SPICER®

5000 Series

AUXILIARY TRANSMISSIONS

Transmission Parts List T210-11
November, 1969

5831

AUXILIARY TRANSMISSION

SUPERSEDES
T210-11 DATED NOVEMBER, 1960

Wt. 155 lbs

This illustrated parts list includes all serviceable Assemblies, Sub-Assemblies, Kits, and Parts used in these auxiliary transmissions.
Order By Part Number in Part Number Column. Do Not Order By Group Number.
A complete TRANSMISSION consists of one each of the following groups:
GEARS & RELATED PARTS • CASE, BEARING CAPS & RELATED PARTS • OPTIONAL CONTROLS

COMPONENTS

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ACCESSORIES — Order Separately

Front Trunnion 32-410-1
Auxiliary Control — Shifter Lever Assemblies
For Cross Member Mounting 300136-7
For Cross Member Mounting 300699-1

5831 Three Speed Auxiliary Transmission	Catalog Group No.	53-A1	53-F1	53-F2	53-C1	53-C2	53-C3
	Application	General Use	Ford	Ford	Chevrolet	Chevrolet	Chevrolet
	Drawing	300018	300010	300190	300289	300223	300380

Item	Part Name	Components of Complete Transmission					
	GEARS & RELATED PARTS						
	Gear & Ratio Table — Gear Group No.	Refer to Tabulated B/M's pages 10 & 11					
A-1	GEAR, main drive — 10T-27T/23T						
	For Ratios 5831, 5831-A, B, C, D, E, F & G						
	For General Use	55-35-65	—	—	55-35-65	55-35-65	55-35-65
	For Ford	—	55-35-72	55-35-72	—	—	—
A-2	NUT, drive gear	332-J	500729	500729	332-J	332-J	332-J
A-4	FLANGE or YOKE, front u-joint	v.p.	fbv	fbv	4-1-3321	4-1-3321	4-1-3321
S-1	SHAFT, main						
	For General Use	55-362-21	—	—	55-362-21	55-362-21	55-362-21
	For Ford	—	55-362-23	55-362-23	—	—	—
B-10	GEAR, speedometer drive	v.p.	v.p.	v.p.	55-452-6	55-452-6	55-452-7
B-11	FLANGE or YOKE, rear u-joint	v.p.	fbv	fbv	4-1-3321	5-1-4331	4-1-4021
B-13	NUT, main shaft	332-J	500729	500729	332-J	332-J	332-J
	CASES, BEARING CAPS & RELATED PARTS						
	Case Group No. — For General Use	5303	—	—	5305	—	—
	Case Group No. — For Bendix Brake	—	—	—	—	5307	—
	Case Group No. — For Ford	—	—	5306	—	—	—
	Case Group No. — For 10½" x 3" Band Brake	—	—	—	—	—	5303-1▲
F-1	CAP, front bearing	55-19-55	55-19-55	55-19-55	55-19-55	55-19-55	55-19-55
G-1	**CASE SUB-ASSY., transmission (Name Plate NP-1)**	**310173X**	**310173X**	**311255X**	**310173X**	**310173X**	**311675X**
H-1A	CAP, BUSHING & SEAL SUB-ASSY., m.s. rear bearing						
	For General Use — (32-463-4 & 6972X)	312488X	—	fbv	312488X	—	—
	For Bendix Brake	—	—	—	—	—	—
	For 10½" x 3" Band Brake	—	—	—	—	—	312524X
H-1	CAP & BUSHING SUB-ASSY., m.s. rear bearing						
	With Bushing 60-475-1 & Cap 55-19-38	6972X	fbv	fbv	6972X	—	—
	With Bushing 60-475-1 & Cap 55-19-59	—	—	—	—	311001X	—
	With Bushing 60-475-1 & Cap 55-19-61	—	—	—	—	—	311674X
H-21	GEAR, speedometer driven	v.p.	—	—	—	—	55-453-10
H-21	PLUG, speedometer outlet hole	v.p.	—	—	55-334-1	55-334-1	—
H-22	SLEEVE, speedometer driven gear	v.p.	—	—	v.p.	—	—
H-23	CAP, speedometer driven gear sleeve dust	v.p.	—	—	v.p.	—	44-539-1
H-26	EXTENSION, speedometer outlet	—	—	—	—	—	44-473-1
BB-1	BRAKE ASSY., band 10½" x 3"	None	None	None	None	—	312940X
BB-1	BRAKE ASSY., Bendix	None	None	None	None	310999	—
	SHIFTER HOUSING PARTS — Two Rod Control						
R-1	HOUSING ASSEMBLY, shifter						
	For Auxiliary Shift Lever 300136-7 or 300699-1	310174X	—	310174X	310174X	310174X	310174X

▲Case Group 5303-1 same as 5303 except use 311675X instead of 310173X, item G-1 and use 55-223-23 instead of 55-223-22, item H-3, for 10½" x 3" Band Brake used by Chevrolet.

v.p.—VARIABLE PART—See Tabulations pages 10 & 11 fbv—Furnished by VEHICLE MANUFACTURER.

B/M . . . 300018

300018-7 5831

Same as Catalog Group 53-A1 except:

ADD Item	ADD Part No.	OMIT Item	OMIT Part No.
A-3	565-W	—	—
B-10	44-452-1	B-10	55-37-15
H-21	55-334-1	—	—

Less Companion Flanges

Used by: INTERNATIONAL

In Production: 1954-69

300018-9 5831

Same as Catalog Group 53-A1 except:

ADD Item	ADD Part No.	OMIT Item	OMIT Part No.
A-5	565-W	—	—
B-12	565-W	—	—
H-21	55-334-1	—	—

Less Companion Flanges

Used by: GENERAL USE

In Production: 1954-69

300018-10 5831-B

Same as Catalog Group 53-A1 except:

ADD Item	ADD Part No.	OMIT Item	OMIT Part No.
A-5	565-W	—	—
B-10	44-452-1	B-10	55-37-15
H-21	55-334-1	—	—

Less Companion Flanges

Used by: INTERNATIONAL

In Production: 1954-69

300018-11 5831-B

Same as Catalog Group 53-A1 except:

ADD Item	ADD Part No.	OMIT Item	OMIT Part No.
B-10	44-452-2	B-10	55-37-15
B-11	5-1-3651	—	—
G-1	310364X	G-1	310173X
H-21	44-453-2	—	—
H-22	55-454-3	—	—
H-23	44-539-1	—	—

With Rear Companion Flange for Tru-Stop Brake

Used by: GMC

In Production: 1954-69

300018-13 5831-A

Same as Catalog Group 53-A1 except:

ADD Item	ADD Part No.	OMIT Item	OMIT Part No.
A-5	565-W	—	—
B-12	565-W	—	—
H-21	55-334-1	—	—

Less Companion Flanges

Used by: GENERAL USE

In Production: 1954-69

300018-14 5831-B

Same as Catalog Group 53-A1 except:

ADD Item	ADD Part No.	OMIT Item	OMIT Part No.
A-5	565-W	—	—
B-12	565-W	—	—
H-21	55-334-1	—	—

Less Companion Flanges

Used by: GENERAL USE

In Production: 1954-69

300018-15 5831-C

Same as Catalog Group 53-A1 except:

ADD Item	ADD Part No.	OMIT Item	OMIT Part No.
A-5	565-W	—	—
B-12	565-W	—	—
H-21	55-334-1	—	—

Less Companion Flanges

Used by: GENERAL USE

In Production: 1954-69

300018-18 5831-B

Same as Catalog Group 53-A1 except:

ADD Item	ADD Part No.	OMIT Item	OMIT Part No.
A-5	565-W	—	—
—	—	B-5	55-8-84
B-12	565-W	—	—
H-21	55-334-1	—	—
R-1	310493X	R-1	310174X

With Overdrive Locked-Out

Used by: GENERAL USE

In Production: 1955-69

B/M . . . 300018

300018-25 5831-D

ADD Item	ADD Part No.	OMIT Item	OMIT Part No.
Same as Catalog Group 53-A1 except:			
A-5	565-W	—	—
B-12	565-W	—	—
H-21	55-334-1	—	—

Less Companion Flanges

Used by: GENERAL USE

In Production: 1958-69

300018-26 5831-E

ADD Item	ADD Part No.	OMIT Item	OMIT Part No.
Same as Catalog Group 53-A1 except:			
A-5	565-W	—	—
B-12	565-W	—	—
H-21	55-334-1	—	—

Less Companion Flanges

Used by: GENERAL USE

In Production: 1958-69

300018-27 5831-D

ADD Item	ADD Part No.	OMIT Item	OMIT Part No.
Same as Catalog Group 53-A1 except:			
A-5	565-W	—	—
B-10	44-452-1	B-10	55-37-15
H-21	55-334-1	—	—

Less Companion Flanges

Used by: INTERNATIONAL

In Production: 1958-69

300018-35 5831-F

ADD Item	ADD Part No.	OMIT Item	OMIT Part No.
Same as Catalog Group 53-A1 except:			
A-5	565-W	—	—
B-12	565-W	—	—
H-21	55-334-1	—	—

Less Companion Flanges

Used by: GENERAL USE

In Production: 1960-69

300018-37 5831-F

ADD Item	ADD Part No.	OMIT Item	OMIT Part No.
Same as Catalog Group 53-A1 except:			
A-5	565-W	—	—
B-10	44-452-1	B-10	55-37-15
H-21	55-334-1	—	—

Less Companion Flanges

Used by: INTERNATIONAL

In Production: 1961-69

300018-39 5831-F

ADD Item	ADD Part No.	OMIT Item	OMIT Part No.
Same as Catalog Group 53-A1 except:			
B-10	44-452-2	B-10	55-37-15
B-11	5-1-3651	—	—
G-1	310364X	G-1	310173X
H-21	44-453-2	—	—
H-22	55-454-3	—	—
H-23	44-539-1	—	—

With Rear Companion Flange for Tru-Stop Brake

Used by: GMC

In Production: 1963-69

B/M . . . 300115

300115-1 5831-B

ADD Item	ADD Part No.	OMIT Item	OMIT Part No.
Same as Catalog Group 53-A1 except:			
A-4	4-1-3321	—	—
B-10	55-452-6	B-10	55-37-15
H-21	55-334-1	—	—
Trunnion	32-410-1	—	—

With Front Companion Flange

Used by: DODGE

In Production: 1955-68

B/M . . . 300151

300151-3 5831-F

ADD Item	ADD Part No.	OMIT Item	OMIT Part No.
Same as Catalog Group 53-A1 except:			
B-10	55-452-6	B-10	55-37-15
H-21	55-334-1	—	—

Less Shifter Housing & Companion Flanges

Used by: DODGE

In Production: 1965-69

B/M . . . 300190

300190-2 5831-C

Same as Catalog Group 53-F2

Rear Bearing Cap & End Fittings furnished by Ford

Used by: FORD

In Production: 1958-69

300190-3 5831-D

Same as Catalog Group 53-F2

Rear Bearing Cap & End Fittings furnished by Ford

Used by: FORD

In Production: 1959-69

B/M . . . 300191

300191-2 5831-C

ADD Item	ADD Part No.	OMIT Item	OMIT Part No.
Same as Catalog Group 53-F2 except:			
—	—	R-1	310174X

Less Shifter Housing

Rear Bearing Cap & End Fittings furnished by Ford

Used by: FORD

In Production: 1958-69

B/M . . . 300223

300223-3 5831-D

Same as Catalog Group 53-C2

With Bendix Brake

Used by: CHEVROLET

In Production: 1960-65

B/M . . . 300289

300289-1 5831-G

Same as Catalog Group 53-C1

With Companion Flanges

Used by: CHEVROLET

In Production: 1960

B/M . . . 300380

300380-1 5831-G

ADD Item	ADD Part No.	OMIT Item	OMIT Part No.
Same as Catalog Group 53-C3 except:			
Trunnion	55-410-1	—	—

With 10½" x 3" Band Brake and with Front Flange 4-1-3321 (4-1-3331X) Rear Flange 4-1-4021 (4-1-4031X)

311559X Brake Assy. superseded by 312940X

Used by: CHEVROLET

In Production: 1962-69

300380-2 5831-G

ADD Item	ADD Part No.	OMIT Item	OMIT Part No.
Same as Catalog Group 53-C3 except:			
—	—	A-4	4-1-3321

With 10½" x 3" Band Brake and with Rear Flange 4-1-4021 (4-1-4031X)

Used by: CHEVROLET

In Production: 1963-69

300380-3 5831-G

ADD Item	ADD Part No.	OMIT Item	OMIT Part No.
Same as Catalog Group 53-C3 except:			
—	—	A-4	4-1-3321
—	—	BB-1	312940X

Without 10½" x 3" Band Brake with Rear Flange 4-1-4021 (4-1-4031X)

Used by: CHEVROLET

In Production: 1964-69

300380-4 5831

ADD Item	ADD Part No.	OMIT Item	OMIT Part No.
Same as Catalog Group 53-C3 except:			
—	—	A-4	4-1-3321
—	35B-9	—	—
—	500014-16	—	—
—	500023-2	—	—

With 10½" x 3" Band Brake and Rear Flange 4-1-4021 (4-1-4031X)

312457X Brake Assy. superseded by 312940X

Used by: GMC

In Production: 1966

B/M . . . 300706

300706-1 5831

ADD Item	ADD Part No.	OMIT Item	OMIT Part No.
Same as Catalog Group 53-A1 except:			
B-10	46-452-8	B-10	55-37-15
H-21	46-453-8	—	—
H-22	55-454-1	—	—
H-23	44-539-1	—	—

Less Companion Flanges

Used by: GENERAL USE

In Production: 1968

B/M . . . 300708

300708-1 5831-B

ADD Item	ADD Part No.	OMIT Item	OMIT Part No.
Same as Catalog Group 53-A1 except:			
A-4	3-4-2821	—	—
B-11	4-1-3321	—	—
H-21	55-334-1	—	—
Trunnion	32-410-1	—	—

With End Yoke & Companion Flange

Used by: F.A.B. Manufacturing

In Production: 1966-68

B/M . . . 300712

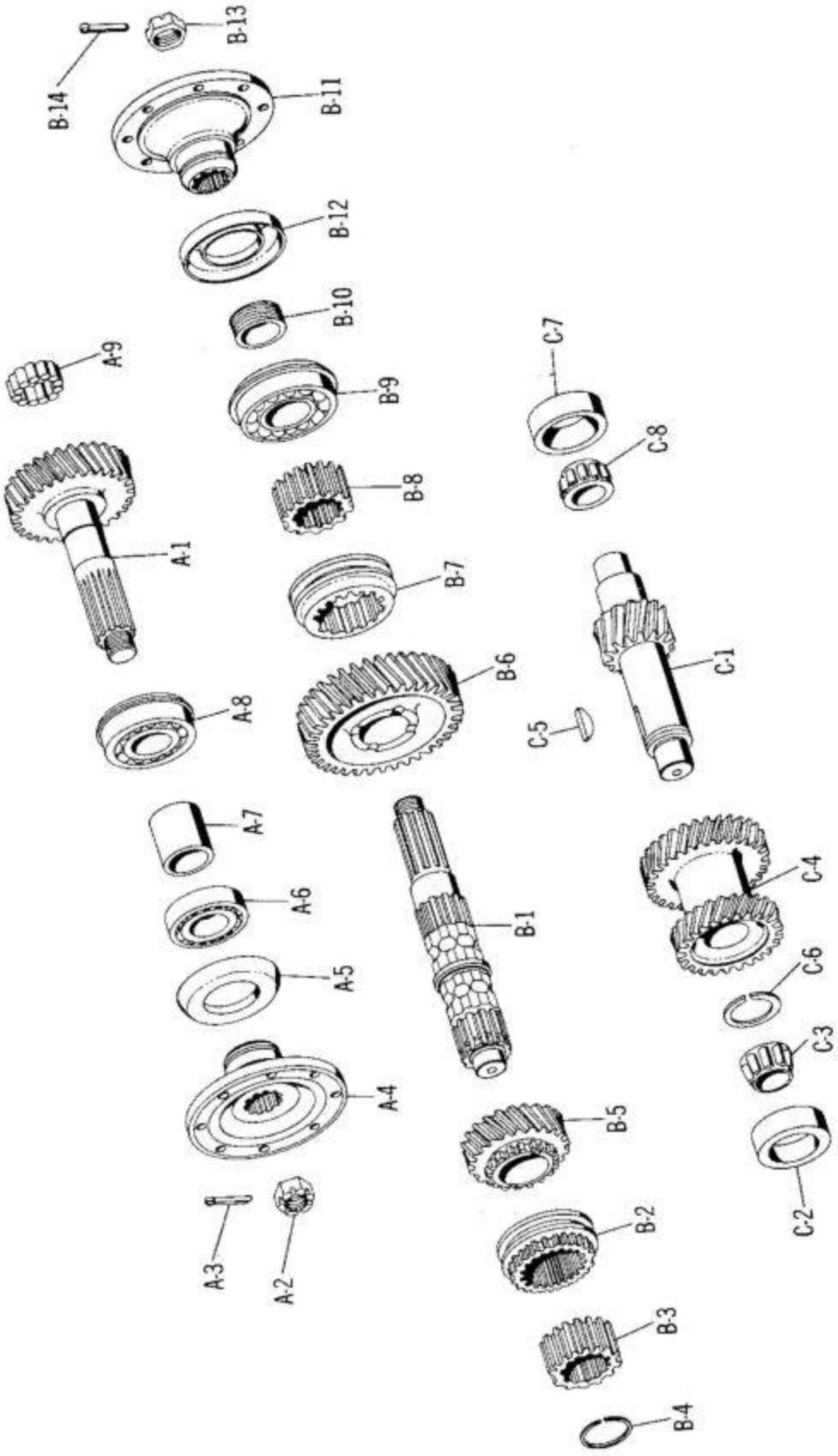
300712-1 5831-F

ADD Item	ADD Part No.	OMIT Item	OMIT Part No.
Same as Catalog Group 53-A1 except:			
B-10	44-452-1	B-10	55-37-15
H-21	46-453-3	—	—
H-22	55-454-1	—	—
H-23	44-539-1	—	—

Less Companion Flanges

Used by: GENERAL USE

In Production: 1966



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GEARS & RELATED PARTS GROUP
Items A-1 thru C-13

Order By Part Number In Part Number Column. Do Not Order By Group Number.

RATIOS

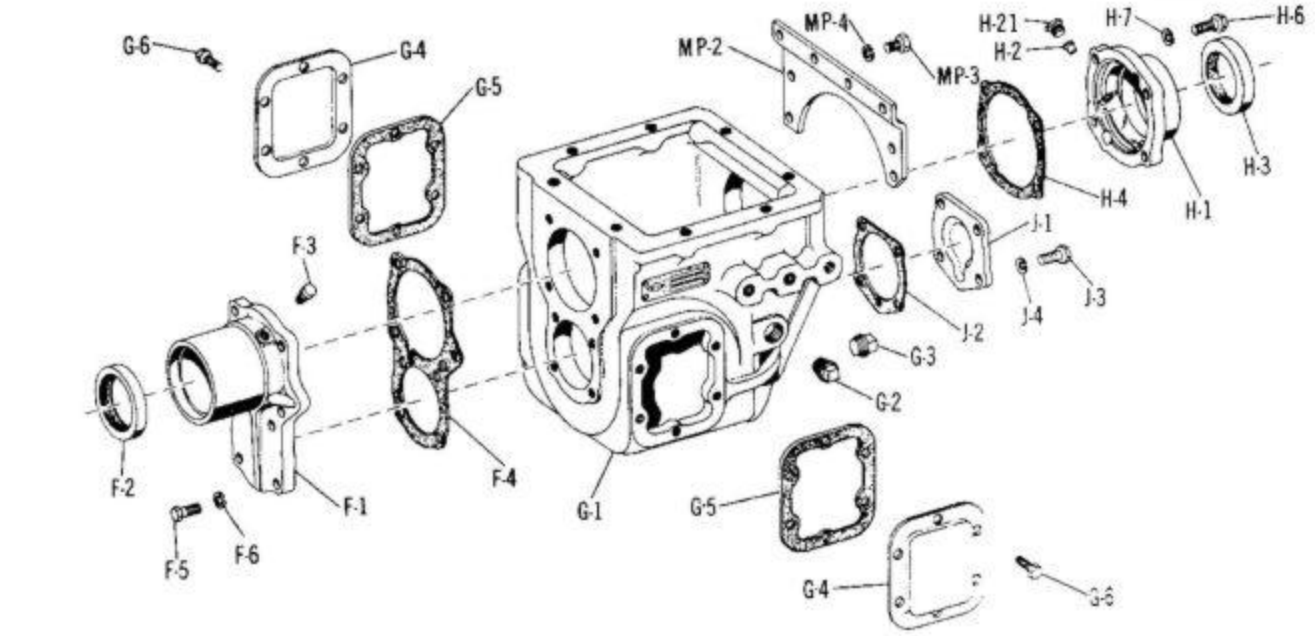
Gear Group No.➔	5831	5831 A	5831 B	5831 C	5831 D	5831 E	5831 F
FIRST....Underdrive	2.00	1.54	2.35	1.27	2.00	1.27	2.00
SECOND.Underdrive	—	—	—	—	—	—	1.27
SECOND.....Direct	1.00	1.00	1.00	1.00	1.00	1.00	—
THIRD.....Direct	—	—	—	—	—	—	1.00
THIRD....Overdrive	.73	.73	.85	.85	.85	.73	—

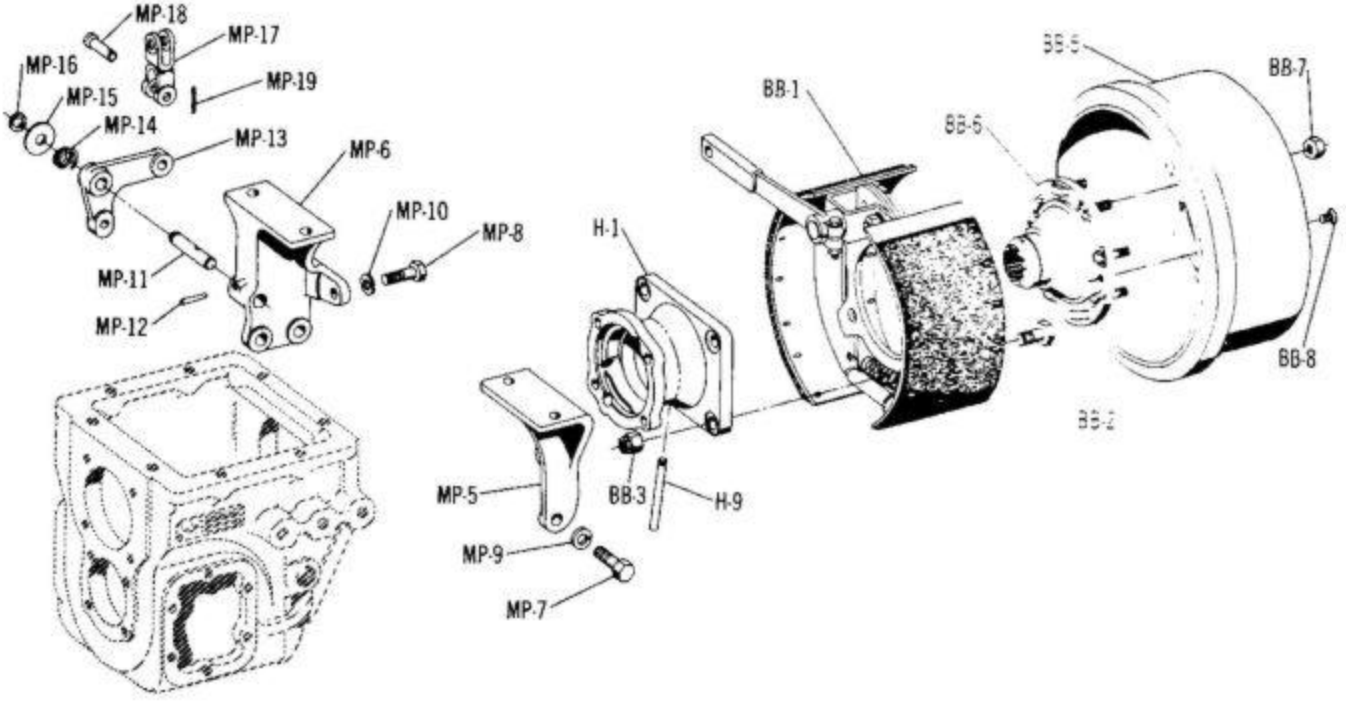
Item	Part Name	Part Number	Quantity Per Transmission						
	Drive Gear Group								
A-1	GEAR, main drive.....(8.343" Long) 10T-27T/23T For General Use — except Ford	55-35-65	1	1	1	1	1	1	1
A-2	NUT, drive gear	332-J	1	1	1	1	1	1	1
A-3	PIN, drive gear nut cotter.....(⅛" x 2")	500024-13	1	1	1	1	1	1	1
A-4	FLANGE, front companion	See Flange Table	1	1	1	1	1	1	1
A-5	FLINGER, companion flange dirt	565-W	1	1	1	1	1	1	1
A-6	BEARING, drive gear front.....(Single Row Ball)	550311	1	1	1	1	1	1	1
A-7	SPACER, drive gear bearing...(2 1/16" x 1.787" I.D.)	55-37-31	1	1	1	1	1	1	1
A-8	BEARING, drive gear rear.....(Single Row Ball)	550055	1	1	1	1	1	1	1
A-9	KIT, drive gear pocket roller bearing	310426X	1	1	1	1	1	1	1
	Main Shaft Group								
B-1	SHAFT, auxiliary main (12.594" Long) 13T-13T-10T For General Use — except Ford	55-362-21	1	1	1	1	1	1	1
B-2	COLLAR, m.s. 2nd & 3rd speed clutch gear 23T/18T	55-465-12	1	1	1	1	1	1	1
B-3	GEAR, m.s. 2nd & 3rd speed clutch.....18T/13T	55-466-14	1	1	1	1	1	1	1
B-4	RING, clutch gear snap	55-381-11	1	1	1	1	1	1	1
B-5	GEAR, m.s. 3rd speed overdrive.....18T-23T	55-8-83	1	1	—	—	—	1	—
"	" " " " " " 18T-25T	55-8-84	—	—	1	1	1	—	—
B-5	GEAR, m.s. 2nd speed underdrive.....18T-30T	55-8-92	—	—	—	—	—	—	1
B-6	GEAR, m.s. 1st speed underdrive.....30T-18T	55-8-85	—	—	—	1	—	1	—
"	" " " " " " 33T-18T	55-8-86	—	1	—	—	—	—	—
"	" " " " " " 36T-18T	55-8-87	1	—	—	—	1	—	1
"	" " " " " " 37T-18T	55-8-91	—	—	1	—	—	—	—
B-7	COLLAR, m.s. 1st speed clutch gear.....18T	55-465-13	1	1	1	1	1	1	1
B-8	GEAR, m.s. 1st speed clutch.....18T/13T	55-466-14	1	1	1	1	1	1	1
B-9	BEARING, m.s. rear.....(Single Row Ball)	550028	1	1	1	1	1	1	1
B-10	GEAR, speedometer drive	v.p.	1	1	1	1	1	1	1
B-10	SPACER, speedometer drive.....(¾" x 1.827" I.D.)	55-37-15 ⑲	1	1	1	1	1	1	1
B-11	FLANGE, companion	See Flange Table	1	1	1	1	1	1	1
B-12	FLINGER, companion flange dirt	565-W	1	1	1	1	1	1	1
B-13	NUT, main shaft flange	332-J	1	1	1	1	1	1	1
B-14	PIN, m.s. flange nut cotter.....(⅛" x 2")	500024-13	1	1	1	1	1	1	1
	Counter Shaft Group								
C-1	SHAFT, counter.....16T	55-30-39	1	—	—	—	1	—	1
"	" " 21T	55-30-41	—	—	—	1	—	1	—
"	" " 19T	55-30-43	—	1	—	—	—	—	—
"	" " 14T	55-30-44	—	—	1	—	—	—	—
C-2	CUP, c.s. front roller bearing	550215	1	1	1	1	1	1	1
C-3	CONE, c.s. front roller bearing	550165	1	1	1	1	1	1	1
C-4	GEAR, c.s. drive & 3rd speed overdrive....24T-28T	55-1-28	1	1	—	—	—	1	—
"	" " " " " " " " 24T-26T	55-1-29	—	—	1	1	1	—	—
C-4	GEAR, c.s. drive & 2nd speed underdrive..24T-21T	55-1-31	—	—	—	—	—	—	1
C-5	KEY, c.s. drive gear.....(Woodruff #29)	500010-8	1	1	1	1	1	1	1
C-6	RING, c.s. drive gear snap	46-381-2	1	1	1	1	1	1	1
C-7	CUP, c.s. rear roller bearing	550215	1	1	1	1	1	1	1
C-8	CONE, c.s. rear roller bearing	550165	1	1	1	1	1	1	1
	For Ford Trucks Only—With Special 10 Spline Drive Gear & Main Shaft								
A-1	GEAR, main drive.....(8.594" Long) 10T-27T/23T	55-35-72	—	—	—	—	—	—	—
A-2	NUT, drive gear flange—self locking	500729	—	—	—	—	—	—	—
B-1	SHAFT, main.....(12.875" Long) 13T-13T-10T	55-362-23	—	—	—	—	—	—	—
B-13	NUT, main shaft flange—self locking	500729	—	—	—	—	—	—	—

Ratio 5831-G same as 5831-F ratio except use

Item B-5 55-8-94 (18T-25T) instead of 55-8-92
Item C-4 55-1-33 (24T-17T) instead of 55-1-31

⑲—Not Required when Speedometer Drive Gear is used.
v.p.—VARIABLE PART, see Numerical List.





CASE, BEARING CAPS & RELATED PARTS GROUP Items F-1 thru BB-8	Group No.➤	5303	5304	5305	5306	5307
	APPLICATION	General Use	Ford	Chevrolet	Ford	Chevrolet
	DRAWING	300018	300010	300289	300190	300223
Item / Part Name	Part Number	Quantity Per Transmission				
Front Bearing Cap & Parts						
F-1 CAP, drive gear front bearing	55-19-55	1	1	1	1	1
F-2 SEAL, front bearing cap oil	32-463-4	1	1	1	—	1
F-3 VENT SUB-ASSY., trans	3144X	1	1	1	1	1
F-4 GASKET, front bearing cap	55-223-21	1	1	1	1	1
F-5 SCREW, bearing cap (7/16"-14 x 1 3/8")	500399-13	8	8	8	8	8
F-6 WASHER, screw lock (7/16")	500357-12	8	8	8	8	8

CASE, BEARING CAPS & RELATED PARTS
Basic Model . . . 5831

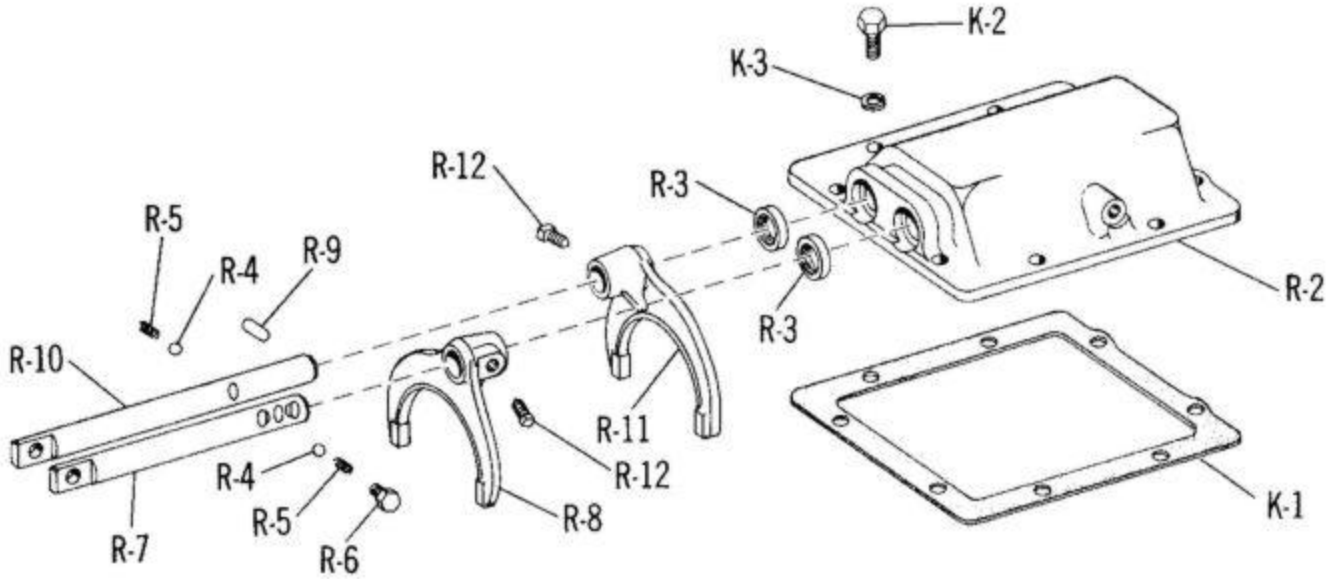
CASE, BEARING CAPS & RELATED PARTS GROUP Items F-1 thru BB-8		Group No.→	5303	5304	5305	5306	5307
		APPLICATION	General Use	Ford	Chevrolet	Ford	Chevrolet
		DRAWING	300018	300010	300289	300190	300223
Item	Part Name	Part Number	Quantity Per Transmission				
	Case & Parts						
G-1	CASE & PLUG SUB-ASSY., trans.						
	For General Use.....(NP-1 & 55-15-58)	310173X (a)	1	1	1	—	1
	For Ford Only.....(NP-1 & 55-15-61)	311255X	—	—	—	1	—
	(Includes Items G-2 & G-3)						
G-2	PLUG, oil filler.....(¾" x 14 Thread)	500091	1	1	1	1	1
G-3	PLUG, oil drain.....(¾" x 14 Thread)	62-39-3	1	1	1	1	1
G-4	COVER, p.t.o. aperture.....	50-267-2	2	2	2	2	2
G-5	GASKET, p.t.o. aperture cover.....	46-324-1	2	2	2	2	2
G-6	SCREW, aperture cover.....(⅜"-16 x ¾")	501182	12	12	12	12	12
	Main Shaft Rear Bearing Cap & Parts						
H-1	CAP SUB-ASSY., m.s. rear bearing						
	For General Use.....(60-475-1 & 55-19-38)	6972X	1	(b)	1	(b)	—
H-1	CAP SUB-ASSY., m.s. rear bearing						
	For Bendix Brake.....(60-475-1 & 55-19-59)	311001X	—	—	—	—	1
H-2	BUSHING, speedometer.....	60-475-1	1	—	1	—	1
H-3	SEAL, bearing cap oil.....	32-463-4	1	(b)	1	(b)	1
H-4	GASKET, rear bearing cap.....	55-223-22	1	(b)	1	(b)	1
H-6	SCREW, m.s. rear bearing cap.....(7/16"-14 x 1⅜")	500399-13	3	3	3	—	2
"	" " " " " .....(7/16"-14 x 2⅛")	500399-19	1	—	1	—	—
H-6	STUD, m.s. rear bearing cap.....	356-V	—	—	—	—	2
H-7	WASHER, screw lock.....(7/16")	500357-12	4	—	4	—	4
H-8	NUT, m.s. rear bearing cap stud.....	500371-4	—	—	—	—	2
H-9	PIPE, m.s. rear bearing drain.....	55-420-1	—	—	—	—	1
	Optional Speedometer Parts						
H-21	GEAR, speedometer driven.....	v.p.	1	—	1	—	1
H-21	PLUG, speedometer gear outlet hole.....	55-334-1 ⑲	1	—	1	—	1
H-22	SLEEVE, speedometer driven gear.....	v.p.	1	—	1	—	1
H-23	CAP, speedometer driven gear sleeve dust.....	44-539-1 (p)	1	—	1	—	1
	Counter Shaft Rear Bearing Cap						
J-1	CAP, counter shaft rear bearing.....	60-22-28	1	1	1	1	1
J-2	SHIM, c.s. rear bearing cap.....003"	60-228-10	3	3	3	3	3
"	" " " " " .....010"	60-228-11	2	2	2	2	2
"	" " " " " .....030"	60-228-12	1	1	1	1	1
J-3	SCREW, c.s. bearing cap.....(7/16"-14 x 1¼")	500399-12	4	4	4	4	4
J-4	WASHER, cap screw lock.....(7/16")	330547	4	4	4	4	4
	Shifter Housing Attaching Parts						
K-1	GASKET, shifter housing to trans. case.....	55-155-14	1	1	1	1	1
K-10	HOOK, lift.....	330564-2	2	2	2	2	2
	Brake Assembly & Mounting Parts						
MP-1	BRACKET SUB-ASSY., rear cross member mounting.....	310410X	—	—	—	—	—
MP-2	BRACKET, rear cross member mounting.....	55-215-1	—	—	—	—	—
MP-3	SCREW, mounting bracket.....(7/16"-14 x 1⅛")	330263-1	—	—	—	—	—
MP-4	WASHER, screw lock.....(7/16")	500357-12	—	—	—	—	—
MP-5	BRACKET, rear cross member mounting, L.H.....	55-411-1	—	—	1	—	1
MP-6	" " " " " R. H....	55-411-3	—	—	1	—	1
MP-7	SCREW, mounting bracket, side....(⅜"-12 x 1⅜")	500401-13	—	—	3	—	3
MP-8	" " " , rear.....(7/16"-14 x 1¼")	500399-12	—	—	2	—	2
MP-9	WASHER, screw lock, side.....(⅜")	500357-14	—	—	3	—	3
MP-10	" " " , rear.....(7/16")	500357-12	—	—	2	—	2
MP-11	SHAFT, brake bell crank.....	144Q-73	—	—	—	—	1
MP-12	PIN, brake bell crank shaft lock.....	330216-2	—	—	—	—	1
MP-13	CRANK, brake bell.....	32B-10	—	—	—	—	1
MP-14	SPRING, brake bell crank.....	34B-26	—	—	—	—	1
MP-15	WASHER, lock clip.....	500365-43	—	—	—	—	1
MP-16	CLIP, lock.....	45B-3	—	—	—	—	1
MP-17	LINK, brake bell crank.....	35B-15	—	—	—	—	1
MP-18	PIN, clevis.....	500016-23	—	—	—	—	2
MP-19	PIN, cotter.....(⅛" x ⅞")	500024-4	—	—	—	—	2
BB-1	BRAKE ASSEMBLY.....(Bendix #310035)	310999	—	—	—	—	1
BB-2	BOLT, brake mounting.....	500414-9	—	—	—	—	4
BB-3	NUT, brake mounting.....	500621-1	—	—	—	—	4
BB-4	DRUM & FLANGE ASSEMBLY.....	311000X	—	—	—	—	1
	(Includes Items BB-5 thru BB-8)						
BB-5	DRUM, brake.....(Bendix #310036)	330433	—	—	—	—	1
BB-6	FLANGE, brake drum companion.....	5-1-4341X	—	—	—	—	1
BB-7	NUT, brake drum mounting.....	500371-3	—	—	—	—	8
BB-8	SCREW, brake drum & flange.....	500469-9	—	—	—	—	2

[a] 310364X Case Sub-Assy. for G.M.C. same as 310173X except with NP-2 Name Plate.
[b] Rear Bearing Cap, Seal and Gasket furnished by Ford.
⑲ Not required when Speedometer Driven Gear is used.
[p] Optional Dust Cap. For use with 55-454-1 or 55-454-3 only.

SHIFTER HOUSING PARTS GROUP

Item R-1
Shifter Housing Assembly Item R-1 (Includes Items Indicated R-2 thru R-14)

Item	Part Name	Part Number	Part No. 310174X General Use	Part No. 310493X Overdrive Gear Locked Out
		DRAWING	300018	300018
R-2	HOUSING, shifter	55-16-45	1	1
R-3	SEAL, shift rod oil	28P-19	2	2
R-4	BALL, shift rod poppet	50-80-1	2	2
R-5	SPRING, poppet	44-72-4	2	2
R-6	RETAINER, poppet ball hole	854-D	1	1
R-7	ROD, 2nd & 3rd speed shift	55-67-31	1	1
R-8	FORK, 2nd & 3rd speed shift	55-66-13	1	1
R-9	LOCK, shift rod inter	55-12-7	1	1
R-10	ROD, 1st speed underdrive	55-67-30	1	1
R-11	FORK, 1st speed underdrive shift	55-66-13	1	1
R-12	SCREW, shift fork set (3/8"-24 x 2 3/32")	745-D	2	2
R-13	WIRE, shift fork screw lock	LW-1	AR	AR
R-14	SLEEVE, 3rd speed overdrive lockout	60-203-9	—	1
K-1	GASKET, shifter housing to trans. case	55-155-14	1	1
K-2	SCREW, housing to case (7/16"-14 x 1 1/4")	500339-12	8	8
K-3	WASHER, screw lock (7/16")	500357-12	8	8



LEGEND—ABBREVIATIONS AND DIMENSIONS USED IN PARTS LIST

Transmission Gears and Shafts are stamped with the detail Part Number for identification. Transmission Model is stamped on Name Plate on Transmission Case. In the Parts List, dimensions are shown for Screws, Studs, Washers, etc. For Gear Teeth designation, see table below.

T Teeth — External Gear Teeth separated by hyphen (—). External & Internal (Clutching) Teeth separated by Diagonal bar (/).

(GEAR TEETH read from LEFT to RIGHT as positioned in the TRANSMISSION)

SCREWS	(Diameter — Number of Threads x Length Under Head)		M	Male Pilot	O.D.	Outside Diameter
NUTS	(Diameter — Number of Threads)		F	Female Pilot	I.D.	Inside Diameter
WASHERS	(Inside Diameter)		Wf.	Woodruff Key	N.S.S.	Not Sold Separately
STUDS	(Diameter — Length)		AR	As Required	nss	Not Sold Separately
p.t.o.	Power Take-Off	v.p. Variable Part	2P	Two Plate Clutch	A	For Armed Services Only
c.s.	Counter Shaft		SP	Single Plate Clutch	SH	Shifter Housing Assembly
m.s.	Main Shaft	NP-96 Standard Name Plate	NP	Name Plate	OH	Overhead Stick Control
					RC	Remote Control

CASE SUB-ASSEMBLY Item G-1		CASE SUB-ASSEMBLY.....consists of				APPLICATION			FOR SERVICE USE
Part Number	Case Casting Number	Case Detail nss	G-2 Oil Filler Plug	G-3 Oil Drain Plug	Name Plate	Brake Anchor Bar Holes (Six)	Used In Case Group	Used By	G-1 Case Sub-Assy.
Iron Cases with Two SAE 6 Bolt P.T.O. Apertures.									
Case 55-15-58 with Eight 7/16"-14 holes in rear of case for m.s. & c.s. rear bearing caps									
310173X	C55-15-59-1	55-15-58	500091	62-39-3	NP-1	0.562"-12 Three	5303	General Use	310173X
310364X	"	"	"	"	NP-2	"	"	GMC	310173X
Case 55-15-61 with Four 5/8"-11 holes in rear of case for FORD m.s. rear bearing cap									
311255X	C55-15-59-2	55-15-61	500091	62-39-4	NP-1	None	5306	Ford	311255X
310806X	"	"	500091	500091	"	"	"	Ford	311255X
Case 55-15-62 same as 55-15-58 except with bosses for Brake Anchor Bar									
312525X	C55-15-59-3	55-15-62	500091	62-39-3	NP-2	0.562"-12	5303	GMC	312525X
311675X	"	"	500091	500091	NP-1	"	"	Chevrolet	312525X

5831 RATIOS

The Models 5831, 5831-A, 5831-B, 5831-C, 5831-D, 5831-E, 5831-F and 5831-G represent the ratios available in the different speeds for these Auxiliary Transmissions.

The different ratios in turn correspond to the seven Columns 5831 through 5831-F in the GEARS AND RELATED PARTS GROUP (See Page 3).

The MODEL (Gears and Related Parts Group) 5831 through 5831-G, is stamped on the Nameplate which permits identification of the Gears.

REPLACING 5531 AUXILIARY

The 5831 Auxiliary Transmission will replace the 5531 Auxiliary Transmission as a unit.

When replacing any Model 5531, with a Model 5831 use Mounting Plate Sub-Assembly 310410X which attaches to the six 7/16" tapped holes in the rear of the 5831 Case. New Companion Flanges are also required.

MODEL or GEAR GROUP	RATIOS FIRST Underdrive	SECOND Direct	THIRD Overdrive
5831	2.00	1.00	0.73
5831-A	1.54	1.00	0.73
5831-B	2.35	1.00	0.85
5831-C	1.27	1.00	0.85
5831-D	2.00	1.00	0.85
5831-E	1.27	1.00	0.73

MODEL or GEAR GROUP	RATIOS FIRST Underdrive	SECOND Underdrive	THIRD Direct
5831-F	2.00	1.27	1.00
5831-G	2.00	1.31	1.00

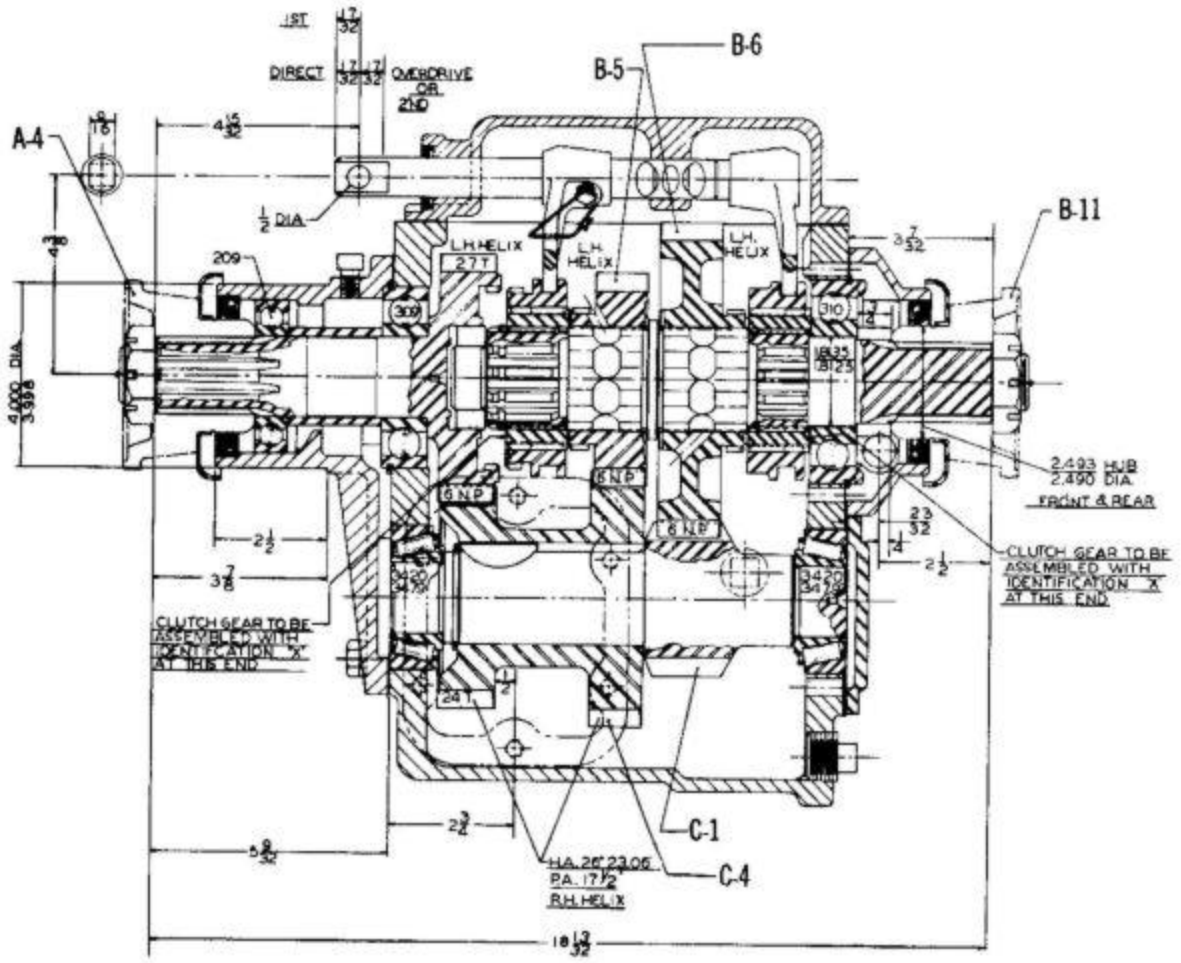
FITTINGS & KITS

Companion Flange or End Yoke Dimensions

SPICER Auxiliary Transmissions				COMPANION FLANGE or END YOKE	
Model	Type	Location	Diameter	Spline Hole & Hub	Dimensions
5831	3 Spd.	Input & Output	1.752/1.749"	Major Diameter..(max./min.)	1.752/1.749"
		Auxiliary		Minor Diameter..(max./min.)	1.509/1.504"
				Width of Spline...(max./min.)	.2730/.2715"
				Number of Splines	Ten
				Ground Hub Diameter	2.503/2.500"
				Flinger Seat	2.518/2.510"
				Length Thru Hole	2 1/4"

COMPANION FLANGES											END YOKES				
Joint Series	Fig.	Flange Diameter	Companion Flange Part Number	End of Hub to Flange Face Length	Pilot Diameter F-Female M-Male	Brake Drum pilot: Male Pilot Diameter	Type of Brake	End of Hub to Forward Face	Companion Flange Used With: Flange Yoke	Flange Yoke 1650 Series	Joint Series	Fig.	Joint Angle	End Yoke Part Number	End of Hub to Center Line Length
Major Diameter—1.752/1.749" Input Only or Output—Without Brake											Major Diameter—1.752/1.749" Input Only or Output—Without Brake				
1410	1-A	4 3/8"	3-1-3111	2 1/8"	F-2 1/4"	—	—	—	3-2-159	—	1410	4-A	30°	3-4-2821	4 1/16"
1480	1-A	5 3/8"	4-1-3321	2 1/8"	F-3 1/4"	—	—	—	3-2-479	—	1480	4-A	22°	3-4-3551	4 9/32"
1550	1-A	5 3/8"	4-1-3321	2 1/8"	F-3 1/4"	—	—	—	4-2-669	—					
1600	1-C	6 3/8"	5-1-3601	2 23/32"	F-6 3/8"	—	—	—	5-2-279	—					
Output Only—With Brake															
1600	1-C	6 3/8"	5-1-3651	4 1/32"	M-6 3/8"	6.875/6.873"	AC-B	—	5-2-249	—					

Item	Part Name	Part Number	Quantity
GASKET KIT		**310358X**	
F-4	GASKET, drive gear front bearing cap (9.500" x 5.750")	55-223-21	1
G-5	GASKET, p.t.o. aperture cover (Six Bolt Holes)	46-324-1	2
H-4	GASKET, main shaft rear bearing cap (5.500" x 5.375")	55-223-22	1
H-4	GASKET, m.s. rear bearing cap — For Brake (5.500" x 5.375")	55-223-23	1
K-1	GASKET, trans. case to shifter housing (9.312" x 9.687")	55-155-14	1
BEARING KIT		**310687X**	
A-6	BEARING, drive gear front (Single Row Ball)	550311	1
A-8	BEARING, drive gear rear (Single Row Ball)	550055	1
A-9	KIT, drive gear pocket bearing (13 Rollers 55-482-2)	310426X	1
B-9	BEARING, main shaft rear (Single Row Ball)	550028	1
C-2 & C-7	CUP, counter shaft front & rear (Roller)	550215	2
C-3 & C-8	CONE, counter shaft front & rear (Roller)	550165	2
SMALL PARTS KIT		**311470X**	
B-4	RING, m.s. clutch gear snap (2.032" I.D.)	55-381-11	1
C-5	KEY, c.s. drive gear (Woodruff #29)	500010-8	1
C-6	RING, c.s. drive gear snap (1.875" I.D.)	46-381-2	1
F-2	SEAL, drive gear front bearing cap oil (3.305" O.D. & 2.500" I.D.)	32-463-4	1
H-3	SEAL, m.s. rear bearing cap oil (3.305" O.D. & 2.500" I.D.)	32-463-4	1
R-3	SEAL, shift rod oil (1.381" O.D.)	28P-19	2
R-4	BALL, shift rod poppet (0.375" O.D.)	50-80-1	2
R-5	SPRING, poppet (24 lb.)	44-72-4	2
R-6	RETAINER, poppet ball hole (0.438"-20 x 0.312")	854-D	1
R-9	LOCK, shift rod inter (0.375" O.D. x 1.213")	55-12-7	1



SECTIONAL VIEW

10½" x 3" Band Brake & Mounting Parts
Basic Model . . . 5831

10½" BAND BRAKE ASSEMBLY Includes Items Indicated BB-1 thru BB-46	BRAKE PARTS GROUP NO.➤	BPG-1				
	Brake Drum Diameter and Band Width	10½"x3"				

Item	Part Name	Part Number	Quantity Per Brake
	Brake Band Parts		
BB-1	BAND, LINING & MOUNTING PARTS ASSY., brake.....	312940X	1
	(Includes Items Indicated BB-2 thru BB-46)		
BB-2	BAND & LINING SUB-ASSY., brake.....	311441X	1
	(Includes Items Indicated BB-3 thru BB-5)		
BB-3	LINING, brake band—End.....	4B-34 (d)	2
BB-3	LINING, brake band—Center.....	4B-35 (d)	1
BB-4	RIVET, lining.....	500301-8 (d)	34
BB-5	BAND, ENDS & SUPPORT SUB-ASSY., brake..(311442X)	N.S.S.	1
BB-11	CAM, brake band.....	5B-3	2
BB-12	ROD, brake band adjusting.....(7 7/16" Long—7/16"-14 x 2")	10B-8	1
BB-13	PIN, cam & adjusting rod clevis.....(½" x 1 7/16")	500016-24	1
BB-14	PIN, cam & adjusting rod clevis pin cotter.....	500024-4	1
BB-15	SPRING, brake band adjusting rod.....	12B-4	2
BB-16	SPRING, adjusting rod cushion.....	34B-9	1
BB-17	WASHER, adjusting rod cushion spring.....	471-W	1
BB-18	NUT, adjusting rod.....(7/16"-14)	500370-4	2
BB-19	SCREW, band end adjusting.....(¼"-20 x 2¾")	500486-19	1
BB-20	NUT, adjusting screw.....(¼"-20)	500370-1	2
	Brake Mounting Parts		
BB-24	QUADRANT, brake support.....	3Q-83	2
BB-25	BRACKET, brake support.....	18B-46	1
BB-27	PIN, support quadrant clevis.....(½" x 1 7/16")	500016-24	1
BB-29	PIN, support quadrant clevis pin cotter.....	500024-4	1
BB-31	SPRING, brake band support.....	14B-8	1
BB-32	SCREW, brake band support.....(9/16"-18 x 1⅜")	610-D	1
BB-33	WIRE, brake band support screw lock.....	LW-1	AR
BB-39	BAR, brake anchor.....	144Q-83	1
BB-40	SCREW, anchor bar & support bracket.....(9/16"-12 x 1⅜")	500401-15	3
BB-40	" " " " " " .....(9/16"-12 x 1⅞")	500401-17	3
BB-42	WASHER, screw lock.....(9/16")	500357-14	6
	U-Joint Flange & Brake Drum		
BB-43	DRUM, brake.....Rectangular Flange 3¾" Female Pilot For 1480 & 1550 Series U-Joints & Flange 4-1-4041.....	20B-108	1
BB-44	BOLT, u-joint flange.....(½"-20 x 1⅞")	8-73-130	4
BB-45	NUT, flange bolt.....(½"-20)	500371-5	4
BB-46	WASHER, flange bolt nut lock.....(½")	500357-13	4

(d)—For Brake Lining & Rivet Kit, use 311571X.