LIFTS AND SEPARATES TANGLED OUTSIDE ROWS

ROLL-A-CONE MFG. CO.
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OUTSIDE CONES
HYDRAULICALLY DRIVEN
METAL SNOUTS
Installation Instructions
For End Cones

1. Assemble the bearings (C-10) and flangettes (C-20) onto the shafts, which extend from the cones. The set collar side of the bearing goes on toward the upper (large) end of the cone. Tighten the set collar with a punch, and then tighten the allen screw. Install the 7/8” washer and put the cotter pin through the small hole in the end of the cone shaft. (See Figure #1)

2. Using the stud bolts, which extend down from the nose shield (C-21) as a template, mark your snout as indicated. (See Figure #2). Drill an oversize ½” hole. Now you are ready to mount the nose shields onto each cone by bolting the loose flangettes above the bearing onto the flangette half, which is welded on the nose shield.

3. Use the cone with nose shield mounted as a gauge now to locate the position in which you will install the unit. The best way to do this is to hang the unit above the back of the header using a hoist of some kind.

4. (See Figure #3). This position is not critical, so do not be afraid to change it around some if necessary to make your drive line up better or to keep from getting into your windshield. The main thing is that approximately 5” to 10” of the small square drive shaft (C-7) should extend out of the cone so that when the snout of your corn head flexes upward, the cone will have room to rise with it without hitting the bracket. Attach the mounting brackets to the back beam of the header as shown on the attached drawing. Now attach the cones to the mounting brackets supplied.
These are the parts you would need if you want cones just on the end and both cones driven with a hydraulic motor.

1  C-19  Corn Cone
1  C-21  Shield
1  C-21P Plastic Shield
1  C-10  1" Bearing
1  C-10  7/8" Bearing
3  C-20 Flangettes
1  C-7 Drive Shaft
1  C-5 Bearing Bracket
1  C-33 Hydraulic Motor
1  C-34 1" to 1" Coupler
1  C-35 Flag W/Chain
2  C-36 7/8" Special Washer
1  C-37 Cotter Pin
4  C-38 3/8x1" Bolt & Washer
2  C-39 5/16x1" Bolt & Nut
1  C-42 Key Stock
2  C-43 1/2x1-1/2 Cr Bolt, Nut & Washer
1  MB-3A Carrier Bracket
Mounting Bracket Parts
MB-1 Cross Piece
MB-2 Straight Ext. Arm
MB-3 Bar Clamp
MB-3A Carrier Bracket
MB-4 Base
MB-5 Back Up Plate
MB-6 Extension
MB-7 90 Ext. Arm
MB-8 Stop Clamp
MB-9 Strap
MB-10-3 3” Z Clamp
MB-10-4 4” Z Clamp
MB-10-5 5” Z Clamp

Mounting Brackets
John Deere
International
Gleaner Adjust
Gleaner Hugger
Massey
White
Ford
New Holland
New Idea
Caterpillar
Drago
Schematic for running cones with reel.

Roll-A-Cone MFG.
SCHEMATIC FOR END CONES ONLY

PRESSURE FROM SIDE COMBINE

RETURN TO LINE COMBINE
There are 2 nuts and washers on each of the nose shield bolts. The top nuts and washers go on top of the snout. These are used to adjust the nose shield height. The bottom nuts and washers go under the snout to clamp on the nose shield.
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Install flat strap and c-clamp as shown.
Mount nose shield as shown below. Remove 4 bolts that fasten sensor assembly onto the bottom of the snout. Remove sensor assembly from snout, remove and discard front bolt and nut from sensor assembly. Drill holes in snout as shown. Mount nose shield using 1/2” nut & washer provided.

There are 2 nuts and washers on each of the nose shield bolts. The top nuts and washers go on top of the snout. These are used to adjust the nose shield height. The bottom nuts and washers go under snout to clamp on noses shield.

At this time install and tighten back nut and washer only. Reinstall sensor assembly under snout. The front bolt on nose shield should go through hole in sensor assembly. Install and tighten front nut and washer on nose shield.
Mount nose shields as shown. The sensor Assembly will need to be removed in order to fasten the 1/2” washer & nut onto the rear bolt of the nose shield underneath. After installation reinstall the sensor Assembly.

There are 2 nuts and washers on each of the nose shield bolts. The top nuts and washers go on top of the snout. These are used to adjust the nose shield height. The bottom nuts and washers go under the snout to clamp on the nose shield.

Note: If plastic wear protector is used please remove in order to remove front 3/8 bolt then reinstall and drill wear protector inline with existing hole.