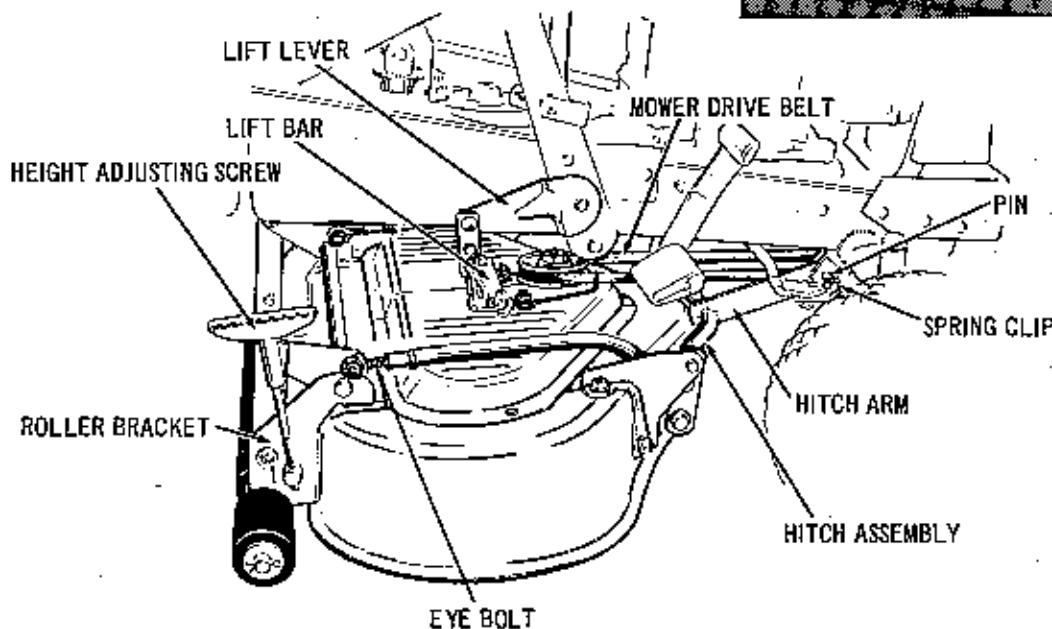


Simplicity

32" Rotary Mower
For
BROADMOOR
Mfr's. No. 289



1234567890

Assembly

Attach the hitch assembly as shown in Fig. 1, to the front of the mower housing by means of the carriage bolts and lock washers, and hex nuts furnished. Note that the heads of the carriage bolts are on the inside of the mower housing.

Assemble the Eye Bolt to the roller brackets at the rear of the mower housing, using hex capscrews, lock washers, and hex nuts. Note: The bolts are installed so that the nuts are to the outside.

Mower Attachment

The mower is attached to the tractor as follows:

1. Turn the steering wheel to cock the tractor wheels all the way to the left.
2. Slide the mower under the tractor from the right hand side. Straighten the wheels.
3. Attach the mower hitch arms to the rear of the tractor front hitch, using pins and spring clips.
4. Place the mower drive belt around the engine drive pulley and then over the idler pulleys at the front end of the tractor. Place the free end of the drive belt over the drive pulley of the mower. To obtain sufficient slack in belt to attach to mower drive pulley, release the idler pulley tension by pushing forward on tractor power take-off lever.
5. Remove the two hex nuts from the top of mower housing cover, and install the lift bar, with the offset end and chain facing the right hand end of the mower. Replace the hex nuts and tighten securely.

Pull the tractor right hand lift arm to the rear, and mount lift lever with chain attached, to the tractor lift arm with the hex capscrew and lock nut as shown.

Operation

To operate the Rotary Mower, pull the tractor lift lever back to place the mower on the ground, and engage mower drive with the power take-off.

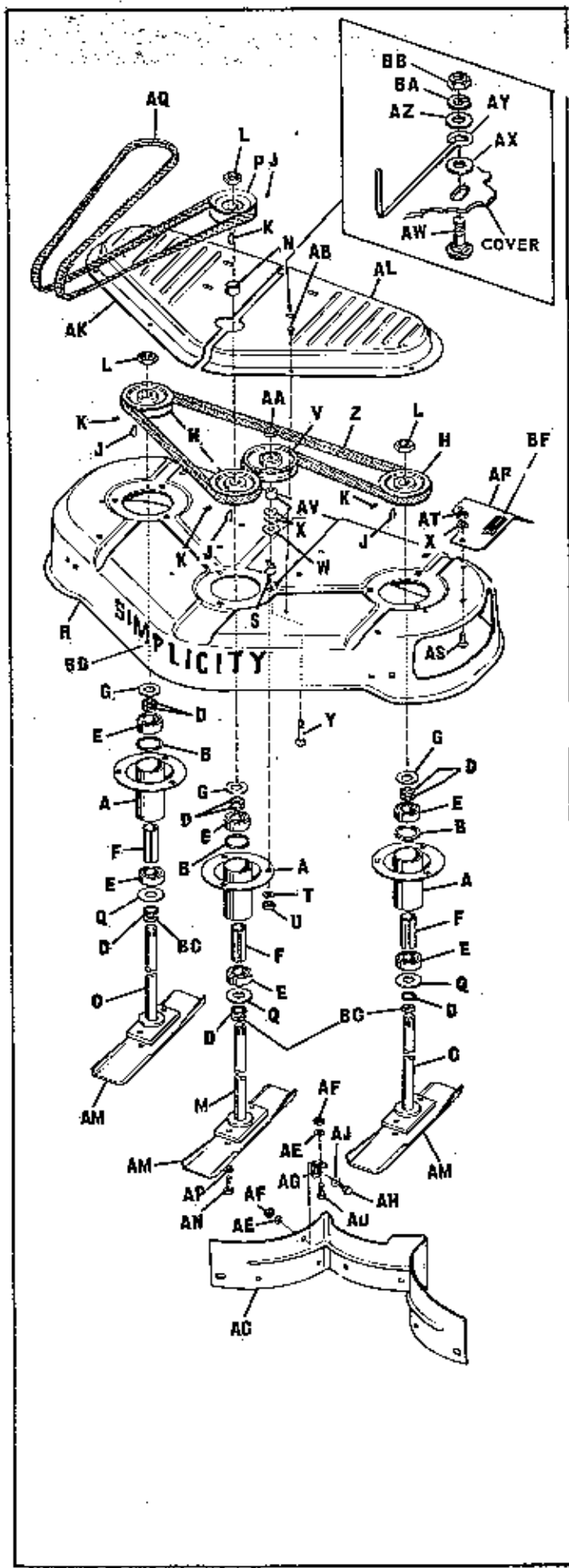
NOTE: After the first 5 to 10 hours of operation, the cross drive belt and the blade drive belt #31, Fig. RT-7, may stretch slightly. The tension on the blade drive belt may be increased as illustrated in Fig. RT-7. First remove the fasteners holding the housing covers in place and then remove the covers from the housing. Loosen the nut #32, Fig. RT-7, then apply pressure to move the idler pulley #33, in the direction indicated, until enough belt tension is obtained. Then hold pulley in desired position and re-tighten the nut #32. Replace the housing and tighten securely.

Belts

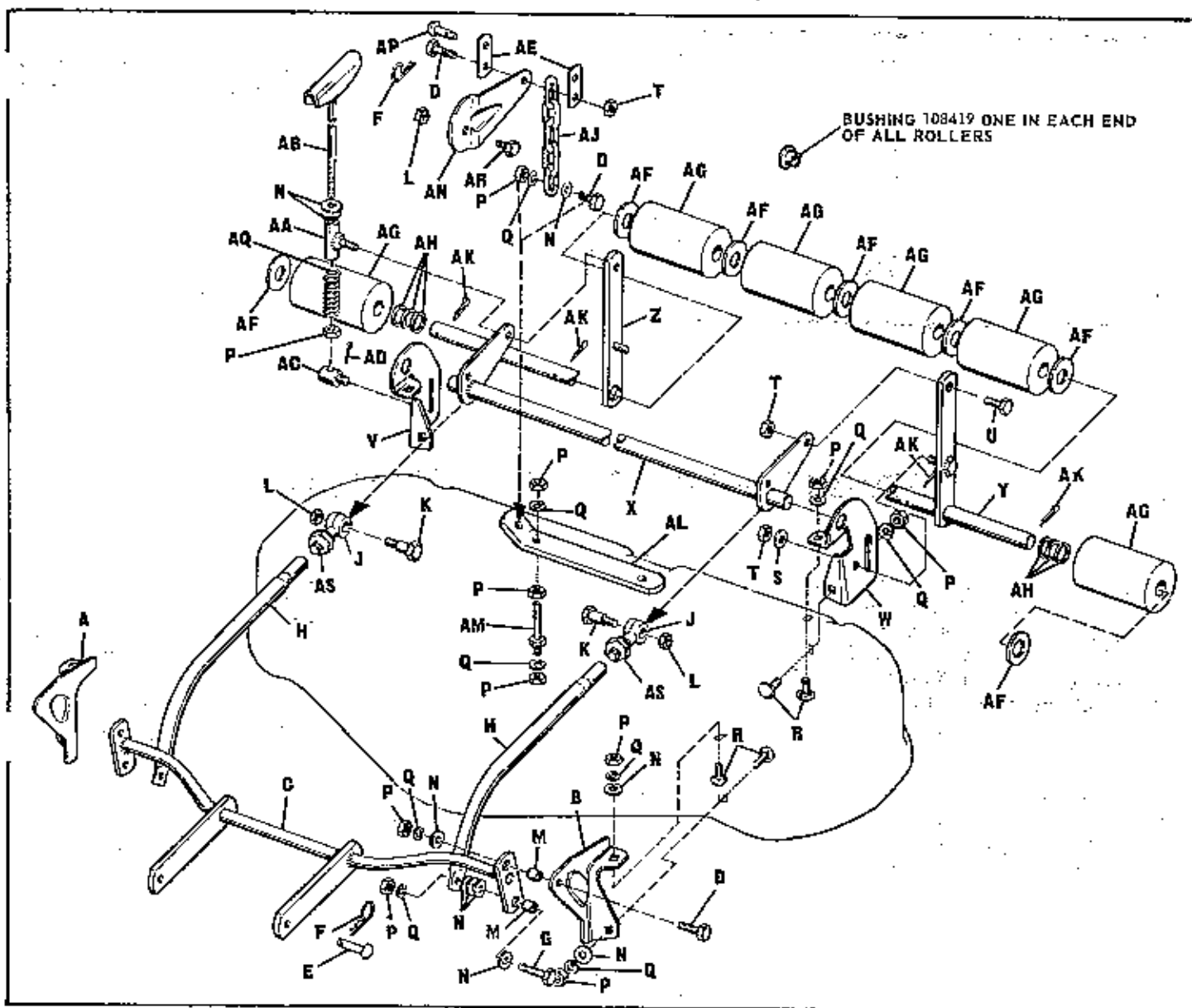
The drive belt and the spindle drive belt are a super combine type which are specially constructed to insure proper mower operation and long life. When replacements are needed, do not substitute standard fractional horsepower belts. Use the #106723 cross drive belt and #108151-blade drive belt.

ARBOR & HOUSING

Ref. No.	Part No.	Description
A	108203	Arbor Tube Assembly
B	108134	Backing Ring
C	108250	Arbor Assembly
D	108181	Washer
E	108202	Bearing, Single Row Radial
F	108201	Spacer
G	108139	Flinger
H	108142	Pulley
J	725006	Woodruff Key, 3/16" x 5/8" Dia.
K	713504	Set Screw, Cup Pt., Socket Head, 5/16"-18 x 3/8" lg.
L	717517	Hex Jam Nut, 3/4"-16
M	108369	Arbor Drive Assembly
N	108371	Spacer
P	108246	Cross Drive Pulley
Q	108257	Washer
R	108147	Housing
S	703004	Carriage Bolt, 3/8"-16 x 3/4" lg.
T	720002	Lock Washer, 3/8"
U	717003	Hex Nut, Full, 3/8"-16
V	108386	Idler Pulley
W	719004	Washer
X	719002	Plain Washer, 5/16"
Y	713009	Carriage Bolt, 3/8"-16 x 1-3/4" lg.
Z	108151	V-Belt
AA	717003	Full Hex. Nut, 3/8"-16
AB	714007	Self Tap. Screw, Recessed Hex Head, 1/4"-20 x 7/8" lg.
AC	108187	Mower Baffle
AD	714012	Self Tap. Screw, Recessed Hex Head, 1/4"-20 x 3/8" lg.
AE	720003	Lock Washer, 1/4"
AF	717005	Hex Nut, Full, 1/4"-20
AG	108186	Baffle Clip
AH	715018	Hex Capscrew, 1/4"-20 x 5/8" lg.
AJ	719006	Plain Washer, 1/4"
AK	108301	Cover, R.H.
AL	108302	Cover, L.H.
AM	108297	Blade
AN	715024	Capscrew, Hex Hd., 3/8"-16 x 5/8"
AP	720002	Lock Washer, 3/8"
AQ	106723	V-Bolt, Cross Drive
AR	108390	Deflector
AS	703005	Carriage Bolt, 5/16"-18 x 3/4" lg.
AT	717001	Hex Nut, Full, 5/16"-18
AV	157081	Spacer
AW	703003	Carriage Bolt 3/8"-16 x 1" lg.
AX	719003	Plain Washer 7/16"
AY	8161158	Belt Stop
AZ	719002	Plain Washer 5/16"
BA	720002	Lock Washer 3/8"
BB	717003	Hex Nut Full 3/8"-16
BC	108472	Washer
BD	115061	Decal
BF	103031	Safety Decal

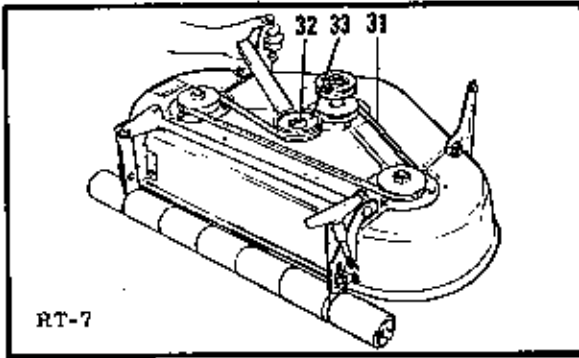


HITCH & ROLLERS



Ref. No.	Part No.	Description
A	108376	Front Bracket, R. H.
B	108377	Front Bracket, L. H.
C	108427	Mower Hitch Assembly
D	705005	Hex Capscrew, 3/8-16 x 1" lg.
E	156306	Pin
F	8161045	Spring Clip
G	705016	Hex Capscrew, 3/8"-16 x 1-1/4" lg.
H	108411	Adjusting Arm
J	157215	Eye Bolt
K	108412	Bolt Shoulder
L	717510	Hex Lock Nut, Full, 3/8"-16
M	154177	Spacer
N	719001	Plain Washer, 3/8"
	717013	Hex Nut, Jam, 3/8"-16
	720002	Lock Washer, 3/8"
R	703004	Carriage Bolt, 3/8"-16 x 3/4" lg.
S	719002	Plain Washer, 5/16"
T	717510	Hex Lock Nut, Full, 3/8"-16
U	705031	Hex Capscrew, 3/8"-16 x 7/8" lg.
V	108159	Roller Bracket, R. H.

Ref. No.	Part No.	Description
W	108163	Roller Bracket, L. H.
X	108160	Rear Lever Assembly
Y	108254	Bar & Shaft Assembly
Z	108256	Roller Bar Assembly
AA	108166	Socket Assembly, Crank
AB	108415	Adjustment Screw Assembly
AC	108172	Pivot
AD	722001	Cotter Pin, 3/32" x 3/4"
AE	108199	Mower Lift Link
AF	116001	Washer
AG	108413	Roller w/Bushing
AH	8261055	Washer (as required)
AJ	107031	Chain
AK	722011	Cotter Pin, 3/16" x 1"; x 1" lg.
AL	108375	Lift Bar
AM	108372	Stud
AN	108385	Mower Lift Lever
AP	153658	Pin, 3/8" x 1" lg.
AQ	108360	Spring
AR	705031	Hex Capscrew, 3/8"-16 x 7/8" lg.
AS	717016	Hex. Nut Jam 1/2"-20



RT-7

Lubrication

The mower arbor spindles are supported in pre-lubricated, sealed ball bearing assemblies, which do not require further attention.

ADJUSTMENT FOR 289 MOWER

The hitch and adjusting rod assembly is shipped loose with the #289 Mower, and the eye bolt on each rod is located in the approximate position for use on the #287 Broadmoor. FOR THE #303 and #288 BROADMOORS, EACH EYEBOLT MUST BE MOVED OUT FOR PROPER MOWER ADJUSTMENT.

After making this initial setting, place the Broadmoor, with mower attached, on a flat surface and measure the height of the front tip of the center blade and the rear tips of the side blades.

The front tip should be approximately 3/8" higher than the rear tips. Each eye bolt may be moved as necessary to obtain this relationship.

