO system rated at 105 PTO hp @ 1000 rpm or 57 PTO hp @ 540 rpm output.

### Serial No. Range By Model/Year

<table>
<thead>
<tr>
<th>Model</th>
<th>Year</th>
<th>Beginning S/N</th>
</tr>
</thead>
<tbody>
<tr>
<td>PT 270</td>
<td>1977</td>
<td>143-00001</td>
</tr>
<tr>
<td>PT 270</td>
<td>1978</td>
<td>143-00082</td>
</tr>
<tr>
<td>PT 270</td>
<td>1979</td>
<td>143-00154</td>
</tr>
<tr>
<td>PT 270</td>
<td>1980</td>
<td>143-00211</td>
</tr>
<tr>
<td>PT 270</td>
<td>1981</td>
<td>143-00236</td>
</tr>
</tbody>
</table>
Series III Cougar
PT 250 & 270
(Cat 3306)

BELT P/Ns
Engine Fan: ................................................................. 06-135 (w/26" fan BSN*)
................................................................. 90-1502T1 (w/30" fan BSN* & all ASN*)
Alternator: ................................................................. w/Fan
A/C Compressor: ................................................................. 06-1428 (w/26" fan BSN*)
................................................................. 90-2151T1 (w/30" fan BSN*)
................................................................. 01-2820 (ASN*)

FILTER P/Ns
Engine Air (Primary): ................................................................. 07-1011S1 (std life)
................................................................. 07-1011 (ext. life)
Engine Air (Safety): ................................................................. 07-1010
Cab Air: ................................................................. 54-304T1
Engine Oil: ................................................................. 28-036
Engine Fuel: ................................................................. 28-025
Water Separator (Fuel): ................................................................. 01-9774 (BSN* only)
Transmission/Transfer Case: ................................................................. 18-502
Hydraulic: ................................................................. 18-498
Hydraulic Tank Relief: ................................................................. 18-1633
Water: ................................................................. 28-031 (ASN 2501)
PTO: ................................................................. 01-4988

Serial No. Breaks
*PT 250, 132-00017
*PT 270, 143-00242
Series III Panther

MODEL PT (Narrow Frame) 350

ENGINE: Cummins VT903-C350 V8 cylinder

AXLE: STEIGER S-34 single reduction outboard planetary

CLUTCH: Spicer HD 15.5 inch dual plate, hydraulically actuated

HYDRAULIC SYSTEM: Open center, load sensing, full priority to steering, 4-remote valves (std) and flow control

*TRANSFER CASE: Stationary mounted 2-speed; 88:1 high range ration, helical gearing, tapered roller bearings, pressure lubricated and oil cooled with oil from integral reservoir.

TRANSMISSION: Spicer SST 1010 mechanical 10-speed, provides 20 speeds forward, 4 reverse when coupled with 2-speed transfer case.

PARTS CATALOG P/N: 37-078R2 (10-81)

*Integral oil reservoir for both transfer case and transmission.

COMMENTS: The “PT” Series were the first tractors produced with a longer and narrower frame to accomodate the optional hydrostatically powered and electronically controlled PTO system rated at 105 PTO hp @ 1000 rpm or 57 PTO hp @ 540 rpm output.

Serial No. Range By Model/Year

<table>
<thead>
<tr>
<th>Model</th>
<th>Year</th>
<th>Beginning S/N</th>
</tr>
</thead>
<tbody>
<tr>
<td>PT 350</td>
<td>1977</td>
<td>140-00001</td>
</tr>
<tr>
<td>PT 350</td>
<td>1978</td>
<td>140-00023</td>
</tr>
<tr>
<td>PT 350</td>
<td>1979</td>
<td>140-00059</td>
</tr>
<tr>
<td>PT 350</td>
<td>1980</td>
<td>140-00062</td>
</tr>
<tr>
<td>PT 350</td>
<td>1981</td>
<td>140-00075</td>
</tr>
</tbody>
</table>
Series III Panther
PT 350
(Cummins 903)

BELT P/Ns
Engine Fan: ............................................................................................................................... 01-3850
Alternator: ................................................................................................................................ 01-4985 (BSN 056)
..................................................................................................................................................... 06-097 (ASN 056)
A/C Compressor: .......................................................................................................................... 01-7736

FILTER P/Ns
Engine Air (Primary): .................................................................................................................. 45-252S1 (std life)
....................................................................................................................................................... 45-252 (ext. life)
Engine Air (Safety): ...................................................................................................................... 45-253
Cab Air: ........................................................................................................................................ 54-304T1
Engine Oil: ..................................................................................................................................... 01-2187
Luber Finer: ................................................................................................................................. 28-028 (cartridge, BSN 062 unless converted)
....................................................................................................................................................... 90-1158T1 (spin-on, ASN 062 plus any converted)
Engine Fuel: .................................................................................................................................... 28-035
Transmission/Transfer Case: ........................................................................................................ 18-502
Hydraulic: ....................................................................................................................................... 18-498
Hydraulic Tank Relief: .................................................................................................................... 18-1633
Water: ............................................................................................................................................ 28-031
PTO: ............................................................................................................................................... 01-4988
Series III Cougar  
1980 - 1983

MODEL PTA (Narrow Frame/Automatic Transmission) 251

ENGINE: Cummins NT855-C-250 “Constant Power” in-line 6 cyl

AXLE: STEIGER/Raba K598 00/10 double reduction outboard planetary or STEIGER S-34 single reduction outboard planetary

HYDRAULIC SYSTEM: Open center, load sensing, full priority to steering, 4-remote valves (std) and flow control

TRANSFER CASE: 2-speed, deep reduction 2.303:1 low range ratio. Helical gearing, tapered roller bearings, pressure lubricated and oil cooled, stationary mounted with integral reservoir.

TRANSMISSION: Allison HT754 CRD 5-speed automatic with converter lockup in all gears. 10 forward, 2 reverse speeds when coupled to 2-speed transfer case.

PARTS CATALOG P/N: 37-078R5 (10-81)

Serial No. Range By Model/Year

<table>
<thead>
<tr>
<th>Model</th>
<th>Year</th>
<th>Beginning S/N</th>
</tr>
</thead>
<tbody>
<tr>
<td>PTA 251</td>
<td>1980</td>
<td>153-00001</td>
</tr>
<tr>
<td>PTA 251</td>
<td>1981</td>
<td>153-00002</td>
</tr>
</tbody>
</table>
MODEL PTA 270

ENGINE: Cat 3306TA in-line 6 cyl

AXLE: STEIGER/Raba K598 00/10 double reduction outboard planetary or STEIGER S-34 single reduction outboard planetary

HYDRAULIC SYSTEM: Open center, load sensing, full priority to steering, 4-remote valves (std) and flow control

TRANSFER CASE: 2-speed, deep reduction 2.303:1 low range ratio. Helical gearing, tapered roller bearings, pressure lubricated and oil cooled oil, stationary mounted with integral reservoir.

TRANSMISSION: Allison HT754 CRD 5-speed automatic with converter lockup in all gears. 10 forward, 2 reverse speeds when coupled to 2-speed transfer case.

PARTS CATALOG P/N: 37-078R5 (10-81)

<table>
<thead>
<tr>
<th>Model</th>
<th>Year</th>
<th>Beginning S/N</th>
</tr>
</thead>
<tbody>
<tr>
<td>PTA 270</td>
<td>1980</td>
<td>151-00001</td>
</tr>
<tr>
<td>PTA 270</td>
<td>1981</td>
<td>151-00042</td>
</tr>
</tbody>
</table>
Series III Cougar
1981 - 1983

MODEL PTA (Narrow Frame/Automatic Transmission) 280

ENGINE: Cummins NT855-C-280 “Constant Power” in-line 6 cyl
Cat 3406 DIT in-line 6 cyl

AXLE: STEIGER/Raba K598 20/30 double reduction outboard planetary or STEIGER S-34 single
reduction outboard planetary

HYDRAULIC SYSTEM: Open center, load sensing, full priority to steering, 4-remote valves (std) and flow
control

TRANSFER CASE: 2-speed, deep reduction 2.303:1 low range ratio. Helical gearing, tapered roller
bearings, pressure lubricated and oil cooled, stationary mounted with integral reservoir.

TRANSMISSION: Allison HT754 CRD 5-speed automatic with converter lockup in all gears. 10 forward, 2
reverse speeds when coupled to 2-speed transfer case.

PARTS CATALOG P/N: 37-078R5 (10-81)

Serial No. Range By Model/Year

<table>
<thead>
<tr>
<th>Model</th>
<th>Year</th>
<th>Beginning S/N</th>
</tr>
</thead>
<tbody>
<tr>
<td>PTA 280</td>
<td>1981</td>
<td>154-00001 Cu</td>
</tr>
<tr>
<td>PTA 280</td>
<td>1981</td>
<td>155-00001 Cat</td>
</tr>
<tr>
<td>PTA 280</td>
<td>1982</td>
<td>154-01501 Cu</td>
</tr>
<tr>
<td>PTA 280</td>
<td>1982</td>
<td>155-01501 Cat</td>
</tr>
<tr>
<td>PTA 280</td>
<td>1983</td>
<td>154-02501 Cu</td>
</tr>
<tr>
<td>PTA 280</td>
<td>1983</td>
<td>155-02501 Cat</td>
</tr>
</tbody>
</table>
Series III Cougar
PTA 251 & PTA 280
(Cummins 855)

BELT P/NS
Engine Fan: ................................................................. 02-4432T1
Alternator: ................................................................. 90-1375T1
A/C Compressor: ....................................................... 01-6864
Water Pump: ............................................................. 90-2383T1

FILTER P/NS
Engine Air (Primary): .................................................. 45-252S1 (std life)
Engine Air (Safety): ...................................................... 45-253
Cab Air: ....................................................................... 54-304T1
Engine Oil: ................................................................. 01-2187
Luber Finer ............................................................... 90-1158T1
Engine Fuel: ............................................................. 28-035
Transmission: ........................................................... 02-2038
Transfer Case: ........................................................... 18-502
Hydraulic: ................................................................. 18-498
Hydraulic Tank Relief: ................................................ 18-1633
Water: ........................................................................ 28-031

Series III Cougar
PTA 280
(Cat 3306)

BELT P/NS
Engine Fan: ................................................................. 90-1163T1
Alternator: ................................................................. 01-2228
A/C Compressor: ....................................................... 01-2228

FILTER P/NS
Engine Air (Primary): .................................................. 45-252S1 (std life)
Engine Air (Safety): ...................................................... 45-253
Cab Air: ....................................................................... 54-304T1
Engine Oil: ................................................................. 01-2335
Engine Fuel (Primary): .............................................. 01-2336
Engine Fuel (Secondary): ......................................... 01-2334
Transmission: ........................................................... 02-2038
Transfer Case: ........................................................... 18-502
Hydraulic: ................................................................. 18-498
Hydraulic Tank Relief: ................................................ 18-1633
Water: ........................................................................ 28-031
Historical Data

Series III Cougar
PTA 270
(Cat 3306)

BELT P/Ns
Engine Fan: ............................................................................................................................................. 06-096
Alternator: ........................................................................................................................................ w/fan
A/C Compressor: .................................................................................................................................... 01-9344

FILTER P/Ns
Engine Air (Primary): ................................................................................................................................ 07-1011S1 (std life)
Engine Air (Safety): ................................................................................................................................. 07-1010
Cab Air: .................................................................................................................................................. 54-304T1
Engine Oil: .............................................................................................................................................. 28-036
Engine Fuel: ............................................................................................................................................ 28-025
Water Separator (Fuel) ............................................................................................................................ 01-9774
Transmission: ......................................................................................................................................... 02-2038
Transfer Case: ......................................................................................................................................... 18-502
Hydraulic: ................................................................................................................................................ 18-498
Hydraulic Tank Relief: ............................................................................................................................ 18-1633
Series III Panther
1978 - 1982

MODEL PTA (Narrow Frame/Automatic Transmission) 310

ENGINE: Cummins NT855-C-310 “Constant Power” in-line 6 cyl

AXLE: STEIGER S-34 single reduction outboard planetary or STEIGER/Raba K598 20/30 double reduction outboard planetary y

HYDRAULIC SYSTEM: Open center, load sensing, full priority to steering, 4-remote valves (std) and flow control

TRANSFER CASE: 2-speed, deep reduction 2.303:1 low range ratio. Helical gearing, tapered roller bearings, pressure lubricated and oil cooled, stationary mounted with integral reservoir.

TRANSMISSION: Allison HT754 CRD 5-speed automatic with converter lockup in all gears. 10 forward, 2 reverse speeds when coupled to 2-speed transfer case.

PARTS CATALOG P/N: 37-078R5 (10-81)

Serial No. Range By Model/Year

<table>
<thead>
<tr>
<th>Model</th>
<th>Year</th>
<th>Beginning S/N</th>
</tr>
</thead>
<tbody>
<tr>
<td>PTA 310</td>
<td>1980</td>
<td>152-00001</td>
</tr>
<tr>
<td>PTA 310</td>
<td>1981</td>
<td>152-00070</td>
</tr>
<tr>
<td>PTA 310</td>
<td>1982</td>
<td>152-01501</td>
</tr>
</tbody>
</table>
MODEL PTA 325

ENGINE: at 3406 DIT in-line 6 cyl
AXLE: STEIGER/Raba K598 20/30 double reduction outboard planetary or STEIGER S-34 single reduction outboard planetary
HYDRAULIC SYSTEM: Open center, load sensing, full priority to steering, 4-remote valves (std) and flow control
TRANSFER CASE: 2-speed, deep reduction 2.303:1 low range ratio. Helical gearing, tapered roller bearings, pressure lubricated and oil cooled, stationary mounted with integral reservoir.
TRANSMISSION: Allison HT754 CRD 5-speed automatic with convertor lockup in all gears. 10 forward, 2 reverse speeds when coupled to 2-speed transfer case.
PARTS CATALOG P/N: 37-078R5 (10-81)

<table>
<thead>
<tr>
<th>Model</th>
<th>Year</th>
<th>Beginning S/N</th>
</tr>
</thead>
<tbody>
<tr>
<td>PTA 325</td>
<td>1980</td>
<td>150-00036</td>
</tr>
<tr>
<td>PTA 325</td>
<td>1981</td>
<td>150-00273</td>
</tr>
<tr>
<td>PTA 325</td>
<td>1982</td>
<td>150-01501</td>
</tr>
</tbody>
</table>
Series III Panther
1978 - 1982

MODEL PTA (Narrow Frame/Automatic Transmission) 296 & 297

ENGINE: Cummins V903-C295 Natural Aspirated (PTA 296)
Cummins VT903-C295 V8 cylinder (PTA 297)

AXLE: STEIGER/Raba K598 00/10 double reduction outboard planetary or STEIGER S-34 single reduction outboard planetary

HYDRAULIC SYSTEM: Open center, load sensing, full priority to steering, 4-remote valves (std) and flow control

TRANSFER CASE: 2-speed, deep reduction 2.303:1 low range ratio. Helical gearing, tapered roller bearings, pressure lubricated and oil cooled, stationary mounted with integral reservoir.

TRANSMISSION: Allison HT740D 4-speed automatic with convertor lockup in all gears. 8 forward, 2 reverse speeds when coupled to 2-speed transfer case.

PARTS CATALOG P/N: 37-078R5 (10-81)

COMMENTS: Some early PTA 296 & 297 models have model 140 (PT 350) serial numbers. These serial numbers are 140-00021 & 140-00072 (PTA 296) and 140-00033 to 140-00045 & 140-00047 to 140-00053 (PTA 297).

Serial No. Range By Model/Year

<table>
<thead>
<tr>
<th>Model</th>
<th>Year</th>
<th>Beginning S/N</th>
</tr>
</thead>
<tbody>
<tr>
<td>PTA 296 &amp; 297</td>
<td>1978</td>
<td>149-00001</td>
</tr>
<tr>
<td>PTA 296 &amp; 297</td>
<td>1979</td>
<td>149-00004</td>
</tr>
<tr>
<td>PTA 296 &amp; 297</td>
<td>1980</td>
<td>149-00042</td>
</tr>
<tr>
<td>PTA 296 &amp; 297</td>
<td>1981</td>
<td>149-00079</td>
</tr>
</tbody>
</table>
Historical Data

Series III Panther
PTA 310
(Cummins 855)

BELT P/Ns
Engine Fan: .......................................................... 02-4432T1
Alternator: ............................................................ 90-1375T1
A/C Compressor: .................................................. 01-6864
Water Pump: .......................................................... 90-2383T1

FILTER P/Ns
Engine Air (Primary): ........................................... 45-252S1 (std life)
.......................................................... 45-252 (ext. life)
Engine Air (Safety): .............................................. 45-253
Cab Air: .................................................................. 54-304T1
Engine Oil: ............................................................ 01-2187
Luber Finer: .......................................................... 90-1158T1
Engine Fuel: .......................................................... 28-035
Transmission: ...................................................... 02-2038
Transfer Case: ........................................................ 18-502
Hydraulic: ............................................................. 18-498
Hydraulic Tank Relief: ......................................... 18-1633
Water: ................................................................. 28-031

Series III Panther
PTA 325
(Cat 3406)

BELT P/Ns
Engine Fan: .......................................................... 90-1163T1
Alternator: ............................................................ 01-2228
A/C Compressor: .................................................. 01-2228

FILTER P/Ns
Engine Air (Primary): ........................................... 45-252S1 (std life)
.......................................................... 45-252 (ext. life)
Engine Air (Safety): .............................................. 45-253
Cab Air: .................................................................. 54-304T1
Engine Oil: ............................................................ 01-2335
Engine Fuel (Primary): ......................................... 01-2336
Engine Fuel (Secondary): .................................... 01-2334
Transmission: ...................................................... 02-2038
Transfer Case: ........................................................ 18-502
Hydraulic: ............................................................. 18-498
Hydraulic Tank Relief: ......................................... 18-1633
Water: ................................................................. 28-031
Series III Panther
PTA 296 & PTA 297

BELT P/Ns

Engine Fan: ................................................................. 01-3850
Alternator: ................................................................. 01-4985 (all early models w/140 S/N)
................................................................. 06-097 (all w/149 S/N)
A/C Compressor: ................................................................. 01-7736

FILTER P/Ns

Engine Air (Primary): ................................................................. 45-252S1 (std life)
................................................................. 45-252 (ext. life)
Engine Air (Safety): ................................................................. 45-253
Cab Air: ................................................................. 54-304T1
Engine Oil: ................................................................. 01-2187
Luber Finer: ................................................................. 28-028 (cartridge, BSN 040 except any converted)
................................................................. 90-1158T1 (spin-on, ASN 040 or any converted)
Engine Fuel: ................................................................. 28-035
Transmission: ................................................................. 02-2038
Transfer Case: ................................................................. 18-502
Hydraulic: ................................................................. 18-498
Hydraulic Tank Relief: ................................................................. 18-1633
Water: ................................................................. 28-031
PTO: ................................................................. 01-4988
Industrial Tractors
Model CA or CU 280 (1982 - 1984)

MODEL CA or CU 280

ENGINE: Cat 3406 DIT in-line 6 cyl (CA 280) Cummins NT-855-C280 in-line 6 cyl (CU 280):

AXLE: STEIGER S-40 single reduction outboard planetary w/optional controlled traction differential front & rear. 25.59:1 overall ratio

BRAKES: Air actuated power screw disc brake, spring applied park brake

HYDRAULIC SYSTEM: Closed center, load sensing and pressure compensating, 4-spool electro-hydraulic actuated remote valves

TRANSFER CASE: 2-speed, deep reduction 2.303:1 low range ratio. Constant mesh helical gearing with sliding clutch. Pressure lubricated and oil cooled.

TRANSMISSION: Allison HT 754 CRD 5-speed automatic with converter lockup in all gears, second speed start-up. Provides 10 speeds forward, 2 reverse with 2-speed transfer case.

PARTS CATALOG P/N: 37-101R2(7-84)

MODEL NO: 160 (CA 280), 161 (CU 280)
Product Identification Plate

The P.I.N. plate identifies the tractor model and serial number, the month and year of manufacture, and other components that make up the product.

Example:
Industrial Tractors
Model CA or CU/325 or 360
(1982 - 1984)

MODEL CA or CU 325

ENGINE: Cat 3406 DIT in-line 6 cyl (CA 325)
Cummins NT-855-C325 in-line 6 cyl (CU 325)

AXLE: STEIGER S-40 single reduction outboard planetary w/optional controlled traction differential front & rear. 25.59:1 overall ratio

BRAKES: Air actuated power screw disc brake, spring applied park brake

HYDRAULIC SYSTEM: Closed center, load sensing and pressure compensating, 4-spool electro-hydraulic actuated remote valves

TRANSFER CASE: 2-speed, deep reduction 2.303:1 low range ratio. Constant mesh helical gearing with sliding clutch. Pressure lubricated and oil cooled.

TRANSFERS: Allison HT 754 CRD 5-speed automatic with converter lockup in all gears, second speed start-up. Provides 10 speeds forward, 2 reverse with 2-speed transfer case.

PARTS CATALOG P/N: 37-101R2(7-84)

MODEL NO: 162 (CA 325), 163 (CU 325)

MODEL CA or CU 360

ENGINE: Cat 3406 DITA in-line 6 cyl (CA 360)
Cummins NT-855-C360 in-line 6 cyl (CU 360)

AXLE: STEIGER S-40 single reduction outboard planetary w/optional controlled traction differential front & rear. 25.59:1 overall ratio

BRAKES: Air actuated power screw disc brake, spring applied park brake

HYDRAULIC SYSTEM: Closed center, load sensing and pressure compensating, 4-spool electro-hydraulic actuated remote valves

TRANSFER CASE: 2-speed, deep reduction 2.303:1 low range ratio. Constant mesh helical gearing with sliding clutch. Pressure lubricated and oil cooled.

TRANSMISSION: Allison HT 754 CRD 5-speed automatic with converter lockup in all gears, second speed start-up. Provides 10 speeds forward, 2 reverse with 2-speed transfer case.

PARTS CATALOG P/N: 37-101R2(7-84)

MODEL NO: 164 (CA 360), 165 (CU 360)
### Industrial Series
#### CA 280, 325 & 360

**BELT P/N's**
- **Engine Fan:**
  - 90-1163T1 (BSN 3001)
  - 90-386T1 (ASN 3001)
- **Alternator:**
  - 01-2228 (BSN 3001)
  - 90-3807T1 (ASN 3001)
- **A/C Compressor:**
  - 01-2228 (BSN 3001)
  - 90-3806T1 (ASN 3001)

**FILTER P/N's**
- **Engine Air (Primary):**
  - 45-252S1 (std life, BSN 3001)
  - 45-252 (ext. life, BSN 3001)
  - 90-4203S1 (std life, ASN 3001)
  - 90-4203T1 (ext life, ASN 3001)
- **Engine Air (Safety):**
  - 45-253 (BSN 3001)
  - 90-4204T1 (ASN 3001)
- **Cab Air:**
  - 54-304T1
- **Engine Oil:**
  - 01-2335
- **Engine Fuel (Primary):**
  - 01-2336
- **Engine Fuel (Secondary):**
  - 01-2334
- **Transmission:**
  - 02-2038
- **Transfer Case:**
  - 18-502
- **Hydraulic:**
  - 18-498
- **Hydraulic Tank Relief:**
  - 18-1633
- **Water:**
  - 28-031

### Industrial Series
#### CU 280, 325 & 360

**BELT P/N's**
- **Engine Fan:**
  - 02-4432T1
- **Alternator:**
  - 90-1375T1
- **A/C Compressor:**
  - 01-6864
- **Water Pump:**
  - 90-2383T1

**FILTER P/N's**
- **Engine Air (Primary):**
  - 45-252S1 (std life, BSN 3001)
  - 45-252 (ext. life, BSN 3001)
  - 90-4203S1 (std life, ASN 3001)
  - 90-4203T1 (ext life, ASN 3001)
- **Engine Air (Safety):**
  - 45-253 (BSN 3001)
  - 90-4204T1 (ASN 3001)
- **Cab Air:**
  - 54-304T1
- **Engine Oil:**
  - 01-2187
- **Luber Finer:**
  - 90-1158T1
- **Engine Fuel:**
  - 28-035
- **Transmission:**
  - 02-2038
- **Transfer Case:**
  - 18-502
- **Hydraulic:**
  - 18-498
- **Hydraulic Tank Relief:**
  - 18-1633
- **Water:**
  - 28-031
Model CM or KM 360

Series IV Panther

Engine:
Cat 3406 DITA in-line 6 cyl (CM 360)
Cummins NT-855-A360 in-line 6 cyl (KM 360)

Axle: Steiger/Raba K598 20/30 or 598 60/70 double reduction outboard planetary

Clutch: Spicer HD 15-1/2 in. dual plate, hydraulically actuated

Hydraulic System: Open center, load sensing, full priority to steering, 3 or 4 remote valves and flow control

Transfer Case: 2-speed, constant mesh helical gearing, tapered roller bearings, pressure lubricated and oil cooled.

Transmission: Spicer SST 1010 constant mesh, spur gear mechanical 10 speed, pressure lubricated and oil cooled. Provides 20 speeds forward, 4 reverse with 2-speed transfer case.

Parts Catalog P/N: 37-122R3(10-84)
Model No: 115 (CM 360), 116 (KM 360)

Comments: Later production tractors will have K598 60/70 axles.

Product Identification Plate:
In addition to listing the tractor model and serial number, the "P.I.N." plate will aid in determining not only the month and year of manufacture, but other components that make up the product.

Example:

Series IV CM, KM & SM Tractors

Chart 1

Engine Model Codes
"C" - Caterpillar
"K" - Cummins
"S" - Komatsu

<table>
<thead>
<tr>
<th>Engine</th>
<th>Model Code</th>
<th>Engine Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>CM 250</td>
<td>104</td>
<td>3396</td>
</tr>
<tr>
<td>KM 325</td>
<td>107</td>
<td>655</td>
</tr>
<tr>
<td>CM 223</td>
<td>109</td>
<td>3200</td>
</tr>
<tr>
<td>KM 280</td>
<td>110</td>
<td>815</td>
</tr>
<tr>
<td>CM 280</td>
<td>111</td>
<td>3406</td>
</tr>
<tr>
<td>KM 225</td>
<td>112</td>
<td>115</td>
</tr>
<tr>
<td>CM 360</td>
<td>115</td>
<td>3406</td>
</tr>
<tr>
<td>KM 366</td>
<td>116</td>
<td>825</td>
</tr>
<tr>
<td>SM 325</td>
<td>119</td>
<td>0400125-1</td>
</tr>
<tr>
<td>CM 325</td>
<td>123</td>
<td>3496</td>
</tr>
</tbody>
</table>

Chart 2

Axle Codes

<table>
<thead>
<tr>
<th>Front</th>
<th>Rear</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>64</td>
<td>540</td>
</tr>
<tr>
<td>06</td>
<td></td>
<td>540 w/No Spin</td>
</tr>
<tr>
<td>13</td>
<td></td>
<td>588.30</td>
</tr>
<tr>
<td>67</td>
<td></td>
<td>588.20</td>
</tr>
<tr>
<td>14</td>
<td></td>
<td>588.30 w/No Spin</td>
</tr>
<tr>
<td>23</td>
<td>73</td>
<td>540 w/Controlled Traction</td>
</tr>
<tr>
<td>26</td>
<td></td>
<td>588.10</td>
</tr>
<tr>
<td>75</td>
<td></td>
<td>588.00</td>
</tr>
<tr>
<td>27</td>
<td></td>
<td>588.10 w/No Spin</td>
</tr>
<tr>
<td>29</td>
<td></td>
<td>588.70</td>
</tr>
<tr>
<td>77</td>
<td></td>
<td>588.60</td>
</tr>
<tr>
<td>30</td>
<td></td>
<td>588.70 w/No Spin</td>
</tr>
</tbody>
</table>

P.I.N. Plate example only, use the actual P.I.N. on the tractor for reference.
**Series IV Bearcat Model CM or KM 225**

**Engine:**
Cat 3306 DIT in-line 6 cyl (CM 225)
Cummins LT-10-H in-line 6 cyl (KM 225)

**Axle:** Steiger/Raba K598 20/30 or 598 60/70 double reduction outboard planetary

**Clutch:** Spicer HD 14 in. dual plate, hydraulically actuated

**Hydraulic System:** Open center, load sensing, full priority to steering, 3 or 4 remote valves and flow control

**Transfer Case:** 2-speed, constant mesh helical gearing, tapered roller bearings, pressure lubricated and oil cooled.

**Transmission:** Spicer SST 1010 constant mesh, spur gear mechanical 10 speed, pressure lubricated and oil cooled. Provides 20 speeds forward, 4 reverse with 2-speed transfer case.

**Parts Catalog P/N:** 37-122R3(10-84)
**Model No:** 109 (CM 225), 112 (KM 225)

---

**Series IV Cougar Model CM 250**

**Engine:** Cat 3306 DIT in-line 6 cyl

**Axle:** Steiger/Raba K598 00/10 double reduction outboard planetary or Steiger/Raba 20/30 double reduction outboard planetary

**Clutch:** Spicer HD 14 in. dual plate, hydraulically actuated

**Hydraulic System:** Open center, load sensing, full priority to steering, 3 or 4 remote valves and flow control

**Transfer Case:** 2-speed, constant mesh helical gearing, tapered roller bearings, pressure lubricated and oil cooled.

**Transmission:** Spicer SST 1010 constant mesh, spur gear mechanical 10 speed, pressure lubricated and oil cooled. Provides 20 speeds forward, 4 reverse with 2-speed transfer case.

**Parts Catalog P/N:** 37-122R3(10-84)
**Model No:** 104 (CM 250)

---

**Series IV Panther Model CM or KM 280**

**Engine:**
Cat 3406 DIT in-line 6 cyl (CM 280)
Cummins NT-855-A280 in-line 6 cyl (KM 280)

**Axle:** Steiger/Raba K598 20/30 or 598 60/70 double reduction outboard planetary

**Clutch:** Spicer HD 15-1/2 in. dual plate, hydraulically actuated

**Hydraulic System:** Open center, load sensing, full priority to steering, 3 or 4 remote valves and flow control

**Transfer Case:** 2-speed, constant mesh helical gearing, tapered roller bearings, pressure lubricated and oil cooled.

**Transmission:** Spicer SST 1010 constant mesh, spur gear mechanical 10 speed, pressure lubricated and oil cooled. Provides 20 speeds forward, 4 reverse with 2-speed transfer case.

**Parts Catalog P/N:** 37-122R3(10-84)
**Model No:** 111 (CM 280), 110 (KM 280)

---

**Series IV Panther Model CM or KM 325**

**Engine:**
Cat 3406 DIT in-line 6 cyl (CM 325)
Cummins NT-855-A325 in-line 6 cyl (KM 325)

**Axle:** Steiger/Raba K598 20/30 or 598 60/70 double reduction outboard planetary

**Clutch:** Spicer HD 15-1/2 in. dual plate, hydraulically actuated

**Hydraulic System:** Open center, load sensing, full priority to steering, 3 or 4 remote valves and flow control

**Transfer Case:** 2-speed, constant mesh helical gearing, tapered roller bearings, pressure lubricated and oil cooled.

**Transmission:** Spicer SST 1010 constant mesh, spur gear mechanical 10 speed, pressure lubricated and oil cooled. Provides 20 speeds forward, 4 reverse with 2-speed transfer case.

**Parts Catalog P/N:** 37-122R3(10-84)
**Model No:** 123 (CM 325), 107 (KM 325)

---

**Series IV Panther Model SM 325**

**Engine:** Komatsu - SA6D-125 in-line 6 cyl

**Axle:** Steiger/Raba K598 20/30 or 598 60/70 double reduction outboard planetary

**Clutch:** Spicer HD 15-1/2 in. dual plate, hydraulically actuated

**Hydraulic System:** Open center, load sensing, full priority to steering, 3 or 4 remote valves and flow control

**Transfer Case:** 2-speed, constant mesh helical gearing, tapered roller bearings, pressure lubricated and oil cooled.

**Transmission:** Spicer SST 1010 constant mesh, spur gear mechanical 10 speed, pressure lubricated and oil cooled. Provides 20 speeds forward, 4 reverse with 2-speed transfer case.

**Parts Catalog P/N:** 37-122R3(10-84)
**Model No:** 119 (SM 325)
Series IV Bearcat
CM 225
(Cat 3306)

Belt P/N's

Engine Fan: 90-1502T1
Alternator: w/Fan
A/C Compressor: 01-2820

Filter P/N's

Engine Air (Primary):
90-4233S1 (std life)
90-4233T1 (ext. life)
Engine Air (Safety): 90-4234T1
Cab Air: 54-304T1
Engine Oil: 28-036
Engine Fuel: 28-025
Transmission/Transfer Case: 18-502
Hydraulic: 18-498
Water: 28-031

Series IV Bearcat
KM 225
(Cummins L10)

Belt P/N's

Engine Fan: 90-3908T1
Alternator: 90-3650T1
A/C Compressor: 01-6864

Filter P/N's

Engine Air (Primary):
90-4233S1 (std life)
90-4233T1 (ext. life)
Engine Air (Safety): 90-4234T1
Cab Air: 54-304T1
Engine Oil: 01-2187
Luber Finer: 90-1158T1
Engine Fuel: 28-035
Transmission/Transfer Case: 18-502
Hydraulic: 18-498
Water: 28-031

Series IV Cougar
KM 280
(Cummins 855)

Belt P/N's

Engine Fan: 06-1580
Alternator: 90-1375T1
A/C Compressor: 01-6864
Water Pump: 90-2383T1

Filter P/N's

Engine Air (Primary):
90-4203S1 (std life)
90-4203T1 (ext. life)
Engine Air (Safety): 90-4204T1
Cab Air: 54-304T1
Engine Oil: 01-2187
Luber Finer: 90-1158T1
Engine Fuel: 28-035
Transmission/Transfer Case: 18-502
Hydraulic: 18-498
Water: 28-031

Series IV Cougar
CM 280
(Cat 3406)

Belt P/N's

Engine Fan: 90-3860T1
Alternator: 90-3907T1
A/C Compressor: 90-3806T1

Filter P/N's

Engine Air (Primary):
90-4203S1 (std life)
90-4203T1 (ext. life)
Engine Air (Safety): 90-4204T1
Cab Air: 54-304T1
Engine Oil: 01-2335
Engine Fuel (Primary): 01-2336
Engine Fuel (Secondary): 01-2334
Transmission/Transfer Case: 18-502
Hydraulic: 18-498
Water: 28-031
Series IV Cougar
CM 250
(Cat 3306)

Belt P/N's

Engine Fan: 90-1502T1
Alternator: w/Fan
A/C Compressor: 01-2820

Filter P/N's

Engine Air (Primary):
90-4233S1 (std life)
90-4233T1 (ext. life)
Engine Air (Safety): 90-4234T1
Cab Air: 54-304T1
Engine Oil: 28-036
Engine Fuel: 28-025
Transmission/Transfer Case: 18-502
Hydraulic: 18-496
Water: 28-031

Series IV Panther
CM 325 & 360
(Cat 3406)

Belt P/N's

Engine Fan:
90-3860T1 (CM 325)
90-4254T1 (CM 360)
Alternator: 90-3807T1
A/C Compressor: 90-3806T1

Filter P/N's

Engine Air (Primary):
90-4203S1 (std life)
90-4203T1 (ext. life)
Engine Air (Safety): 90-4204T1
Cab Air: 54-304T1
Engine Oil: 01-2335
Engine Fuel (Primary): 01-2336
Engine Fuel (Secondary): 01-2334
Transmission/Transfer Case: 18-502
Hydraulic: 18-498
Water: 28-031

Series IV Panther
SM 325
(Komatsu)

Belt P/N's

Engine Fan: 91-1547T1
Alternator: w/fan
A/C Compressor: 06-019

Filter P/N's

Engine Air (Primary):
90-4203S1 (std life)
90-4203T1 (ext. life)
Engine Air (Safety): 90-4204T1
Cab Air: 54-304T1
Engine Oil: 90-4650T1
Engine Fuel: 91-1606T1
Transmission/Transfer Case: 18-502
Hydraulic: 18-498
Water: 91-1605T1
Model CS or KS 280

**Engine:**
Cat 3406 DIT in-line 6 cyl (CS 280)
Cummins NT-855-A280 in-line 6 cyl (KS 280)

**Axle:** Steiger S-40 single reduction outboard planetary or Steiger/Raba K598 20/30 or K598 60/70 double reduction outboard planetary.

**Hydraulic System:** Open center, load sensing, full priority to steering, 3 or 4 remote valves and flow control.

**Transfer Case:** 2-speed, deep reduction 2.303:1 low range ratio, constant mesh helical gearing, tapered roller bearings, pressure lubricated and oil cooled with integral oil reservoir.

**Transmission:** Allison HT 754CRD 5-speed automatic with convertor lockup in all gears (10 speeds forward, 2 reverse w/2-speed transfer case).

**Parts Catalog P/N:** 37-125(12-83)
**Model No:** 155 (CS 280), 154 (KS 280)

**Product Identification Plate:**
In addition to listing the tractor model and serial number, the "P.I.N." plate will aid in determining not only the month and year of manufacture, but other components that make up the product.

---

**Series IV CS & KS Tractors**

**Example:**

**Chart 1**

<table>
<thead>
<tr>
<th>Engine Model Codes</th>
<th>Model</th>
<th>Code</th>
<th>Engine</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 325</td>
<td>150</td>
<td>3406</td>
<td></td>
</tr>
<tr>
<td>KE 325</td>
<td>152</td>
<td>815</td>
<td></td>
</tr>
<tr>
<td>KS 280</td>
<td>164</td>
<td>605</td>
<td></td>
</tr>
<tr>
<td>CS 280</td>
<td>155</td>
<td>3406</td>
<td></td>
</tr>
<tr>
<td>CS 366</td>
<td>156</td>
<td>3496</td>
<td></td>
</tr>
<tr>
<td>KS 366</td>
<td>167</td>
<td>605</td>
<td></td>
</tr>
</tbody>
</table>

**Chart 2**

<table>
<thead>
<tr>
<th>Axle Codes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front</td>
</tr>
<tr>
<td>07</td>
</tr>
<tr>
<td>07</td>
</tr>
<tr>
<td>13</td>
</tr>
<tr>
<td>14</td>
</tr>
<tr>
<td>73</td>
</tr>
<tr>
<td>29</td>
</tr>
<tr>
<td>30</td>
</tr>
</tbody>
</table>

P.I.N. Plate example only, use the actual P.I.N. on the tractor for reference.
Engine:
Cat 3406 DIT in-line 6 cyl (CS 325)
Cummins NT-855-A325 in-line 6 cyl (KS 325)
**Axle:** Steiger S-40 single reduction outboard planetary or Steiger/Raba K598 20/30 or K598 60/70 double reduction outboard planetary.
**Hydraulic System:** Open center, load sensing, full priority to steering, 3 or 4 remote valves and flow control
**Transfer Case:** 2-speed, deep reduction 2.303:1 low range ratio, constant mesh helical gearing, tapered roller bearings, pressure lubricated and oil cooled with integral oil reservoir.
**Transmission:** Allison HT 754CRD 5-speed automatic with converter lock-up in all gears (10 speeds forward, 2 reverse w/2-speed transfer case).
**Parts Catalog P/N:** 37-125(12-83)
**Model No:** 150 (CS 325), 152 (KS 325)

Product Identification Plate:
In addition to listing the tractor model and serial number, the "P.I.N." plate will aid in determining not only the month and year of manufacture, but other components that make up the product.

Refer to P.I.N. information on previous page.
Series IV Cougar
CS 280
(Cat 3406)

Belt P/N's

- Engine Fan: 90-3860T1
- Alternator: 90-3807T1
- A/C Compressor: 90-3806T1

Filter P/N's

- Engine Air (Primary): 90-4203S1 (std life)
- 90-4203T1 (ext. life)
- Engine Air (Safety): 90-4204T1
- Cab Air: 54-304T1
- Engine Oil: 01-2335
- Engine Fuel (Primary): 01-2336
- Engine Fuel (Secondary): 01-2334
- Transmission: 02-2038
- Transfer Case: 18-502
- Hydraulic: 18-498
- Water: 28-031

Series IV Cougar
KS 280
(Cummins 855)

Belt P/N's

- Engine Fan: 02-4432T1
- Alternator: 90-1375T1
- A/C Compressor: 01-6864
- Water Pump: 90-2383T1

Filter P/N's

- Engine Air (Primary): 90-4203S1 (std life)
- 90-4203T1 (ext. life)
- Engine Air (Safety): 90-4204T1
- Cab Air: 54-304T1
- Engine Oil: 01-2187
- Luber Finer: 90-1158T1
- Fuel: 28-035
- Trans: 02-2038
- Drop Box: 18-502
- Hydraulic: 18-498
- Water: 28-031

Series IV Panther
CS 325 & 360
(Cat 3406)

Belt P/N's

- Engine Fan: 90-3860T1 (CS 325)
- 90-4254T1 (CS 360)
- Alternator: 90-3807T1
- A/C Compressor: 90-3806T1

Filter P/N's

- Engine Air (Primary): 90-4203S1 (std life)
- 90-4203T1 (ext. life)
- Engine Air (Safety): 90-4204T1
- Cab Air: 54-304T1
- Engine Oil: 01-2335
- Engine Fuel (Primary): 01-2336
- Engine Fuel (Secondary): 01-2334
- Transmission: 02-2038
- Transfer Case: 18-502
- Hydraulic: 18-498
- Water: 28-031

Series IV Panther
KS 325 & 360
(Cummins 855)

Belt P/N's

- Engine Fan: 02-4432T1
- Alternator: 90-1375T1
- A/C Compressor: 01-6864
- Water Pump: 90-2383T1

Filter P/N's

- Engine Air (Primary): 90-4203S1 (std life)
- 90-4203T1 (ext. life)
- Engine Air (Safety): 90-4204T1
- Cab Air: 54-304T1
- Engine Oil: 01-2187
- Luber Finer: 90-1158T1
- Fuel: 28-035
- Trans: 02-2038
- Drop Box: 18-502
- Hydraulic: 18-498
- Water: 28-031
**Engine:** Cummins KTA 1150-A525 in-line 8 cyl  
**Axle:** Steiger/Raba K594 20/30 double reduction outboard planetary. 31.702:1 overall ratio  
**Hydraulic System:** Open center, load sensing, full priority to steering, 4 or 5 remote valves and flow control  
**Transfer Case:** 4-speed, constant mesh helical gear- ing, sliding collar shifting and tapered roller bearings, pressure lubricated and oil cooled.  
**Transmission:** Allison CLT 5961 5-speed electric powershift with torque convertor and automatic convertor lockup feature. Will provide 24 speeds forward and 4 reverse w/4-speed transfer case.  
**Parts Catalog P/N:** 37-128(3-84)  
**Model No:** 131 (KP 525)

**Product Identification Plate:**  
In addition to listing the tractor model and serial number, the "P.I.N." plate will aid in determining not only the month and year of manufacture, but other components that make up the product.

---

**Series IV KP 525 Tractors**

**Example:**

---

**Chart 1**

<table>
<thead>
<tr>
<th>Engine Model Codes</th>
<th>K - Cummins</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
<td>Code</td>
</tr>
<tr>
<td>KP 525</td>
<td>131</td>
</tr>
</tbody>
</table>

**Chart 2**

<table>
<thead>
<tr>
<th>Axle Codes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front</td>
</tr>
<tr>
<td>Rear</td>
</tr>
<tr>
<td>Model</td>
</tr>
<tr>
<td>24</td>
</tr>
<tr>
<td>25</td>
</tr>
<tr>
<td>74</td>
</tr>
</tbody>
</table>

P.I.N. Plate example only, use the actual P.I.N. on the tractor for reference.
Series IV Tiger
KP 525
(Cummins 1150)

Belt P/N's

**Engine Fan:** none
**Alternator:** 01-3983
**A/C Compressor:** 90-5774T1

Filter P/N's

**Engine Air (Primary):**
01-3898S1 (std life)
01-3898T1 (ext. life)
**Engine Air (Safety):** 01-3899T1
**Cab Air:** 54-304T1
**Engine Oil:** 01-2187
**Luber Finer:** 90-1158T1
**Engine Fuel:** 28-035
**Transmission:** 01-3984T1
**Transfer Case:** 02-2038
**Hydraulic:** 16-498
**Water:** 28-031
Model CP or KP 1325

**Engine:**
Cat 3406 DIT in-line 6 cyl (CP 1325)
Cummins 855 NTA C-325 in-line 6 cyl (KP 1325)

**Axle:**
Steiger S-40 single reduction outboard planetary or Steiger/Raba K598 60/70 double reduction outboard planetary (later production)

**Hydraulic System:**
Closed-center, load sensing and pressure compensating. Individual remote valve section flow control from 3-25 gpm.

**Transmission:**
PowerPulse, model TD-124-1402 electronically controlled 12-speed forward, 2 reverse powershift

**Parts Catalog P/N:** 37-108R4(6-84)

---

**Beginning S/N By Model/Year**

<table>
<thead>
<tr>
<th>Year</th>
<th>Beginning S/N</th>
</tr>
</thead>
<tbody>
<tr>
<td>1982</td>
<td>P03-00501 (CP 1325) P04-00501 (KP 1325)</td>
</tr>
<tr>
<td>1983</td>
<td>P03-02501 (CP 1325) P04-02501 (KP 1325)</td>
</tr>
</tbody>
</table>

**Product Identification Plate:**
In addition to listing the tractor model and serial number, the "P.I.N." plate will aid in determining not only the month and year of manufacture, but other components that make up the product.

---

**Example:**

```
<table>
<thead>
<tr>
<th>Engine Model Codes</th>
</tr>
</thead>
<tbody>
<tr>
<td>CP1325</td>
</tr>
<tr>
<td>KP1325</td>
</tr>
<tr>
<td>CP1360</td>
</tr>
<tr>
<td>KP1360</td>
</tr>
<tr>
<td>CP1400</td>
</tr>
<tr>
<td>KP1400</td>
</tr>
</tbody>
</table>
```

**Chart 2**

<table>
<thead>
<tr>
<th>Axle Codes</th>
</tr>
</thead>
<tbody>
<tr>
<td>07</td>
</tr>
<tr>
<td>08</td>
</tr>
<tr>
<td>15</td>
</tr>
<tr>
<td>16</td>
</tr>
<tr>
<td>29</td>
</tr>
<tr>
<td>30</td>
</tr>
</tbody>
</table>

P.I.N. Plate example only, use the actual P.I.N. on the tractor for reference.
Panther 1000 Series

Model CP or KP 1360

**Engine:**
Cat 3406 DITA in-line 6 cyl (CP 1360)
Cummins NTA 855 C-360 in-line 6 cyl (KP 1360)

**Axle:** Steiger S-40 single reduction outboard planetary or Steiger/Raba K598 60/70 double reduction outboard planetary (later production)

**Hydraulic System:** Closed-center, load sensing and pressure compensating. Individual remote valve section flow control from 3-25 gpm.

**Transmission:** PowerPulse, model TD-124-1402 electronically controlled 12-speed forward, 2 reverse powershift

**Parts Catalog P/N:** 37-108R4(6-84)

---

Model CP or KP 1400

**Engine:**
Cat 3406 DITA in-line 6 cyl (CP 1400)
Cummins NTA 855 C-400 in-line 6 cyl (KP 1400)

**Axle:** Steiger/Raba K59400/10 inboard and outboard planetary gearing

**Hydraulic System:** Closed-center, load sensing and pressure compensating. Individual remote valve section flow control from 3-25 gpm.

**Transmission:** PowerPulse, model TD-124-1402 electronically controlled 12-speed forward, 2 reverse powershift

**Parts Catalog P/N:** 37-108R4(6-84)

---

**Beginning S/N By Model/Year**

**Model: CP or KP 1360 Panther 1000 Series**

<table>
<thead>
<tr>
<th>Year</th>
<th>Beginning S/N</th>
</tr>
</thead>
<tbody>
<tr>
<td>1982</td>
<td>P07-00501 (CP 1360)</td>
</tr>
<tr>
<td>1983</td>
<td>P07-02501 (CP 1360)</td>
</tr>
</tbody>
</table>

**Model: CP or KP 1400 Panther 1000 Series**

<table>
<thead>
<tr>
<th>Year</th>
<th>Beginning S/N</th>
</tr>
</thead>
<tbody>
<tr>
<td>1982</td>
<td>P09-00501 (CP 1400)</td>
</tr>
<tr>
<td>1983</td>
<td>P09-02501 (CP 1400)</td>
</tr>
</tbody>
</table>

**Product Identification Plate:**
In addition to listing the tractor model and serial number, the "P.I.N." plate will aid in determining not only the month and year of manufacture, but other components that make up the product.

Refer to P.I.N. information on previous page.
Panther 1000 Series
CP 1325, 1360 & 1400
(Cat 3406)

Belt P/N's

**Engine Fan:**
90-1163T1 (BSN 2600)
90-3861T1 (ASN 2600)

**Alternator:**
50-2279T1 (BSN 3008)
90-3807T1 (ASN 3008)

**A/C Compressor:**
01-2820 (BSN 3008)
90-3806T1 (ASN 3008)

Filter P/N's

**Engine Air (Primary):**
45-252S1 (std life, BSN 3096)
45-252 (ext. life, BSN 3096)
90-4203S1 (std life, ASN 3096)
90-4203T1 (ext. life, ASN 3096)

**Engine Air (Safety):**
45-253 (BSN 3096)
90-4204T1 (ASN 3096)

**Cab Air (Inlet): 60-1981T1**
**Cab Air (Recirculation): 60-2156T1**
**Engine Oil:** 01-2335
**Engine Fuel (Primary):** 01-2336
**Engine Fuel (Secondary):** 01-2334
**Transmission:** 02-2038
**Hydraulic:** 50-1911T91
**Hydraulic Tank Relief:** 18-1633
**Water:** 28-031

Panther 1000 Series
KP 1325, 1360 & 1400
(Cummins 855)

Belt P/N's

**Engine Fan:** 02-4432T1
**Alternator:** 90-1375T1
**A/C Compressor:** 01-6864
**Water Pump:** 90-2383T1

Filter P/N's

**Engine Air (Primary):**
45-252S1 (std life, BSN 3096)
45-252 (ext. life, BSN 3096)
90-4203S1 (std life, ASN 3096)
90-4203T1 (ext. life, ASN 3096)

**Engine Air (Safety):**
45-253 (BSN 3096)
90-4204T1 (ASN 3096)

**Cab Air (Inlet): 60-1981T1**
**Cab Air (Recirculation): 60-2156T1**
**Engine Oil:** 01-2187
**Luber Finer:** 90-1158T1
**Engine Fuel:** 28-035
**Transmission:** 02-2038
**Hydraulic:** 50-1911T91
**Hydraulic Tank Relief:** 18-1633
**Water:** 28-031
Model CR or KR 1225

**Engine:**
Cat 3306B DIT in-line 6 cyl (CR 1225)
Cummins LT-10-A in-line 6 cyl (KR 1225)

**Axle:** Adjustable bar, single reduction inboard planetary (front differential lock optional). 27.66:1 overall ratio, or Steiger/Raba K598 60/70 double reduction outboard planetary (front no-spin optional). 25.474:1 overall ratio.

**Brakes:** Hydraulic, self-adjusting single caliper, disc brake.

**Clutch:** Engine flywheel mounted 2-plate torque limiting type

**Hydraulic System:** Closed-center, load sensing, pressure compensating, full priority to steering. 3 or 4 spool remote valves with individual section float positions and flow control; 2 to 30 gpm.

**Transmission:** Range powershift, 20 speeds forward, 4 reverse. 2-Speed powershift hydraulically operated and electronically controlled. 2-speed transfer case integral with main 5-speed transmission. Independent pressure oil lubrication and cooling.

**PTO System (optional):** Live and independent system. Lever actuated, hydraulically operated wet clutch with integral hydraulically applied brake when control is shutoff. Shaft speed 1000 rpm @ 2100 engine rpm.

**Parts Catalog P/N:** 37-141(2-85)

**Comments:** The Cougar 1000 Series first introduced in January, 1985.

**Product Identification Plate:**
In addition to listing the tractor model and serial number, the "P.I.N." plate will aid in determining not only the month and year of manufacture, but other components that make up the product.

**Example:**

```
charted 1

<table>
<thead>
<tr>
<th>Engine Model Codes</th>
<th>Engine Model</th>
<th>( ^\text{C}^\text{M} )</th>
</tr>
</thead>
<tbody>
<tr>
<td>CR 1225</td>
<td>C01</td>
<td>3006</td>
</tr>
<tr>
<td>KR 1225</td>
<td>C02</td>
<td>10L</td>
</tr>
<tr>
<td>CR 1260</td>
<td>C03</td>
<td>3006</td>
</tr>
<tr>
<td>KR 1260</td>
<td>C04</td>
<td>10L</td>
</tr>
<tr>
<td>CR 1295</td>
<td>C05</td>
<td>3006</td>
</tr>
<tr>
<td>KR 1295</td>
<td>C06</td>
<td>10L</td>
</tr>
<tr>
<td>CR 1295</td>
<td>C07</td>
<td>3006</td>
</tr>
<tr>
<td>KR 1295</td>
<td>C08</td>
<td>10L</td>
</tr>
</tbody>
</table>
```

**Chart 2**

```
<table>
<thead>
<tr>
<th>Axle Codes</th>
<th>( ^\text{C}^\text{M} )</th>
</tr>
</thead>
<tbody>
<tr>
<td>31</td>
<td>550.74</td>
</tr>
<tr>
<td>32</td>
<td>550.64</td>
</tr>
<tr>
<td>33</td>
<td>550.74 (w/No Spins)</td>
</tr>
<tr>
<td>34</td>
<td>225 Adj Bar</td>
</tr>
<tr>
<td>35</td>
<td>225 Adj Bar w/Diff Lock</td>
</tr>
<tr>
<td>36</td>
<td>220 Adj Bar</td>
</tr>
<tr>
<td>37</td>
<td>220 Adj Bar w/Diff Lock</td>
</tr>
</tbody>
</table>
```

P.I.N. Plate example only, use the actual P.I.N. on the tractor for reference.
Cougar 1000 Series

Model CR or KR 1280

**Engine:**
Cat 3306B DITA in-line 6 cyl (CR 1280)
Cummins LT-10-A in-line 6 cyl (KR 1280)

**Axle:** Adjustable bar, single reduction inboard planetary (front differential lock optional). 27.66:1 overall ratio, or Steiger/Raba KS 98 60/70 double reduction outboard planetary (front no-spin optional). 25.474:1 overall ratio.

**Brakes:** Hydraulic, self-adjusting single caliper, disc brake.

**Clutch:** Engine flywheel mounted 2-plate torque limiting type

**Hydraulic System:** Closed-center, load sensing, pressure compensating, full priority to steering. 3 or 4 spool remote valves with individual section float positions and flow control; 2 to 30 gpm.

**Transmission:** Range powershift, 20 speeds forward, 4 reverse. 2-Speed powershift hydraulically operated and electronically controlled. 2-speed transfer case integral with main 5-speed transmission. Independent pressure oil lubrication and cooling.

**PTO System (optional):** Live and independent system. Lever actuated, hydraulically operated wet clutch with integral hydraulically applied brake when control is shutoff. Shaft speed 1000 rpm @ 2100 engine rpm.

**Parts Catalog P/N:** 37-141(2-85)

**Comments:** The Cougar 1000 Series first introduced in January, 1985.

**Product Identification Plate:**
In addition to listing the tractor model and serial number, the "P.I.N." plate will aid in determining not only the month and year of manufacture, but other components that make up the product.

Refer to P.I.N. information on previous page.
**Cougar 1000 Series**
**CR 1225 & 1280**
(Cat 3306)

**Belt P/N's**
- **Engine Fan**: 90-4664T1
- **Alternator**: w/Fan
- **A/C Compressor**: 06-1428

**Filter P/N's**
- **Engine Air (Primary)**: 90-4233S1 (std life, CR 1225)
  90-4233T1 (ext. life, CR 1225)
  90-6017S1 (std life, CR 1280)
  90-6017T1 (ext. life, CR 1280)
- **Engine Air (Safety)**: 90-4234T1 (CR 1225)
  90-6018T1 (CR 1280)
- **Cab Air (Inlet)**: 60-4452T1
- **Cab Air (Recirculation)**: 60-3846T2
- **Engine Oil**: 28-036
- **Engine Fuel**: 28-025
- **Transmission/Transfer Case**: C253879
- **Hydraulic**: 50-2689T1
- **Hydraulic Tank Relief**: 18-1633
- **Water**: 28-031
- **Diff Lock (option)**: 18-502

**Cougar 1000 Series**
**KR 1225 & 1280**
(Cummins L10)

**Belt P/N's**
- **Engine Fan**: 90-3906T1
- **Alternator**: 90-3650T1
- **A/C Compressor**: 06-6864

**Filter P/N's**
- **Engine Air (Primary)**: 90-4233S1 (std life, KR 1225)
  90-4233T1 (ext. life, KR 1225)
  90-6017S1 (std life, KR 1280)
  90-6017T1 (ext. life, KR 1280)
- **Engine Air (Safety)**: 90-4234T1 (KR 1225)
  90-6018T1 (KR 1280)
- **Cab Air (Inlet)**: 60-4452T1
- **Cab Air (Recirculation)**: 60-3846T2
- **Engine Oil**: 01-2187
- **Luber Finer**: 90-1158T1
- **Engine Fuel**: 28-035
- **Transmission/Transfer Case**: C253879
- **Hydraulic**: 50-2689T1
- **Hydraulic Tank Relief**: 18-1633
- **Water**: 28-031
- **Diff Lock (option)**: 18-502