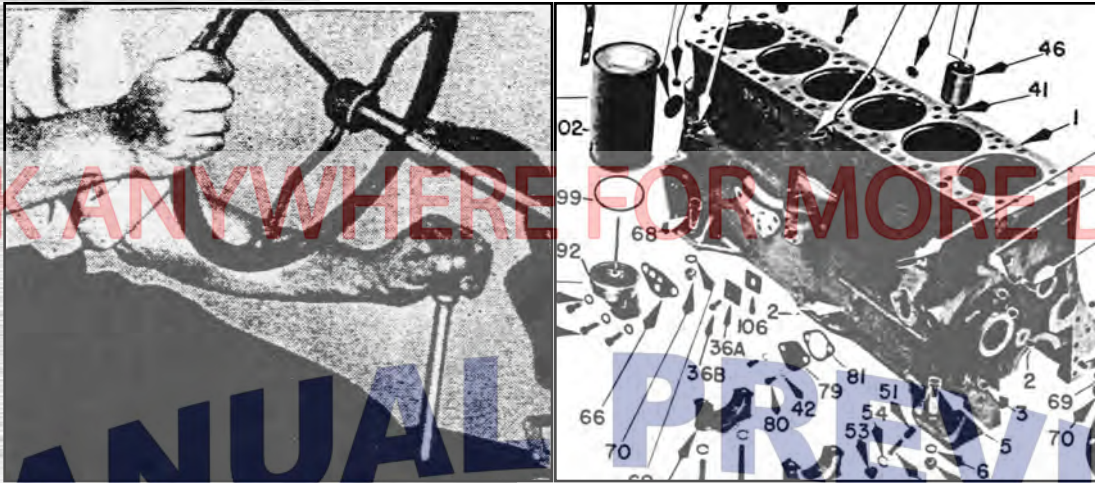




New Idea

Operator's and Parts Manual

314

Sheller Unit

JENSALES.COM

or Call 800-443-0625



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NI-OP-314 SH

Operator's & Parts Manual

OPERATOR'S MANUAL

No. CS-157

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NO. 314 SHELLER UNIT

USED WITH TWO ROW
PULL TYPE GATHERING UNITS



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For the Dealer and Operator
Read these instructions
Save them for reference



COLDWATER, OHIO, U.S.A. 45828

Elbow Casting Inspection Door



Figure 16

Fig. 16 - By removing door "F" it is possible to remove any foreign material such as dirt or mud that may become lodged inside the elbow casting.

NOTE: When shelling in extreme cold or freezing conditions, we suggest this be done after using each day.

Disassembling Elbow Casting Assembly



Figure 17

Fig. 17 - Elbow casting assembly "G" must be removed from the sheller to disassemble, then proceed as follows:

1. Remove housing disc "H" and woodruff key from shaft.
2. Remove seal "I".
3. Remove internal snap ring "J".
4. Remove gear cover from the under side of case.
5. Using a punch and hammer tap on the gear end of the shaft to remove the shaft, gear and bearing.

NOTE: Both shafts are disassembled in the same manner.

Reverse the above procedure to reassemble.

Removing Shelled Corn Auger



Figure 18

Fig. 18 - If for any reason shelled corn auger "A" ever needs to be removed, remove it in the following steps:

1. Remove wagon elevator throwout clutch assembly "B".
2. Remove wagon elevator auger and elbow casting assembly "C". Cross auger "A" can now be removed. Reverse this procedure to reinstall auger.

NOTE: When replacing cross auger "A", seat the auger into elbow casting at "D" as far as possible. Add washers as required at "E" to REMOVE ALL ENDPLAY.

Removing Cob Discharge Auger



Figure 19

Fig. 19 - In order to remove the cob discharge auger, it will be necessary to remove the top deck as shown.

Remove machine bolt "K". Slide auger to the right and remove.

NOTE: Reverse procedure to replace auger.

WHEN ORDERING REPAIR PARTS

1. Order from your Avco New Idea Dealer.
2. Be sure to give Part Number and Description as it is written in the list accompanying each illustration of parts. (Do Not use Key Numbers when ordering parts.
3. Please give Lot and Serial Number of Machine. It is to be found on a metal plate on the left rear corner of the sheller frame, and may be recorded in the box provided immediately below and on Page 2.
4. Be specific regarding shipping information.
5. Specify if part required is for use on left or right side of the sheller. Determine by standing at rear of sheller and looking in the direction of travel.
6. Part description tells if more than one of part is used.



COLDWATER, OHIO, U.S.A.

LOT No. _____

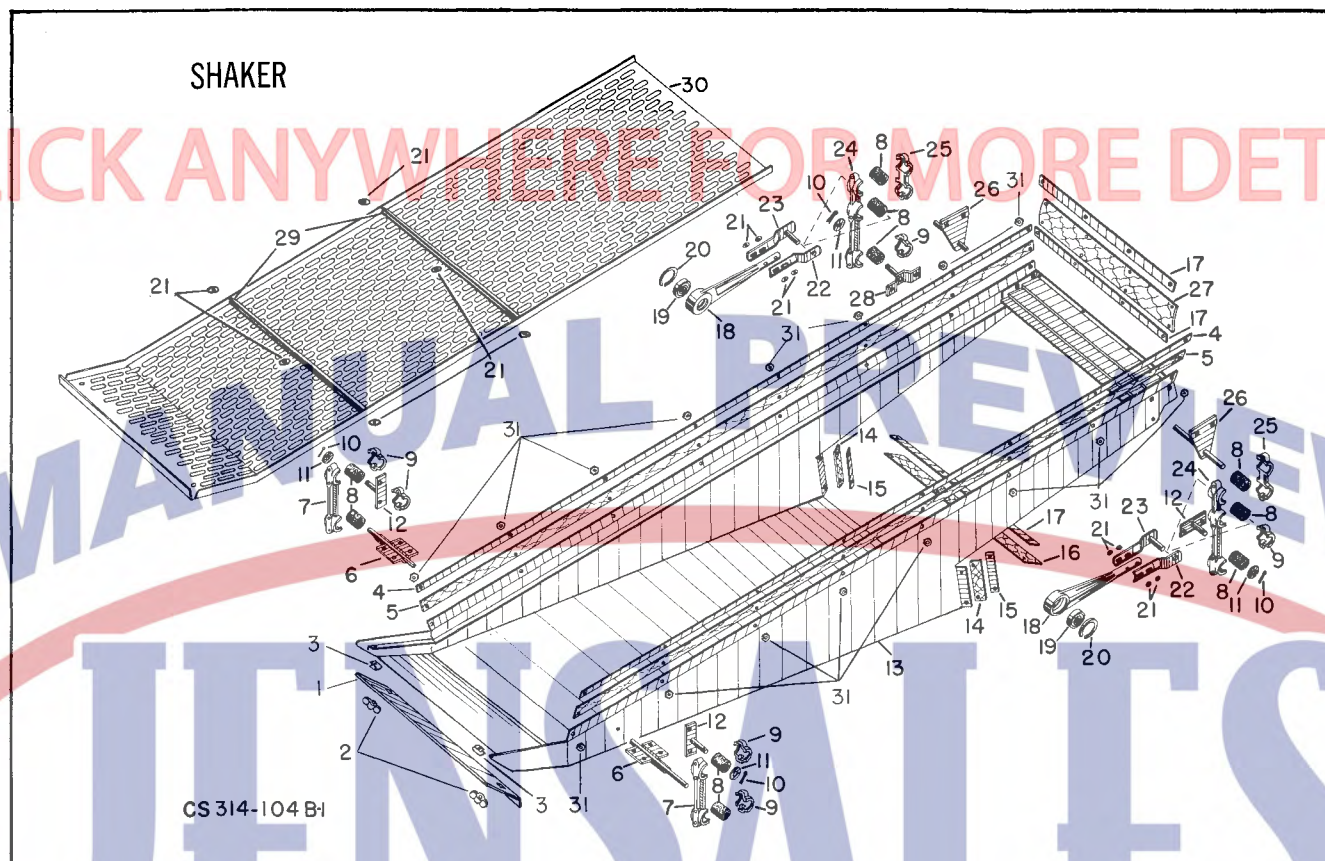
SERIAL No. _____

Enter Lot and Serial number here
for future reference.

Because our engineers are constantly improving products, we reserve the right to change design and/or specifications without notice.

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Key	Part Number	Part Description	Used
1	304606	Tail gate, 1/2 x 3-1/4 x 21-5/16" long angle	1
	013811	Carriage bolt, 5/16 x 3/4"	2
2	K 2846	Wing nut, 5/16"	2
3	K 5020	Speed nut, U-type	2
4	304607	Shoe strip, 3/4 x 52-3/4" x 1/16" thick	2
5	304608	Side seal, 1/8 x 1-3/4 x 52-7/8" long	2
	013987	Machine screw, 5/16 x 5/8"	14
6	303076	Hanger rod assembly, 5/8" dia. x 29-3/8" long	1
	013987	Machine screw, 5/16 x 5/8"	8
7	303082	Hanger arm	2
	013569	Machine bolt, 5/16 x 2"	8
8	0144 PS	Bushing, rubber, 7/16" I.D. x 1-3/16" O.D. x 1-1/2" long	10
9	10 PS	Hanger arm cap	6
10	010217	Cotter key, 1/8 x 1-1/4"	4
11	K 2257	Washer, 21/32" I.D. x 1-3/8" O.D. x 1/16" thick	4
12	302904	Pivot plate assembly,	3
	013565	Machine bolt, 5/16 x 1"	2
13	304598	Shoe assembly	1
	013987	Machine screw, 5/16 x 5/8"	14
14	303068	Seal, 1/8 x 1-1/2 x 7-3/8"	2
	013987	Machine screw, 5/16 x 5/8"	2
15	303069	Strip, 3/64 x 3/4 x 5-3/4"	2
16	303070	Bottom seal, 2 x 23-1/8 x 1/8"	1
	013987	Machine screw, 5/16 x 5/8"	4
17	303071	Seal strip, 3/4 x 21-1/4 x 3/64"	3
	013987	Machine screw, 5/16 x 5/8"	4
18	302947	Pitman head	2
19	010473	Bearing ball, 43/64" I.D. x 1-37/64" O.D. x 15/32" thick	2
20	K 3868	Pitman snap ring, 1-7/16" I.D. x 1-11/16" O.D. x 3/64" thick	2
21	K 3037	Washer, 11/32" I.D. x 11/16" O.D. x 1/16" thick	18
22	0148 PS	Fork, side plates	2

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