

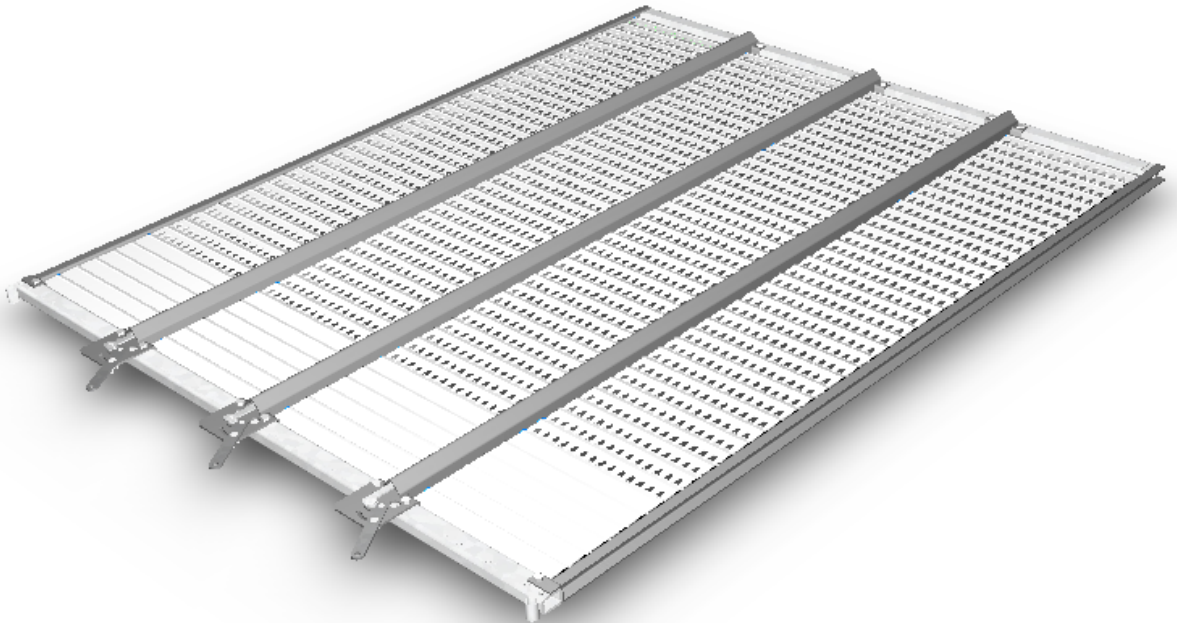


Gateway

SIEVE & CHAFFER SYSTEM

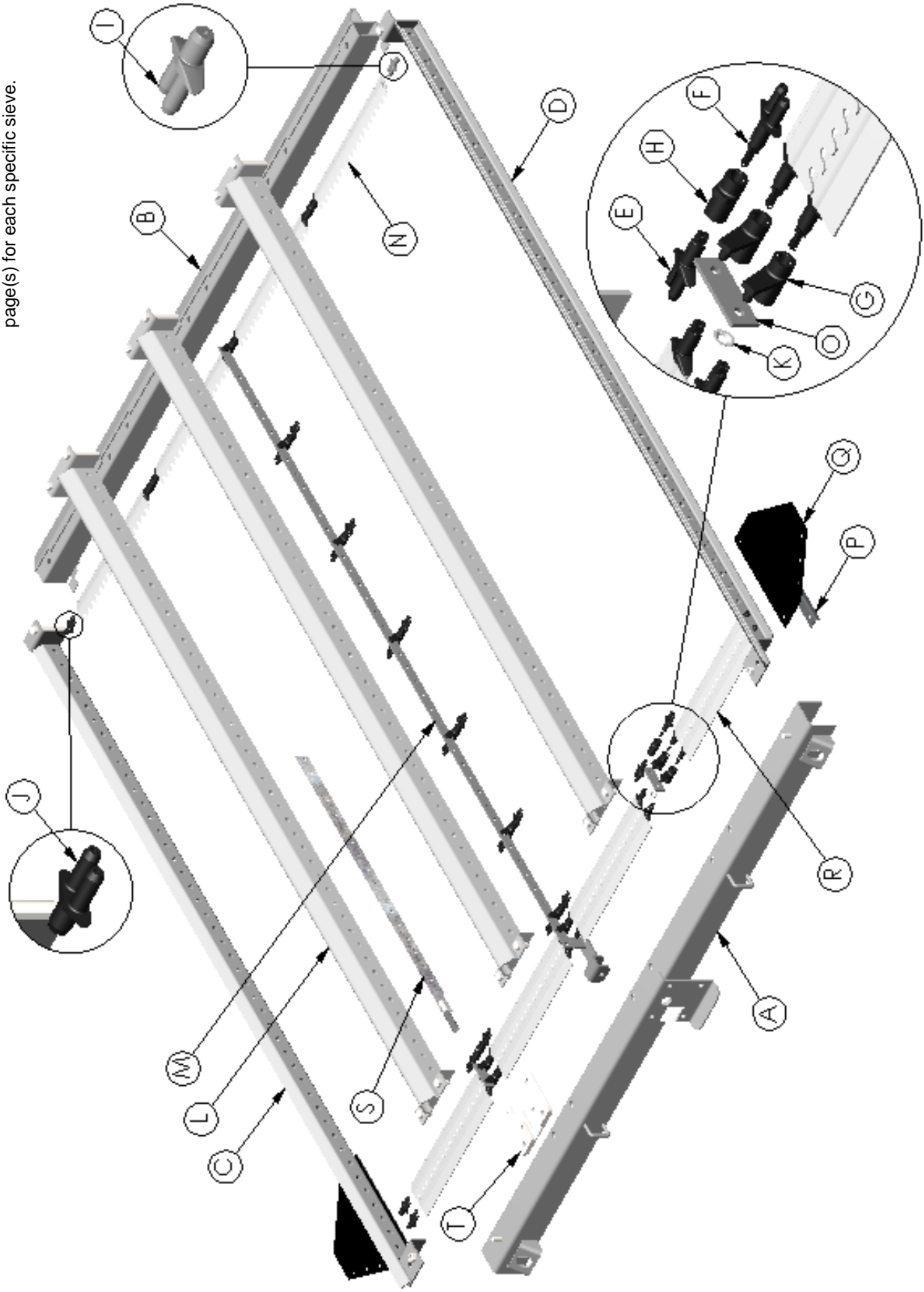
Parts Book

Four Panel, Single & Double Adjustment
Frames



GATEWAY DIAGRAM

The Gateway diagram on this page is generic, covering a wide variety of OEM equipment. A detailed parts list is available on the following page(s) for each specific sieve.





SERVICE PART LIST

PART NUMBER: 002645

REVISION I.D. : -

DESCRIPTION: JOHN DEERE STS RSA CHAFFER

ITEM	QTY.	PART NUMBER	DESCRIPTION
A	1	709085	REAR CHANNEL ASSY.
B	1	709239	FRONT TUBE ASSEMBLY
C	1	709035	SIDE CHANNEL ASSY - LH
D	1	709036	SIDE CHANNEL ASSY - RH
E	131	409000	AXLE CONNECTOR - FEMALE
F	131	409001	AXLE CONNECTOR - MALE
G	47	409002	CRANK ARM - LONG
H	84	409003	CRANK ARM - SHORT
I	45	409004	END CRANK - R.H.
J	45	409005	END CRANK - L.H.
K	11	212366	PUSHNUT - .250 STUD DIA.
L	3	709037	DIVIDER ASSEMBLY
M	1	709086	ADJUSTMENT BAR - ASSY.
N	172	409008	SLAT - SIEVE
O	2	409021	ADJUSTMENT BAR
P	2	409032	BRACKET - SIDE SEAL
Q	2	223021*	SEAL - CHAFFER SIDE
R	4	409201	FLAT SLAT ST
-	8	202130	BOLT - MACHINE HEX. HD.
-	8	202650	BOLT - MACHINE HEX HD.
-	16	212189	NUT - HEX LOCK
-	8	213215	RIVET .156" DIA X .25"
-	4	213216	DRIVE RIVET .125" DIA X .25"

PART NUMBER: 002647

REVISION I.D. : -

DESCRIPTION: JOHN DEERE STS RSA CHAFFER

ITEM	QTY.	PART NUMBER	DESCRIPTION
A	1	709085	REAR CHANNEL ASSY.
B	1	709239	FRONT TUBE ASSEMBLY
C	1	709039	SIDE CHANNEL ASSY - LH
D	1	709040	SIDE CHANNEL ASSY - RH
E	96	409000	AXLE CONNECTOR - FEMALE
F	96	409001	AXLE CONNECTOR - MALE
G	32	409002	CRANK ARM - LONG
H	64	409003	CRANK ARM - SHORT
I	32	409004	END CRANK - R.H.
J	32	409005	END CRANK - L.H.
K	8	212366	PUSHNUT - .250 STUD DIA.
L	3	709041	DIVIDER ASSEMBLY
M	1	709087	ADJUSTMENT BAR - ASSY.
N	120	409056	SLAT - CHAFFER
O	-	-	-
P	2	409032	BRACKET - SIDE SEAL
Q	2	223021*	SEAL - CHAFFER SIDE
R	8	409202	FLAT SLAT LT
-	8	202130	BOLT - MACHINE HEX. HD.
-	8	202650	BOLT - MACHINE HEX HD.
-	16	212189	NUT - HEX LOCK
-	8	213215	RIVET .156" DIA X .25"
-	4	213216	DRIVE RIVET .125" DIA X .25"
-	4	409327	FILLER PIECE

PART NUMBER: 002646

REVISION I.D. : -

DESCRIPTION: JOHN DEERE STS RSA SIEVE

ITEM	QTY.	PART NUMBER	DESCRIPTION
A	1	709085	REAR CHANNEL ASSY.
B	1	709240	FRONT TUBE ASSEMBLY
C	1	709031	SIDE CHANNEL ASSY - LH
D	1	709032	SIDE CHANNEL ASSY - RH
E	110	409000	AXLE CONNECTOR - FEMALE
F	110	409001	AXLE CONNECTOR - MALE
G	40	409002	CRANK ARM - LONG
H	70	409003	CRANK ARM - SHORT
I	38	409004	END CRANK - R.H.
J	38	409005	END CRANK - L.H.
K	10	212366	PUSHNUT - .250 STUD DIA.
L	3	709033	DIVIDER ASSEMBLY
M	1	709088	ADJUSTMENT BAR - ASSY.
N	148	409008	SLAT - SIEVE
O	2	409021	ADJUSTMENT BAR
P	-	-	-
Q	-	-	-
R	-	-	-
-	8	202130	BOLT - MACHINE HEX. HD.
-	8	202650	BOLT - MACHINE HEX HD.
-	16	212189	NUT - HEX. LOCK
-	4	213216	DRIVE RIVET .125" DIA X .25"
-	4	409327	FILLER PIECE

PART NUMBER: 002648

REVISION I.D. : -

DESCRIPTION: JOHN DEERE STS RSA CHAFFER

ITEM	QTY.	PART NUMBER	DESCRIPTION
A	1	709085	REAR CHANNEL ASSY.
B	1	709239	FRONT TUBE ASSEMBLY
C	1	709035	SIDE CHANNEL ASSY - LH
D	1	709036	SIDE CHANNEL ASSY - RH
E	131	409000	AXLE CONNECTOR - FEMALE
F	131	409001	AXLE CONNECTOR - MALE
G	47	409002	CRANK ARM - LONG
H	84	409003	CRANK ARM - SHORT
I	45	409004	END CRANK - R.H.
J	45	409005	END CRANK - L.H.
K	11	212366	PUSHNUT - .250 STUD DIA.
L	3	709037	DIVIDER ASSEMBLY
M	1	709086	ADJUSTMENT BAR - ASSY.
N	172	409056	SLAT - CHAFFER
O	2	409021	ADJUSTMENT BAR
P	2	409032	BRACKET - SIDE SEAL
Q	2	223021*	SEAL - CHAFFER SIDE
R	4	409201	FLAT SLAT ST
-	8	202130	BOLT - MACHINE HEX. HD.
-	8	202650	BOLT - MACHINE HEX HD.
-	16	212189	NUT - HEX LOCK
-	8	213215	RIVET .156" DIA X .25"
-	4	213216	DRIVE RIVET .125" DIA X .25"



SERVICE PART LIST

PART NUMBER: 002649
 REVISION I.D. : -
 DESCRIPTION: JOHN DEERE STS RSA SIEVE

ITEM	QTY.	PART NUMBER	DESCRIPTION
A	1	709085	REAR CHANNEL ASSY.
B	1	709240	FRONT TUBE ASSEMBLY
C	1	709031	SIDE CHANNEL ASSY - LH
D	1	709032	SIDE CHANNEL ASSY - RH
E	110	409000	AXLE CONNECTOR - FEMALE
F	110	409001	AXLE CONNECTOR - MALE
G	40	409002	CRANK ARM - LONG
H	70	409003	CRANK ARM - SHORT
I	38	409004	END CRANK - R.H.
J	38	409005	END CRANK - L.H.
K	10	212366	PUSHNUT - .250 STUD DIA.
L	3	709033	DIVIDER ASSEMBLY
M	1	709088	ADJUSTMENT BAR - ASSY.
N	148	409056	SLAT - CHAFFER
O	2	409021	ADJUSTMENT BAR
P	-	-	-
Q	-	-	-
R	-	-	-
-	8	202130	BOLT - MACHINE HEX. HD.
-	8	202650	BOLT - MACHINE HEX HD.
-	16	212189	NUT - HEX. LOCK
-	4	213216	DRIVE RIVET .125" DIA X .25"

PART NUMBER: 002651
 REVISION I.D. : A
 DESCRIPTION: JOHN DEERE STS SIEVE

ITEM	QTY.	PART NUMBER	DESCRIPTION
A	1	709030	REAR CHANNEL ASSY.
B	1	709240	FRONT TUBE ASSEMBLY
C	1	709031	SIDE CHANNEL ASSY - LH
D	1	709032	SIDE CHANNEL ASSY - RH
E	110	409000	AXLE CONNECTOR - FEMALE
F	110	409001	AXLE CONNECTOR - MALE
G	40	409002	CRANK ARM - LONG
H	70	409003	CRANK ARM - SHORT
I	38	409004	END CRANK - RH
J	38	409005	END CRANK - LH
K	10	212366	PUSHNUT - .250 STUD DIA.
L	3	709033	DIVIDER ASSEMBLY
M	1	709034	ADJUSTMENT BAR - ASSY.
N	148	409008	SLAT - SIEVE
O	2	409021	ADJUSTMENT BAR
P	-	-	-
Q	-	-	-
R	-	-	-
-	8	202130	BOLT - MACHINE HEX. HD.
-	8	202650	BOLT - MACHINE HEX HD.
-	16	212189	NUT - HEX. LOCK
-	1	216141	PIN - SLOT SPRING
-	4	409327	FILLER PIECE

PART NUMBER: 002650
 REVISION I.D. : A
 DESCRIPTION: JOHN DEERE STS CHAFFER

ITEM	QTY.	PART NUMBER	DESCRIPTION
A	1	709030	REAR CHANNEL ASSY.
B	1	709239	FRONT TUBE ASSEMBLY
C	1	709035	SIDE CHANNEL ASSY - LH
D	1	709036	SIDE CHANNEL ASSY - RH
E	131	409000	AXLE CONNECTOR - FEMALE
F	131	409001	AXLE CONNECTOR - MALE
G	47	409002	CRANK ARM - LONG
H	84	409003	CRANK ARM - SHORT
I	45	409004	AXLE CONNECTOR - RH
J	45	409005	AXLE CONNECTOR - LH
K	11	212366	PUSHNUT - .250 STUD DIA.
L	3	709037	DIVIDER ASSEMBLY
M	1	709038	ADJUSTMENT BAR - ASSY.
N	172	409008	SLAT - SIEVE
O	2	409021	ADJUSTMENT BAR
P	2	409032	BRACKET - SIDE SEAL
Q	2	223021*	SEAL - CHAFFER SIDE
R	4	409201	FLAT SLAT ST
-	8	202130	BOLT - MACHINE HEX. HD.
-	8	202650	BOLT - MACHINE HEX HD.
-	16	212189	NUT - HEX. LOCK
-	8	213215	RIVET .156" DIA X .25"
-	1	216141	PIN - SLOT SPRING

PART NUMBER: 002652
 REVISION I.D. : A
 DESCRIPTION: JOHN DEERE STS CHAFFER

ITEM	QTY.	PART NUMBER	DESCRIPTION
A	1	709030	REAR CHANNEL ASSY.
B	1	709239	FRONT TUBE ASSEMBLY
C	1	709039	SIDE CHANNEL ASSY - LH
D	1	709040	SIDE CHANNEL ASSY - RH
E	95	409000	AXLE CONNECTOR - FEMALE
F	95	409001	AXLE CONNECTOR - MALE
G	35	409002	CRANK ARM - LONG
H	60	409003	CRANK ARM - SHORT
I	33	409004	END CRANK - R.H.
J	33	409005	END CRANK - L.H.
K	11	212366	PUSHNUT - .250 STUD DIA.
L	3	709041	DIVIDER ASSEMBLY
M	1	709042	ADJUSTMENT BAR - ASSY.
N	120	409056	SLAT - GATEWAY LT - 276.00mm
O	2	409071	ADJUSTMENT BAR
P	2	409032	BRACKET - SIDE SEAL
Q	2	223021*	SEAL - CHAFFER SIDE
R	8	409202	FLAT SLAT LT
-	8	202130	BOLT - MACHINE HEX. HD.
-	8	202650	BOLT - MACHINE HEX HD.
-	16	212189	NUT - HEX. LOCK
-	8	213215	RIVET .156" DIA X .25"
-	1	216141	PIN - SLOT SPRING
-	4	409327	FILLER PIECE

* PURCHASE THROUGH JOHN DEERE. DEERE NUMBER H201154.



SERVICE PART LIST

PART NUMBER: 002653

REVISION I.D. : **A**

DESCRIPTION: JOHN DEERE STS CHAFFER

ITEM	QTY.	PART NUMBER	DESCRIPTION
A	1	709030	REAR CHANNEL ASSY.
B	1	709239	FRONT TUBE ASSEMBLY
C	1	709035	SIDE CHANNEL ASSY - LH
D	1	709036	SIDE CHANNEL ASSY - RH
E	131	409000	AXLE CONNECTOR - FEMALE
F	131	409001	AXLE CONNECTOR - MALE
G	47	409002	CRANK ARM - LONG
H	84	409003	CRANK ARM - SHORT
I	45	409004	AXLE CONNECTOR - RH
J	45	409005	AXLE CONNECTOR - LH
K	11	212366	PUSHNUT - .250 STUD DIA.
L	3	709037	DIVIDER ASSEMBLY
M	1	709038	ADJUSTMENT BAR - ASSY.
N	172	409056	SLAT - SIEVE
O	2	409021	ADJUSTMENT BAR
P	2	409032	BRACKET - SIDE SEAL
Q	2	223021*	SEAL - CHAFFER SIDE
R	4	409201	FLAT SLAT ST
-	8	202130	BOLT - MACHINE HEX. HD.
-	8	202650	BOLT - MACHINE HEX HD.
-	16	212189	NUT - HEX LOCK
-	8	213215	RIVET .156" DIA X .25"
-	1	216141	PIN - SLOT SPRING

PART NUMBER: 002654

REVISION I.D. : **A**

DESCRIPTION: JOHN DEERE STS SIEVE

ITEM	QTY.	PART NUMBER	DESCRIPTION
A	1	709030	REAR CHANNEL ASSY.
B	1	709240	FRONT TUBE ASSEMBLY
C	1	709031	SIDE CHANNEL ASSY - LH
D	1	709032	SIDE CHANNEL ASSY - RH
E	110	409000	AXLE CONNECTOR
F	110	409001	AXLE CONNECTOR
G	40	409002	CRANK ARM - LONG
H	70	409003	CRANK ARM - SHORT
I	38	409004	END CRANK - R.H.
J	38	409005	END CRANK - L.H.
K	10	212366	PUSHNUT - .250 STUD DIA.
L	3	709033	DIVIDER ASSEMBLY
M	1	709034	ADJUSTMENT BAR - ASSY.
N	148	409056	SLAT - CHAFFER
O	2	409021	ADJUSTMENT BAR
P	-	-	-
Q	-	-	-
R	-	-	-
-	8	202130	BOLT - MACHINE HEX. HD.
-	8	202650	BOLT - MACHINE HEX HD.
-	16	212189	NUT - HEX LOCK
-	1	216141	PIN - SLOT SPRING

PART NUMBER: 002686

REVISION I.D. : -

DESCRIPTION: JOHN DEERE S-SERIES SIEVE

ITEM	QTY.	PART NUMBER	DESCRIPTION
A	1	709085	REAR CHANNEL ASSY.
B	1	709335	FRONT TUBE ASSEMBLY
C	1	709336	SIDE CHANNEL ASSY - LH
D	1	709337	SIDE CHANNEL ASSY - RH
E	131	409000	AXLE CONNECTOR - FEMALE
F	131	409001	AXLE CONNECTOR - MALE
G	47	409002	CRANK ARM - LONG
H	84	409003	CRANK ARM - SHORT
I	45	409004	AXLE CONNECTOR - RH
J	45	409005	AXLE CONNECTOR - LH
K	10	212366	PUSHNUT - .250 STUD DIA.
L	3	709338	DIVIDER ASSEMBLY
M	1	709339	ADJUSTMENT BAR - ASSY.
N	176	409008	SLAT - SIEVE
O	2	409021	ADJUSTMENT BAR
	4	409327	FILLER PIECE

PART NUMBER: 002687

REVISION I.D. : -

DESCRIPTION: JOHN DEERE S-SERIES CHAFFER

ITEM	QTY.	PART NUMBER	DESCRIPTION
A	1	709325	REAR CHANNEL ASSY.
B	1	709324	FRONT TUBE ASSEMBLY
C	1	709330	SIDE CHANNEL ASSY - LH
D	1	709331	SIDE CHANNEL ASSY - RH
E	171	409000	AXLE CONNECTOR - FEMALE
F	171	409001	AXLE CONNECTOR - MALE
G	57	409002	CRANK ARM - LONG
H	114	409003	CRANK ARM - SHORT
I	57	409004	END CRANK - R.H.
J	57	409005	END CRANK - L.H.
K	8	212366	PUSHNUT - .250 STUD DIA.
L	3	709332	DIVIDER ASSEMBLY
M	1	709333	ADJUSTMENT BAR - ASSY.
N	224	409056	SLAT - CHAFFER
R	4	409202	FLAT SLAT LT
S	1	709334	MANUAL ADJ. BAR
T	1	709329	MANUAL ADJ. PLATE

* PURCHASE THROUGH JOHN DEERE. DEERE NUMBER H201154.



SERVICE PART LIST

PART NUMBER: 002688

REVISION I.D. : -

DESCRIPTION: JOHN DEERE S-SERIES CHAFFER

<u>ITEM</u>	<u>QTY.</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>
A	1	709325	REAR CHANNEL ASSY.
B	1	709324	FRONT TUBE ASSEMBLY
C	1	709321	SIDE CHANNEL ASSY - LH
D	1	709322	SIDE CHANNEL ASSY - RH
E	126	409000	AXLE CONNECTOR - FEMALE
F	126	409001	AXLE CONNECTOR - MALE
G	42	409002	CRANK ARM - LONG
H	84	409003	CRANK ARM - SHORT
I	42	409004	END CRANK - R.H.
J	42	409005	END CRANK - L.H.
K	8	212366	PUSHNUT - .250 STUD DIA.
L	3	709323	DIVIDER ASSEMBLY
M	1	709327	ADJUSTMENT BAR - ASSY.
N	160	409056	SLAT - CHAFFER
R	8	409202	FLAT SLAT LT
S	1	709328	MANUAL ADJ BAR
T	1	709329	MANUAL ADJ. PLATE
	4	409327	FILLER PIECE

HCC, inc.
1501 1ST Avenue – Mendota, Illinois 61342
(815) 539-9371 Fax (815) 539-3135
WARRANTY REGISTRATION

Delivery Date _____ Ultimate User _____

Address _____

City, State (Province) _____ Zip/Postal Code _____

Country _____ Telephone (____) _____

Dealer/Distributor Name _____

Dealer/Distributor Customer Number _____ Telephone (____) _____

Address _____

City, State (Province) _____ Zip/Postal Code _____

Country _____

To be completed by DEALER / DISTRIBUTOR or ULTIMATE USER:

Please place an (X) in front of the product or products you are submitting this Warranty Registration form for.

- _____ Orbit Reel _____ Product kit number
- _____ Gateway Sieve or chaffer _____ Product frame number
- _____ Reel
- _____ Other / List _____

Please make a copy of this WARRANTY REGISTRATION form for your records and return the original to:

**Marketing & Sales Manager
HCC, Inc.
1501 1ST Avenue
Mendota, Illinois 61342 USA**

Form must be completed and returned to HCC, Inc. within 30 days from receipt of delivery or warranty may become void.

HCC, inc.
1501 1st Avenue – Mendota, Illinois 61342
(815) 539-9371 Fax (815) 539-3135
LIMITED WARRANTY

HCC, inc. warrants each new HCC, inc. product to be free from defects in material and workmanship. This warranty is applicable only for the normal service life expectancy of the product or components, not to exceed 12 consecutive months from the date of delivery of the new HCC, inc. product to the original purchaser.

Genuine HCC, inc. replacement parts and components will be warranted for 90 days from date of purchase, or the remainder of the original equipment warranty period, whichever is longer. There is no warranty for tires.

Under no circumstances will it cover any merchandise or components thereof, which, in the opinion of the company, has been subjected to misuse, unauthorized modifications, alteration, an accident, or if repairs have been made with parts other than those obtainable through HCC, inc.

Our obligation under this warranty shall be limited to repairing or replacing, free of charge to the original purchaser, any part that, in our judgment, shall show evidence of such defect, provided further that such part shall be returned within thirty (30) days from date of failure to HCC, inc., routed through the dealer and distributor from whom the purchase was made, transportation charges prepaid.

This warranty shall not be interpreted to render HCC, inc. liable for injury or damages of any kind or nature to person or property. This warranty does not extend to the loss of crops, loss because of delay in harvesting, or any expense or loss incurred for labor, substitute machinery, rental, or for any other reason.

Except as set forth above, **HCC, inc. shall have no obligation or liability of any kind on account of any of its equipment and shall not be liable for special or consequential damages. HCC, inc. makes no other warranty, expressed or implied, and specifically, HCC, inc. disclaims any implied warranty of merchantability or fitness for a particular purpose. Some states or provinces do not permit limitations or exclusions of implied warranties or incidental or consequential damages, so the limitations or exclusion in this warranty may not apply.**

This warranty is subject to any existing conditions of supply which may directly affect our ability to obtain materials or manufacture replacement parts.

HCC, inc. reserves the right to make improvements in design or changes in specifications at any time, without incurring any obligation to owners of units previously sold.

No one is authorized to alter, modify, or enlarge this warranty nor the exclusion, limitations, and reservations.

Effective with products delivered to original user on or after January 1, 2006