

# **Degeleman**

"BEST IN THE FIELD - - - WHERE IT COUNTS"

**HYDRAULIC CLUTCH  
OPTION**

**ROCK PICKER  
(R570-S/ R570-H)**

**INSTRUCTION and  
PARTS MANUAL**

142312

APR 87

***farm implements***

# INTRODUCTION

Congratulations on the purchase of your new Degelman Product. This machine was carefully designed, professionally engineered, tested and manufactured with quality materials and skilled workmanship. It will reward you with superior results and years of dependable service if proper Maintenance, Care and Adjustments are performed.

Follow the sequence of steps contained in this Manual to assist in installation of unit. Use care and caution when handling components to prevent personal injury.

Before operating this machine, be sure to read and understand the OPERATOR'S MANUAL.

When ordering Replacement Parts be sure to include the machine MODEL NUMBER and SERIAL NUMBER along with the PART NUMBER, DESCRIPTION and QUANTITY of component required.

This manual contains both Imperial Units of measure (inches - in./feet - ft.) and SI Metric Units of measure (millimetres - mm/metres - m).

"Right Hand" and "Left Hand" sides are determined by facing in the direction of forward travel.

Record for handy reference the machine MODEL NUMBER, SERIAL NUMBER and DATE of PURCHASE to assist your Dealer in providing you with prompt and efficient service. For your convenience, a space is provided for recording this information.

Model No. \_\_\_\_\_

Serial No. \_\_\_\_\_

Date of Purchase \_\_\_\_\_

If you should require information not covered in this manual, consult your local Degelman Dealer. He will be glad to answer any questions that may arise regarding your machine. Inquiries can also be directed to:

**DEGELMAN INDUSTRIES LTD.**

P. O. Box 830  
272 Industrial Drive  
Regina, Saskatchewan  
Canada  
S4P 3B1  
Telephone: (306) 543-4447  
Telex: 071-2747

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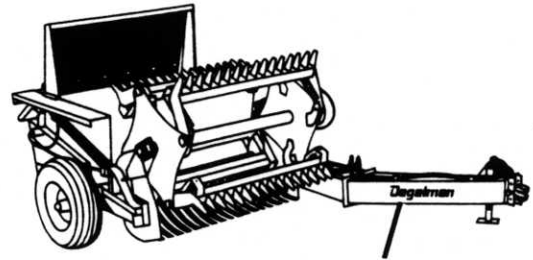
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# ASSEMBLY

The Hydraulic Cylinder Clutch Option was designed to replace the rope activated Throw-out/Lock Arm Assembly on any Degelman Clutch Unit to provide a more convenient means of engaging and disengaging the Clutch during field operations.



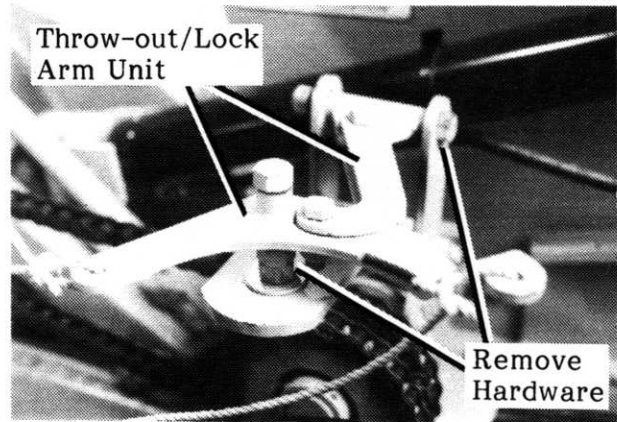
Ground Drive, Clutch Activated Rockpicker



Clutch Location

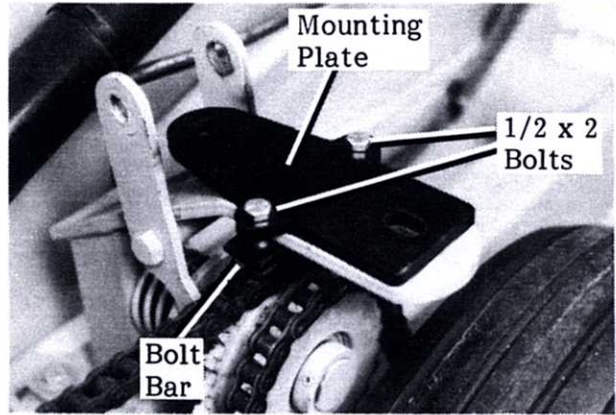
## ASSEMBLY

1. Remove hardware that secures the Throw-out/Lock Arm Unit and discard components to provide the "stripped" Clutch Unit shown.

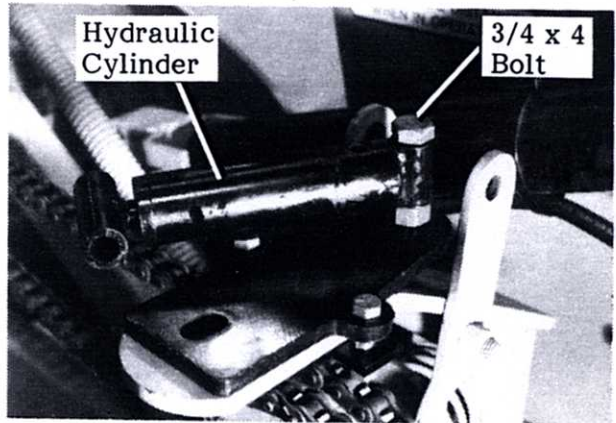


## ASSEMBLY

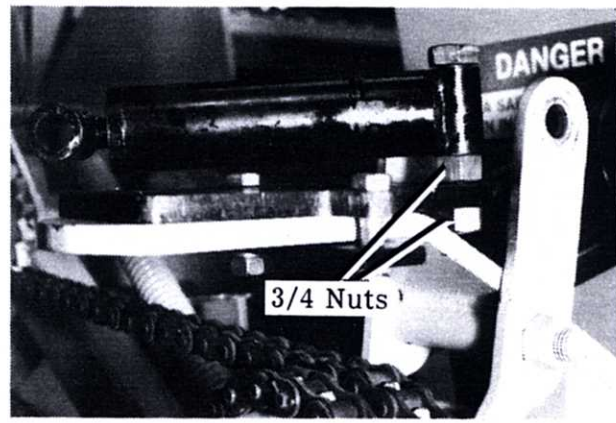
2. Position and loosely secure the Mounting Plate to Clutch using the Bolt Bar, two Bolts, Lockwashers and Nuts shown.



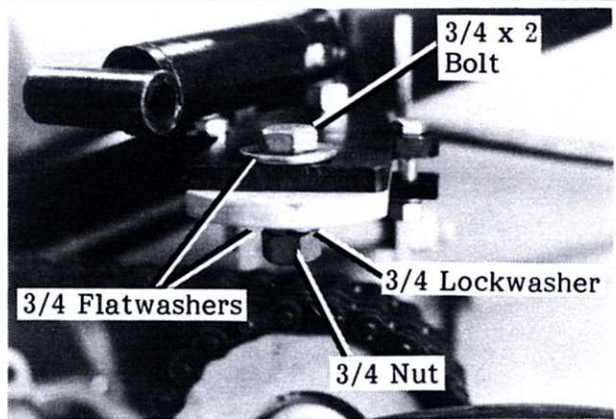
3. Mount the Hydraulic Cylinder (port up) onto Mounting Plate using the Bolt and two Nuts shown.



Secure unit by tightening Nuts against Mounting Plate.



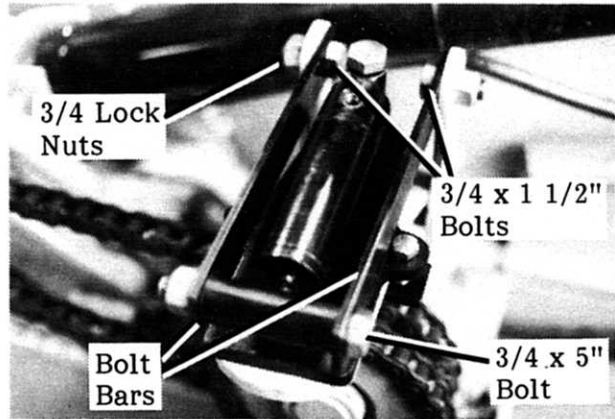
4. Loosely secure the front end of Mounting Plate to Clutch using the hardware shown.



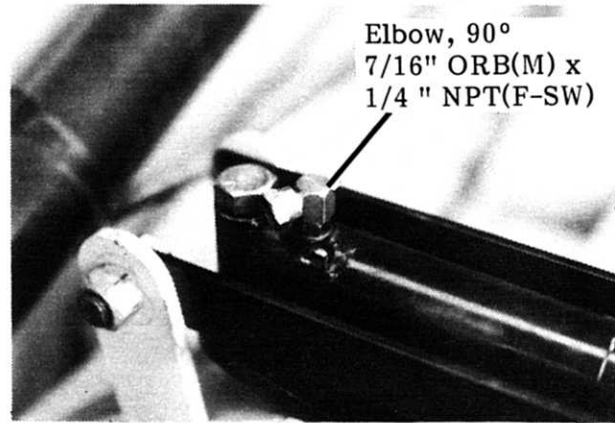
## ASSEMBLY

5. Assemble both Bolt Bars as shown and secure with Bolts and Locknuts indicated.

NOTE: **DO NOT** overtighten Locknuts. Allow a slight amount of movement in Bolt Bars.

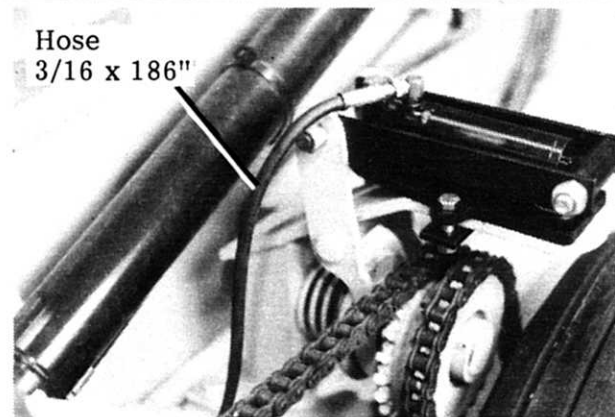


6. Tighten Elbow Fitting into port facing in the direction shown.



7. Install Hydraulic Hose to Elbow Fitting and route along existing hose path on Hitch Pole.

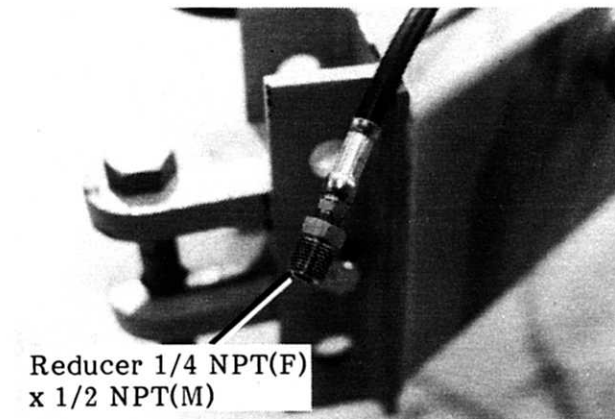
Secure Hose as required using Plastic Hose Ties provided.



To the opposite end of the Hose install the Reducer Fitting.

Check and tighten all hose connections.

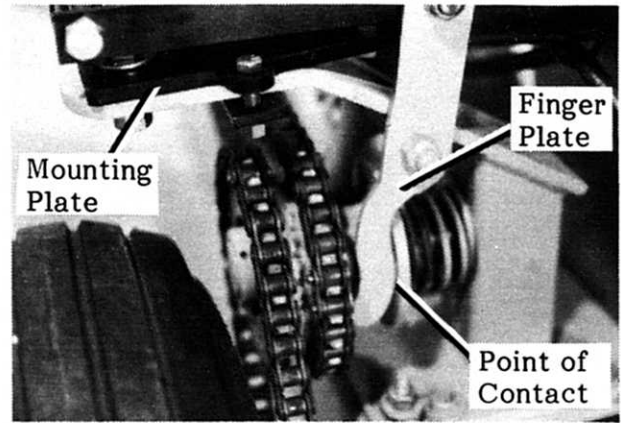
The unit is now fully assembled and ready for adjustments as outlined on the following page.



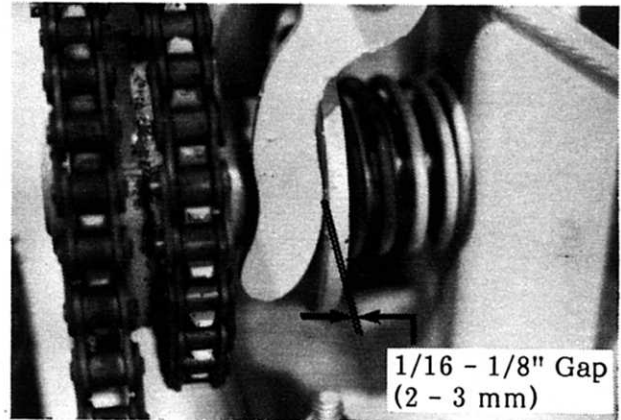
# ADJUSTMENTS

1. Engage the Clutch fully before making the following adjustment:



Adjust the newly mounted Hydraulic Cylinder Clutch Unit by moving the Mounting Plate back or forth until the Finger Plates make contact with Disc Plate as illustrated.



From this point move the Mounting Plate further to produce a slight gap as shown, which will prevent the Finger Plates from contacting the Disc Plate during field operation.



2. Tighten all bolted connections left loose to values given in chart.

Bolt Dia. (in.)	Bolt Torques (ft. lbs.)			
	Grade 5 		Grade 8 	
	UNC	UNF	UNC	UNF
5/16	13	14	18	20
3/8	23	25	35	38
1/2	55	65	80	90
9/16	80	90	110	130
5/8	110	130	170	180
3/4	200	220	280	320
1	480	530	680	740

\*Torques are for PLATED or LUBRICATED threads.

3. Hitch Rockpicker to Tractor and connect Hoses to desired outlets. Read the Operator's Manual for proper operating procedures related to this machine and follow all Safety Tips.

