

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):

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

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.

STEIGER 4 WD Tractor Model Identification Guide 1969-1998

Rac 7-88470

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June, 1998

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.

Serial Number Range By Model and Year

Series I

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

Series II

SERIES II BUILT IN 1974		SERIES II BUILT IN 1975		SERIES II BUILT IN 1976	
Model	Beginning S/N	Model	Beginning S/N	Model	Beginning S/N
RC 200	50001	RC 200	50043	ST 225	3772
RC 225	55001	RC 225	55087	ST 300	21220
ST 200	9001	ST 200	9074	ST 310	90337
ST 225	3001	ST 225	3402	ST 320	30430
ST 300	20501	ST 300	20726		
ST 310	90001	ST 310	90037		
ST 320	30101	ST 320	30198		

Series III

SERIES III BUILT IN 1976		SERIES III BUILT IN 1977		SERIES III BUILT IN 1978		SERIES III BUILT IN 1979	
Model	Beginning S/N	Model	Beginning S/N	Model	Beginning S/N	Model	Beginning S/N
ST 210 RC 210 ST 220	100-0001 101-0001 103-0001	ST 210 RC 210	100-00214-256 101-00114-125 & 00136-169	ST 210 ST 270 ST 251	100-00500 105-00477 106-00256	ST 210 ST 270 ST 251	100-00580 105-00658 106-00379
ST 250 ST 280 ST 251	104-0001 105-0001 106-0001	ST 220 ST 250 ST 270	103-00187 104-00266 105-00330	ST 310 ST 325 ST 450	107-00463 123-00370 130-00047	ST 310 ST 325 ST 450	107-00612 123-00627 130-00097
ST 310 ST 320 ST 325	107-0001 108-0001 123-0001	ST 251 ST 310 ST 320	106-00166 107-00314 108-00187	ST 350 PT 350 PT 225	139-00011 140-00023 141-00157	ST 350 PT 350 PT 225	139-00031 140-00059 141-00336
		ST 325 ST 450 ST 350	123-00123 130-00001 139-00001	PT 270 PTA 297 TL 250	143-00082 149-00001 601-00001	PT 270 PTA 297	143-00154 149-00004
		PT 350 PT 225 PT 270	140-00001 141-00001 143-00001				

SERIES III BUILT IN 1980		SERIES III BUILT IN 1981		SERIES III BUILT IN 1982		SERIES III BUILT IN 1983	
Model	Beginning S/N	Model	Beginning S/N	Model	Beginning S/N	Model	Beginning S/N
ST 210 ST 270 ST 251	100-00595 105-00872 106-00737	ST 250 ST 270 ST 251	104-01001 105-01000 106-01055	ST 250 ST 251 ST 310	104-01501 106-01501 107-01501	ST 250 ST 310 ST 225	104-02501 107-02501 109-02501
ST 310 ST 225 ST 325	107-00887 109-00001 123-00887	ST 310 ST 225 ST 280-Cu	107-01079 109-00170 110-00001	ST 225 ST 280-Cu ST 280-Ca	109-01501 110-01501 111-01501	ST 280-Cu ST 280-Ca ST 325	110-02501 111-02501 123-02501
ST 450 ST 470 ST 350	129-00007 130-00174 139-00061	ST 280-Ca ST 325 ST 450	111-00001 123-01124 129-00010	ST 325 ST 450 ST 470	123-01501 129-01501 130-01501	PTA 280Cu PTA 280Ca	154-02501 155-02501
PT 350 PT 225 PT 250	140-00062 141-00537 142-00007	ST 470 ST 350 PT 350	130-00209 139-00069 140-00075	PTA 325 PTA 310 PTA 280Cu	150-01501 152-01501 154-01501		
PT 270 PTA 297 PTA 325	143-00211 149-00042 150-00036	PT 350 PT 225 PT 270	141-00651 143-00236 149-00079	PTA 280Ca	155-01501		
PTA 270 PTA 310 PTA 325	151-00001 152-00002 153-00001	PTA 325 PTA 270 PTA 310	150-00273 151-00042 152-00070				
		PTA 251 PTA 280Cu PTA 280Ca	153-00002 154-00001 155-00001				

Industrial Series CA-CU

INDUSTRIAL BUILT IN 1982		INDUSTRIAL BUILT IN 1983		INDUSTRIAL BUILT IN 1984	
Model	Beginning S/N	Model	Beginning S/N	Model	Beginning S/N
CA 280 CU 280	160-00501 161-00501	CA 280 CU 280	160-02501 161-02501	CA 280	160-03001
CA 325 CU 325	162-00501 163-00501	CA 325	162-02501		
CA 360 CU 360	164-00501 165-00501	CA 360	164-02501	CA 360	164-03001

Series IV

SERIES IV BUILT IN 1983		SERIES IV BUILT IN 1984		SERIES IV BUILT IN 1985	
Model	Beginning S/N	Model	Beginning S/N	Model	Beginning S/N
CM 225 KM 225 CM 250	109-03001 112-03001 104-03001	CM 225 KM 225 CM 250	109-03201 112-03201 104-03201	CM 225 KM 225 CM 250	109-05001 112-05001 104-05001
CM 280 KM 225	111-03001 110-03001	CM 280 KM 280 CS 280	111-03201 110-03201 155-03001	CM 280 KM 280 CS 280	111-05001 110-05001 155-05001
CM 325 KM 325	123-03001 107-03001	KS 280 CM 325 KM 325	154-03001 123-03201 107-03201	CM 325 KM 325	123-05001 107-05001
		SM 325 CS 325 KS 325	119-04001 150-03001 152-03001	SM 325 CS 325 KS 325	119-05001 150-05001 152-05001
CM 360 KM 360	115-03001 116-03001	CM 360 KM 360 CS 360	115-03201 116-03201 156-03001	CM 360 KM 360 CS 360	115-05001 116-05001 156-05001
		KS 360 KP 525	157-03001 131-03201	KS 360 KP 525	157-05001 131-05001

Cougar 1000 Series

C1000 BUILT IN 1985	
Model	Beginning S/N
CR 1225 (Bar axle) CR 1225 (Std axle)	C01-05001 C05-05001
KR 1225 (Bar axle) KR 1225 (Std axle)	C02-05001 C06-05001
CR 1280 (Bar axle) CR 1280 (Std axle)	C03-05001 C07-05001
KR 1280 (Bar axle) KR 1280 (Std axle)	C04-05001 C08-05001

Panther 1000 Series

P1000 BUILT IN 1982		P1000 BUILT IN 1983		P1000 BUILT IN 1984		P1000 BUILT IN 1985	
Model	Beginning S/N	Model	Beginning S/N	Model	Beginning S/N	Model	Beginning S/N
CP 1325 KP 1325	P03-00501 P04-00501	CP 1325 KP 1325	P03-02501 P04-02501	CP 1325 KP 1325	P03-03001 P04-03001	CP 1325 KP 1325	P03-05001 P04-05001
CP 1360 KP 1360	P07-00501 P08-00501	CP 1360 KP 1360	P07-02501 P08-02501	CP 1360 KP 1360	P07-03001 P08-03001	CP 1360 KP 1360	P07-05001 P08-05001
CP 1400 KP 1400	P09-00501 P10-00501	CP 1400 KP 1400	P09-02501 P10-02501	CP 1400 KP 1400	P09-03001 P10-03001	CP 1400 KP 1400	P09-05001 P10-05001

STEIGER 1000 Powershift Series

BEGINNING S/N BUILT IN EARLY 1986				
PUMA 1000 POWERSHIFT	BEARCAT 1000 POWERSHIFT	COUGAR 1000 POWERSHIFT	PANTHER 1000 POWERSHIFT	LION 1000 POWERSHIFT
S01-6001	C09-6078 C10-6044 C13-5473 C14-5475	C11-6042 C12-6043 C15-5479 C16-5476	P01-6503 P02-6502	P05-6501 P06-6506

STEIGER 1000 Powershift Series

Case IH 9100 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:

BEGINNING S/N BUILT IN LATE 1986- 179-00000 BEGINNING S/N BUILT IN 1987 - 179-00250	BEGINNING S/N BUILT IN 1986 - 179-00150 BEGINNING S/N BUILT IN 1987 - 179-00550
STEIGER MODEL PUMA BEARCAT COUGAR PANTHER LION KP525	CASE IH MODEL 9110 9130 9150 9170 9180 9190

9100 Series

BEGINNING S/N BY YEAR	
Year	Beginning S/N
1988	JCB-0001501
1989	JCB-0002500
1990	JCB-0004600

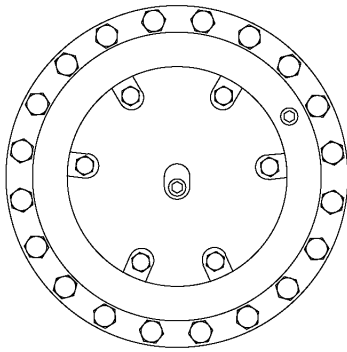
9200 Series

BEGINNING S/N BY YEAR	
Year	Beginning S/N
1990	JCB-0006532
1991	JCB-0026501
1992	JCB-0028400
1993	JCB-0030500
1994	JEE-0031701
1995	JEE-0033501

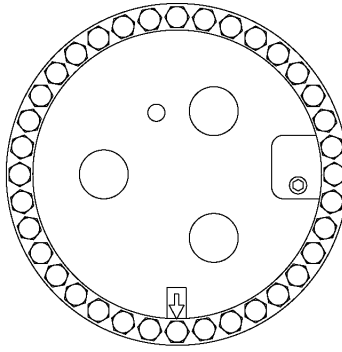
9300 Series

BEGINNING S/N BY YEAR	
Year	Beginning S/N
1995	JEE-0035001
1996	JEE-0036501
1997	JEE-0067501
1998	JEE-0070501

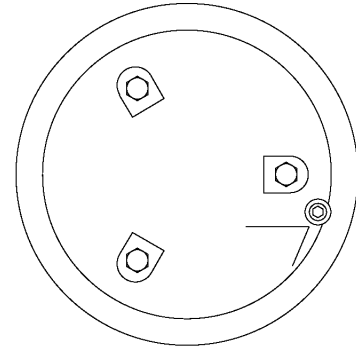
Axle Wheel End Identification Reference



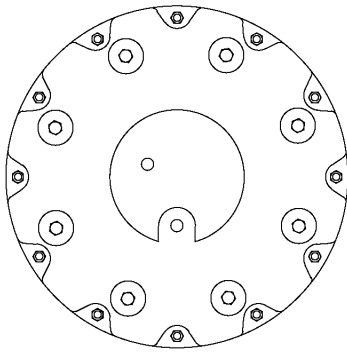
STD CLARK



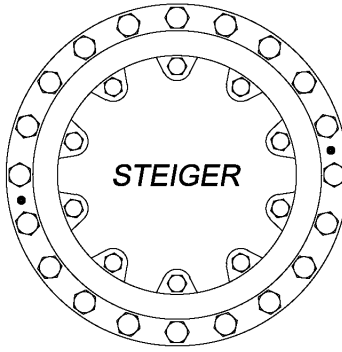
HD CLARK



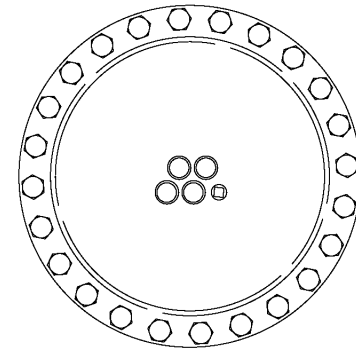
DANA



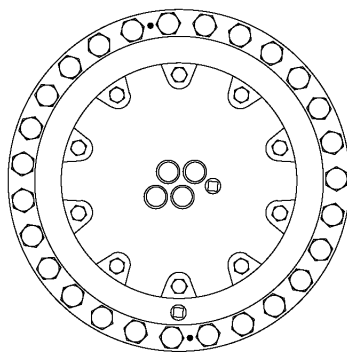
ROCKWELL



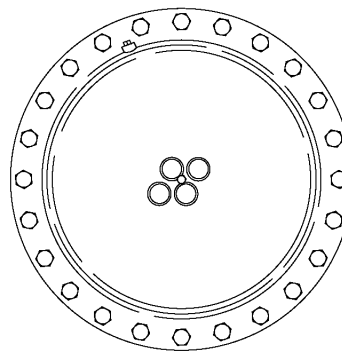
RABA K598 00/10 & 20/30



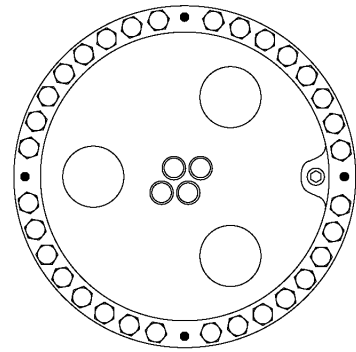
RABA K598 60/70



RABA K594 00/10



RABA K594 20/30



STEIGER S-34 - S-40

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.

Series I Model Tractors

Wildcat, Super Wildcat & Bearcat 1969 - 1974



MK98E010

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

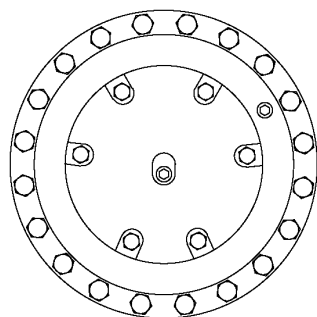
Year	WC	SWC	BC
1969	8000-8058	8000-8075	
1970	8059-8318	8076-8321	2000-2039
1971	8319-8368	8322-8404	2040-2274
1972	8369-8552	8405-8542	2275-2441
1973	8553-8630	8543-8667	2442-2819
1974		8668-8675	2828-2890

Series I & II WC, SWC & BC

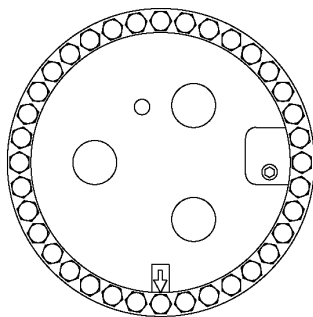
Axle Usage & Speed Chart Summary (24.5 x 32 R-1 Tires)

Rockwell Standard Axle								
Comments	STEIGER P/N	Rockwell Model No.	OA Ratio	Planetary Ratio	Ring & Pinion Ratio	Speed MPH	Tractor Model	S/N Range
1st axle used in these models	16-004(F) 16-005(R)	PR-150NX-5F PR-150NX-5R	24.599 24.599	3.60 3.60	6.833 6.833	24.7 24.7	WC, SWC WC, SWC	8350 & below 8350 & below
Field upgrade for 16-004 & 16-005 Kit P/N 35-009 & 24-010	16-703 16-704	PR-150NX-5W/ MPS PR-150NX-5W/ MPS	22.360 22.360	4.23 4.23	5.286 5.286	27.2 27.2	WC, SWC WC, SWC	8350 & below 8350 & below
Clark Axle								
		Clark Model No.						
1st Clark Axle used	16-499 16-500	D-19150(F) D-19150(R)	25.437 25.437	4.125 4.125	6.166 6.166	23.89 23.89	SWC SWC	8394-8552 8394-8552
2nd Production Axle used	16-1288 16-1289	D-19251(F) D-19251(R)	25.437 25.437	4.125 4.125	6.166 6.166	20.90 20.90	SWC, BC SWC, BC	SWC 8630-9022 BC 2443-3280
Soft ratio upgrade for 16-1288 & 1289 axles	16-1352 16-1353	D-19251(F) D-19251(R)	20.035 20.035	4.125 4.125	4.857 4.857	26.54 26.54	SWC, BC SWC, BC	
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	

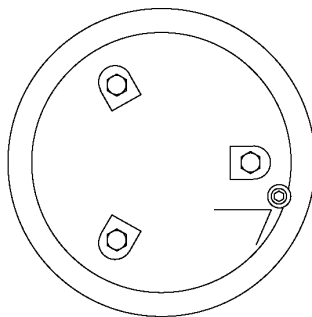
IMPORTANT: Always refer to Series I & II WC, SWC & BC Parts Catalog P/N 37-085 (4-81) for specific information and part numbers regarding axles and usage.



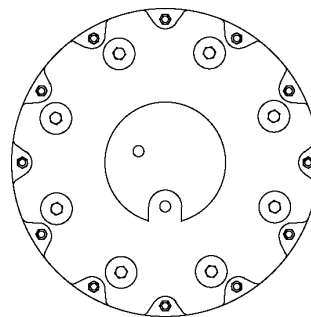
STD CLARK WHEEL END



HD CLARK WHEEL END



DANA WHEEL END



ROCKWELL WHEEL END

MA98E015

Series I Wildcat, Super Wildcat & Bearcat (Cat 3100-V8)

BELT P/Ns

Engine Fan:06-019

Alternator: 06-019 (55" std)

06-076 (57" on some w/5" pulley)

A/C Compressor:.....06-024

FILTER P/Ns

Engine Air (Primary):..... 09-026S1 (std life)

09-026 (ext. life)

Air Filter (Secondary):.....09-027

Cab Air:..... 24-029 (panel style)

09-060 (side mount)

Engine Oil:.....28-006

Engine Fuel: 28-005

Transmission/Transfer Case: 28-007 (69-71 grey color)

18-502 (72-74 white color)

Hydraulic (cartridge): 28-004 (WC & SWC BSN 8519)

BC BSN 2403

Hydraulic (spin-on):.....18-498 (after above SN's)

Hydraulic Tank Relief:18-1633 (same usage as 28-004)

Series I Cougar 1971 - 1974



MK98E014

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)

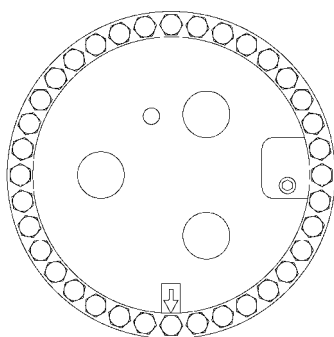
Beginning S/N - Model Year

Year	Beginning S/N
1971	10002
1972	20006
1973	20092
1974	20376

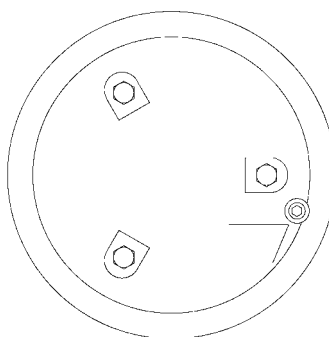
Series I Cougar

Axle Usage & Speed Chart Summary

Clark Axle						
Comments	STEIGER P/N	Clark Model No.	OA Ratio	Planetary Ratio	Ring & Pinion Ratio	Speed MPH
1st Clark Axle used in this model	16-1290(F)	D-33600F	26.125	4.125	6.333	15.9
	16-1291(R)	D-33600R	26.125	4.125	6.333	15.9
Soft ratio upgrade for 16-1290 & 1291 axles	16-1354(F)	D-33600F	19.078	4.125	4.625	21.9
	16-1355(R)	D-33600R	19.078	4.125	4.625	21.9
Dana Axle						
		Dana Model No.				
	16-501	A-280	26.68	4.00	6.669	15.7



HD CLARK WHEEL END



DANA WHEEL END

MA98F016

Series I Cougar ST 300 (Cat D333)

BELT P/Ns

Engine Fan: 06-019 (BSN 20033)
 06-076 (ASN 20033)
 Alternator: 06-066 (w/o A/C)
 06-024 (w/A/C)
 A/C Compressor: 06-024 (shared with alt)

FILTER P/Ns

Engine Air (Primary): 28-020S1 (std life)
 28-020 (ext. 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)

Series I Turbo-Tiger 1973 - 1974



MK98E013

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

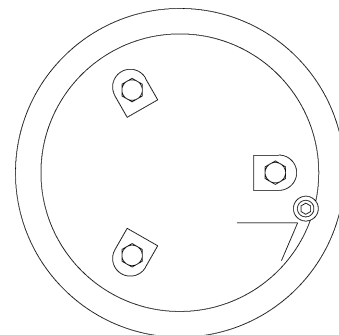
TRANSFER CASE: Swinging type, 3-shaft drop, with tapered roller bearings, 1:1 Ratio

TRANSMISSION: Spicer 1010 mechanical 10-speed

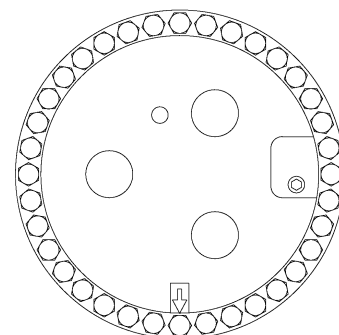
PARTS CATALOG P/N: 37-084 (8-80)

Beginning S/N - Model Year

Year	Beginning S/N
1973	30002
1974	30063



DANA WHEEL END



HD CLARK WHEEL END

MK98F019

Engine Fan:06-096
 Alternator:06-097
 A/C Compressor:06-066

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



MK98E017

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

Year	Beginning S/N
1974	9001
1975	9074

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.

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

Year	Beginning S/N
1974	50001
1975	50043

Series II Bearcat

1974 - 1976



MK98E023

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)

Serial No. Range By Model/Year

Year	Beginning S/N
1974	3001
1975	3402
1976	3772

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)

Serial No. Range By Model/Year

Year	Beginning S/N
1974	55001
1975	55087

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



MK98E021

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)

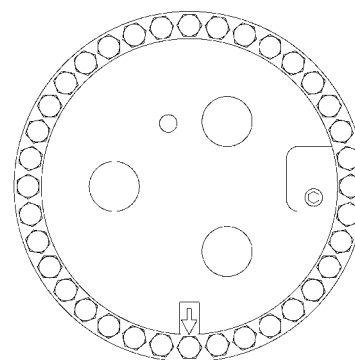
TRANSFER CASE: Swinging type, oil cooled, tapered roller bearings with 1:1 Gear Ratio

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

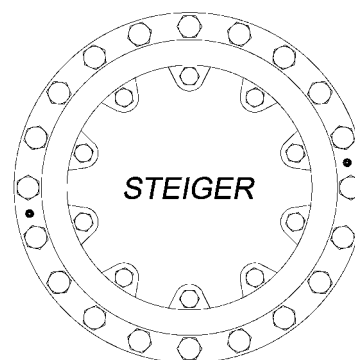
Note: *The transmission and transfer case on this model share a central oil sump.*

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.



HD CLARK WHEEL END



RABA K598 00/10 WHEEL END

Serial No. Range By Model/Year

Model	Year	Beginning S/N
ST 300	1974	20501
ST 300	1975	20726
ST 300	1976	21220

MA98F017

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



MK98E019

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.

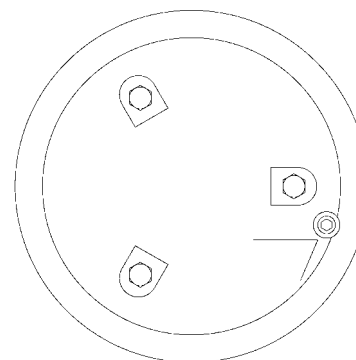
Note: *The transmission and transfer case on this model share a central oil sump.*

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

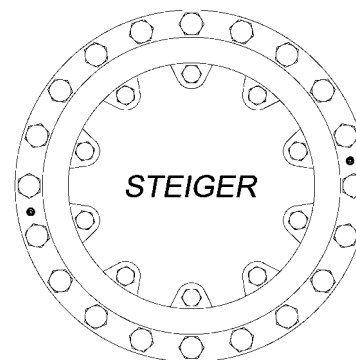
Comments: The first Panther model tractor introduced and featured the 855 Cummins 6-cyl engine and the tilt-up hood.

Serial No. Range By Model/Year

Model	Year	Beginning S/N
ST 310	1974	90001
ST 310	1975	90037
ST 310	1976	90337



DANA WHEEL END



RABA K598 00/10 WHEEL END

MA98F018

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

FILTER P/Ns

Engine Air (Primary): 28-029S1 (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



MK98E022

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.

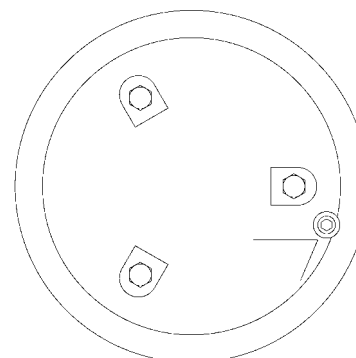
Note: *The transmission and transfer case on this model share a central oil sump.*

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

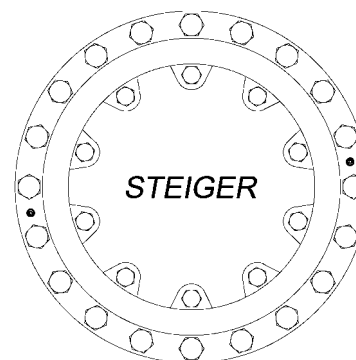
Comments: The Series II Cougar, Panther and Turbo Tiger were the first tractors produced featuring the tilt-up hood.

Serial No. Range By Model/Year

Model	Year	Beginning S/N
ST 320	1974	30101
ST 320	1975	30198
ST 320	1976	30430



DANA WHEEL END



RABA K598 00/10 WHEEL END

MA98F018

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)
	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:	28-019
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



MK98E012

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)

Serial No. Range By Model/Year

Model	Year	Beginning S/N
ST 210	1976	100-00001
ST 210	1977	100-00214
*ST 210	1978	100-00500
*ST 210	1979	100-00580
*ST 210	1980	100-00595

**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

Model	Year	Beginning S/N
RC 210	1976	101-00001
*RC 210	1977	101-00114

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

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)
45-213 (ext. life)
 Engine Air (Safety):45-212
 Engine Oil:.....28-006 (BSN 580)
02-3509T1 (ASN 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

Series III Bearcat 1976 - 1983



MK98E018

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

Model	Year	Beginning S/N
ST 220	1976	103-00001
ST 220	1977	103-00187

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)

Serial No. Range By Model/Year

Model	Year	Beginning S/N
ST 225	1980	109-00001
ST 225	1981	109-00170
ST 225	1982	109-01501
ST 225	1983	109-02501

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)
 Lubr 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



MK98F001

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

Model	Year	Beginning S/N
ST 250	1976	104-00001
ST 250	1977	104-00266
ST 250	1981	104-01001
ST 250	1982	104-01501
ST 250	*1983	104-02501

**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

Model	Year	Beginning S/N
ST 251	1976	106-00001
ST 251	1977	106-00166
ST 251	1978	106-00256
ST 251	1979	106-00370
ST 251	1980	106-00737
ST 251	1981	106-01055
ST 251	1982	106-01501

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*

Serial No. Range By Model/Year

Model	Year	Beginning S/N
ST 270	1976	105-00001
ST 270	1977	105-00330
ST 270	1978	105-00477
ST 270	1979	105-00658
ST 270	1980	105-00872
ST 270	1981	105-01000

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)

Serial No. Range By Model/Year

Model	Year	Beginning S/N
ST 280	1981	110-00001 Cu - 111-00001 Cat
ST 280	1982	110-01501 Cu - 111-01501 Cat
ST 280	1983	110-02501 Cu - 111-02501 Cat

Series III Cougar ST 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 (BSN* w/26" fan)
90-2151T1 (BSN* w/30" fan)
 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
 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)
90-2383T1 (ASN 482)

FILTER P/Ns

Engine Air (Primary): 07-1011S1 (std life BSN 291)
 07-1011 (ext. life BSN 291)
 45-252S1 (std life ASN 291)
 45-252 (ext life ASN 291)
 Engine Air (Safety):07-1010 (BSN 291)
45-253 (ASN 291)
 Cab Air: 54-304T1
 Engine Oil:28-018 (cartridge, BSN 201 unless converted)
01-2187 (spin-on, ASN 201 plus any converted)
 Luber Finer:28-028 (cartridge, BSN 531 unless converted)
 90-1158T1 (spin-on, ASN 531 plus any converted)
 Engine Fuel:28-035

Transmission/Transfer Case:18-502
 Hydraulic:18-498
 Water:28-031

Series III Cougar ST 280 (Cummins 855)

BELT P/Ns

Engine Fan:06-1580
 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/Transfer Case:18-502
 Hydraulic:18-498
 Water:28-031

Series III Cougar ST 280 (Cat 3406)

BELT P/Ns

Engine Fan:01-2059
 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/Transfer Case:18-502
 Hydraulic:18-498
 Water:28-031

Series III Panther 1976 - 1983



MK98E020

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

Model	Year	Beginning S/N
ST 320	1976	108-00001
ST 320	1977	108-00187

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.)*

Serial No. Range By Model/Year

Model	Year	Beginning S/N
ST 350	1977	139-00001
ST 350	1978	139-00011
ST 350	1979	139-00031
ST 350	1980	139-00061
ST 350	1981	139-00069

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

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

Model	Year	Beginning S/N
ST 310	1976	107-00001
ST 310	1977	107-00314
ST 310	1978	107-00463
ST 310	1979	107-00612
ST 310	1980	107-00887
ST 310	1981	107-01079
ST 310	1982	107-01501
ST 310	1983	107-02501

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

Model	Year	Beginning S/N
ST 325	1976	123-00001
ST 325	1977	123-00123
ST 325	1978	123-00370
ST 325	1979	123-00627
ST 325	1980	123-00887
ST 325	1981	123-01124
ST 325	1982	123-01501
ST 325	1983	123-02501

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, BSN 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, BSN *** unless converted)
 90-1158T1 (spin-on, ASN*** plus any converted)
 Engine Fuel: 28-035
 Transmission/Transfer Case: 18-502

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):	45-252S1 (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/Transfer Case:	18-502
Hydraulic:	18-498
Water:	28-031 (ASN 492 only)

Series III Tiger 1977 - 1982



MK98E015

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.*

Serial No. Range By Model/Year
Model: ST 450 & ST 470 Tiger III

Year	Beginning S/N
1977	130-00001 (Cu)
1978	130-00047 (Cu)
1979	130-00097 (Cu)
1980	130-00174 (Cu) 129-00007 (Cat)
1981	130-00209 (Cu) 129-00010 (Cat)
1982	130-01501 (Cu) 129-01501 (Cat)

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.

Series III Tiger ST 450 (Cat 3408)

BELT P/Ns

Engine Fan: 01-8555
Alternator: 02-1314
A/C Compressor: 01-3982

FILTER P/Ns

Engine Air (Primary): 01-3898S1 (std life)
..... 01-3898 (ext. 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)
..... 01-3898 (ext. life)
Engine Air (Safety): 01-3899
Cab Air: 54-304T1
Engine Oil: 01-2187
Luber Finer: 28-028 (cartridge, BSN 151 unless converted)
..... 90-1158T1 (spin-on, ASN 151 plus any converted)
Transmission: 01-3984
Hydraulic: 18-498
Water: 28-031

Series III Bearcat



MK98F002

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.

Serial No. Range By Model/Year

Model	Year	Beginning S/N
PT 225	1977	141-00001
PT 225	1978	141-00157
PT 225	1979	141-00336
PT 225	1980	141-00537
PT 225	1981	141-00651

Series III Bearcat

PT 225

(Cat 3306)

BELT P/Ns

Engine Fan: 06-135 (w/26" fan BSN 651)
..... 90-1502T1 (w/30" fan BSN 651 & all ASN 651)
Alternator: w/Fan
A/C Compressor: 06-1428 (w/26" fan BSN 651)
..... 90-2151T1 (w/30" fan BSN 651)
..... 01-2820 (ASN 651)

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 651 only)
Transmission/Transfer Case: 18-502
Hydraulic: 18-498
Hydraulic Tank Relief: 18-1633
Water: 28-031 (ASN 2501)
PTO: 01-4988

Series III Cougar



MK98F003

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 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

Model	Year	Beginning S/N
PT 250	1979	142-00001
PT 250	1980	142-00007

Series III Cougar



MK98E011

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

Model	Year	Beginning S/N
PT 270	1977	143-00001
PT 270	1978	143-00082
PT 270	1979	143-00154
PT 270	1980	143-00211
PT 270	1981	143-00236

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



MK98F004

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

Model	Year	Beginning S/N
PT 350	1977	140-00001
PT 350	1978	140-00023
PT 350	1979	140-00059
PT 350	1980	140-00062
PT 350	1981	140-00075

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



MK98E016

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

Model	Year	Beginning S/N
PTA 251	1980	153-00001
PTA 251	1981	153-00002

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)

Serial No. Range By Model/Year

Model	Year	Beginning S/N
PTA 270	1980	151-00001
PTA 270	1981	151-00042

Series III Cougar
1981 - 1983



MK98F005

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

Model	Year	Beginning S/N
PTA 280	1981	154-00001 Cu
PTA 280	1981	155-00001 Cat
PTA 280	1982	154-01501 Cu
PTA 280	1982	155-01501 Cat
PTA 280	1983	154-02501 Cu
PTA 280	1983	155-02501 Cat

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)
 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 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)
 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 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)
..... 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:02-2038
Transfer Case:.....18-502
Hydraulic:18-498
Hydraulic Tank Relief:18-1633

Series III Panther

1978 - 1982



MK98F006

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

Model	Year	Beginning S/N
PTA 310	1980	152-00001
PTA 310	1981	152-00070
PTA 310	1982	152-01501

MODEL PTA 325



RR00D028

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)

Serial No. Range By Model/Year

Model	Year	Beginning S/N
PTA 325	1980	150-00036
PTA 325	1981	150-00273
PTA 325	1982	150-01501

Series III Panther

1978 - 1982



MK98F003

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

Model	Year	Beginning S/N
PTA 296 & 297	1978	149-00001
PTA 296 & 297	1979	149-00004
PTA 296 & 297	1980	149-00042
PTA 296 & 297	1981	149-00079

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 Series CA or CU Model Tractors

Industrial Tractors Model CA or CU 280 (1982 - 1984)



MK98F008

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)

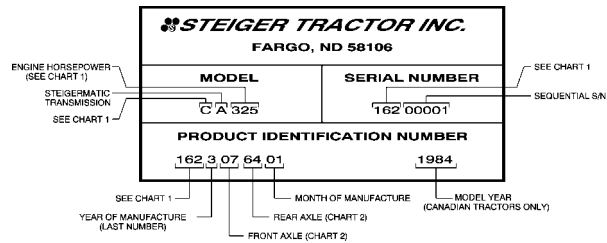
Engine Model Codes		
“CA” - Caterpillar / “CU” - Cummins		
Model	ModelCode	EngineModel
CA 280	160	3406
CU 280	161	855
CA 325	162	3406
CU 325	163	855
CA 360	164	3406
CU 360	165	855

Axle Codes		
Front	Rear	Model
07	64	S40
23	73	S40 w/Controlled Traction

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:



MA98F001

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



MK98F008

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.

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: 162 (CA 325), 163 (CU 325)

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)

MODEL CA or 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

SERIES IV CM-KM-SM

Series IV Panther



Model CM or KM 360

Series IV CM, KM & SM Tractors

Engine:

Cat 3406 DIT 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)

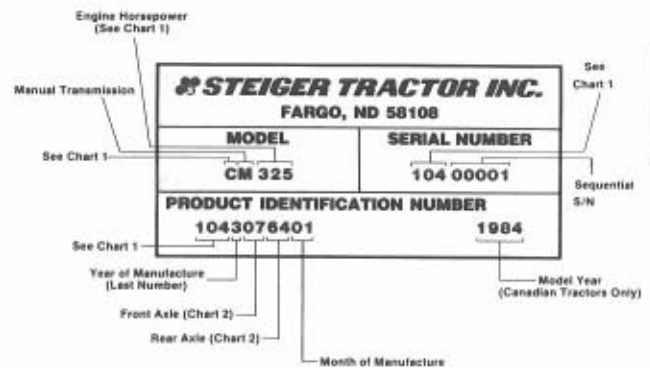
Model No: 115 (CM 360), 116 (KM 360)

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:



IV

Chart 1

Engine Model Codes		
"C" - Caterpillar		
"K" - Cummins		
"S" - Komatsu		
Model	Model Code	Engine Model
CM 250	104	3306
KM 325	107	855
CM 225	109	3306
KM 280	110	855
CM 280	111	3406
KM 225	112	10L
CM 360	115	3406
KM 360	116	855
SM 325	119	SA6D125-1
CM 325	123	3406

Chart 2

Axle Codes		
Front	Rear	Model
07	54	S40
08		S40 w/No Spin
13		598.30
	67	598.20
14		598.30 w/ No Spin
23	73	S40 w/Controlled Traction
26		598.10
	75	598.00
27		598.10 w/No Spin
29		598.70
	77	598.60
30		598.70 w/No Spin

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 00/10 double reduction outboard planetary (S/N 3960 & below) Steiger/Raba 20/30 double reduction outboard planetary (S/N 3961 & above)

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 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 Cougar Model CM 250

Engine: Cat 3306 DITA 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 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 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 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
CM 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/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: 18-498
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

SERIES IV CS-KS

Series IV Cougar



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:

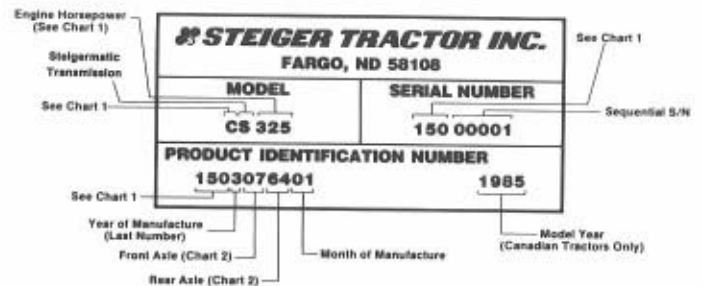


Chart 1

Engine Model Codes		
"C" - Caterpillar "K" - Cummins		
Model	Model Code	Engine Model
CS 325	150	3406
KS 325	152	855
KS 280	154	855
CS 280	155	3406
CS 360	156	3406
KS 360	157	855

Chart 2

Axle Codes		
Front	Rear	Model
07	64	S40
08		S40 w/No Spin
13		598.30
	67	598.20
14		598.30 w/ No Spin
23	73	S40 w/Controlled Traction
29		598.70
	77	598.60
30		598.70 w/No Spin

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



Model CS or KS 325

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 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: 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.

Model CS or KS 360

Engine:

Cat 3406 DITA in-line 6 cyl (CS 360)

Cummins NT-855-A360 in-line 6 cyl (KS 360)

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: 156 (CS 360), 157 (KS 360)

**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 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 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
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

SERIES IV KP

Series IV Tiger



Model KP 525

Series IV KP 525 Tractors

Engine: Cummins KTA 1150-A525 in-line 6 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 gearing, sliding collar shifting and tapered roller bearings, pressure lubricated and oil cooled.

Transmission: Allison CLT 5961 6-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.

Example:

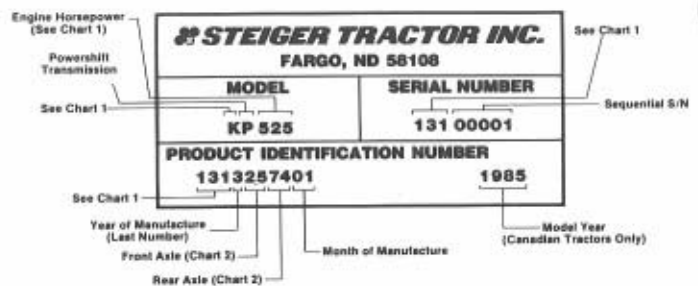


Chart 1

Engine Model Codes		
"K" - Cummins		
Model	Model Code	Engine Model
KP 525	131	KTA 1150

Chart 2

Axle Codes		
Front	Rear	Model
24	74	R594.30
25		R594.30 w/No-Spin
		R594.20

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: 18-498

Water: 28-031

PANTHER 1000 SERIES

Panther 1000 Series



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)

Example:



Chart 1

Engine Model Codes		
"C" - Caterpillar "K" - Cummins		
Model	Model Code	Engine Model
CP 1325	P03	3406
KP 1325	P04	855
CP 1360	P07	3406
KP 1360	P08	855
CP 1400	P09	3406
KP 1400	P10	855

Chart 2

Axle Codes		
Front	Rear	Model
07	64	S40
08		S40 w/No-Spin
15		R594.10
16		R594.00
29	68	R594.00
30		R596.70
		R596.70 w/No-Spin
	77	R596.60

Beginning S/N By Model/Year

Model: CP or KP 1325 Panther 1000 Series

Year **Beginning S/N**

1982 P03-00501 (CP 1325) P04-00501 (KP 1325)

1983 P03-02501 (CP 1325) P04-02501 (KP 1325)

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.

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

P
1000

Panther 1000 Series



Model CP or KP 1360

Model CP or KP 1400

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)

Engine:

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

Axle: Steiger/Raba K594 00/10 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

Year	Beginning S/N
1982	P07-00501 (CP 1360) P08-00501 (KP 1360)
1983	P07-02501 (CP 1360) P08-02501 (KP 1360)

Beginning S/N By Model/Year

Model: CP or KP 1400 Panther 1000 Series

Year	Beginning S/N
1982	P09-00501 (CP 1400) P10-00501 (KP 1400)
1983	P09-02501 (CP 1400) P10-02501 (KP 1400)

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

COUGAR 1000 SERIES

Cougar 1000 Series



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:



Chart 1

Engine Model Codes		
"C" - Caterpillar		
"K" - Cummins		
Model	Model Code	Engine Model
CR 1225	C01	3306
KR 1225	C02	10L
CR 1280	C03	3306
KR 1280	C04	10L
CR 1225	C05	3306
KR 1225	C06	10L
CR 1280	C07	3306
KR 1280	C08	10L

Chart 2

Axle Codes		
Front	Rear	Model
31		598.74
32	78	598.64
33		598.74 (w/No Spin)
34	79	225 Adj Bar
35		225 Adj Bar w/Diff Lock
36	80	280 Adj Bar
		280 Adj Bar w/Diff Lock

C
1000

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 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)

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.

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

**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: C258879
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: 90-3908T1
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: C258879
Hydraulic: 50-2689T1
Hydraulic Tank Relief: 18-1633
Water: 28-031

Diff Lock (option): 18-502