

# LAN84206

## Installation Instructions

Converts 600 Series Platform Heads to 50 series & Earlier Model Combines

# LANKOTA<sup>®</sup>

**270 West Park Avenue**

**Huron, SD 57350**

**866-526-5682**

# Numerical Parts List

| <b>Part Numbers</b> | <b>Description</b>                     | <b>Quantity</b> |
|---------------------|--|-----------------|
| LAN128039           | Bracket for reel drive                 | 1               |
| LAN128041           | Bracket for aft                        | 2               |
| LAN172176           | Bracket LH Wiring                      | 1               |
| LAN206290           | Harness Clip                           | 1               |
| LAN128240           | Hydraulic Coupler Assembly Female 3/8" | 2               |
| LAN128241           | Hydraulic Coupler Assembly 1/2"        | 2               |
| LAN209735           | Wiring Harness                         | 1               |
| LANO3M7185*         | M1 1.25 MM Screws                      | 14              |
| LAN14M7298*         | M8 1.25 metric flange nut              | 14              |
| LAN14M7303*         | M6 1.0 metric flange nut               | 8               |
| LANQWKW*            | M6 1.0 metric Flange Screw             | 8               |
| LAN94522*           | Poppet-Male tip                        | 1               |
| LAN38H1604*         | Stud Bulkhead Adapter                  | 1               |
| LAN33FF650288*      | Hydraulic Fitting                      | 1               |
| LANFS680266*        | Orb Adapter                            | 2               |
| LANFS6802108*       | 45 Degree Fitting #10 to #8            | 1               |
| LANFS680268*        | 45 Degree Fitting #6 to #8             | 1               |
| LAN47229*           | Clamp Yoke                             | 8               |
| LAN44302*           | Zip Ties                               | 4               |
| LAN2411*            | Plastic Hex Nut for Electrical Adapter | 1               |
| LAN2414*            | Wave Washer for Electrical Adapter     | 1               |

*\*Items included in bag of hardware*

# Pictorial Parts List

|   |   |   |  |  |  |
|---|---|---|--|--|--|
|    |    |    |   |   |   |
| LAN128039 (1)   | LAN128041 (2)   | LAN172176 (1)   | LAN206290(1)   | LAN128240 (2)  | LAN44302 (4)*  |
|    |    |   |   |   |   |
| LAN128241(2)  | LAN209735 (1)   | LAN03M7185 (14)*  | LAN14M7298 (14)*   | LAN14M7303 (8)*  | LAN47229 (8)*  |
|   |   |  |  |  |  |
| LANQWKW (8)*  | LAN94522 (1)*   | LAN38H1604 (1)*   | LAN33FF650288(1)*  | LANFS680266 (2)*   | LAN2414 (1)*   |
|  |  |  |  |  |  |
| LANFS6802108 (1)*   | LANFS680268 (1)*  | LAN2411 (1)*  |  |  |  |

# Preparation

1. Raise the reel.
2. Lower reel safety stops supporting the reel in the up position.
3. Press and hold the reel lower button to relieve hydraulic pressure on reel.
4. Remove head from combine (consult owner's manual).

## 1. Removing Hoses from single point block.

### Refer to Figure 1

- 1.1 Remove and keep Velcro straps that bundle hydraulic hoses on single point hookup.
- 1.2 Using the below labels, identify all hoses going to the Multi Coupler block to reduce any future confusion (See **Figure 1**).
- 1.3 Remove hoses from valves on single point block.
- 1.4 Disconnect at swivel fittings. Cap the hoses to prevent contamination of lines.

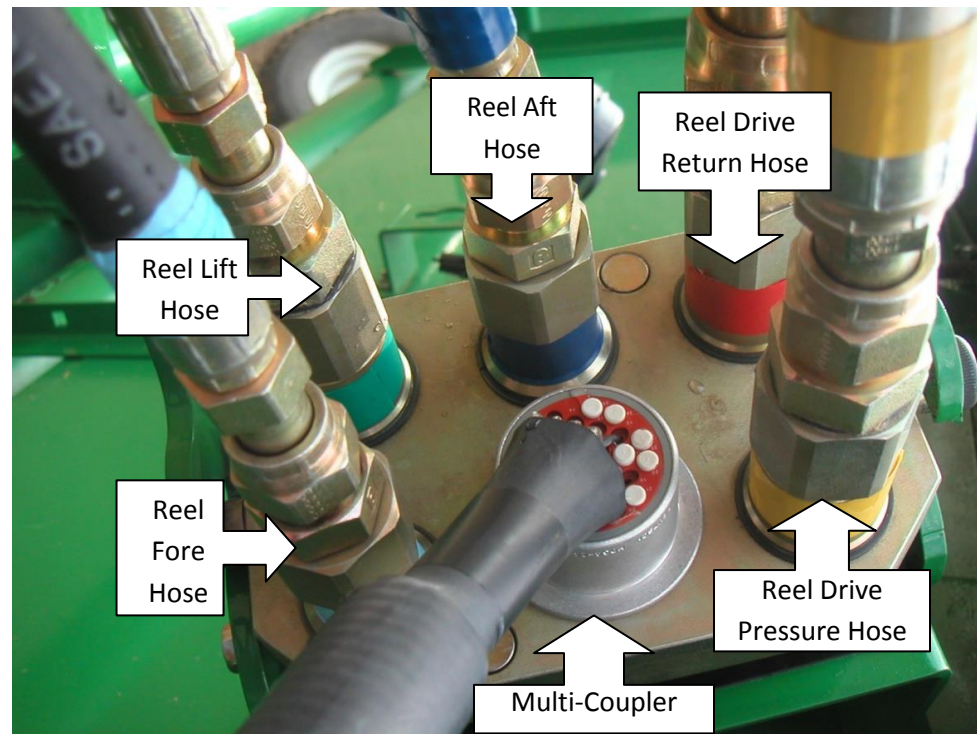


Figure 1

**Refer to Figure 1.2**

1.5 Remove snap ring from the electrical cable, and remove cable from block.



*Figure 1.2*

## 2. Routing of hoses.

**Refer to Figure 2.1**

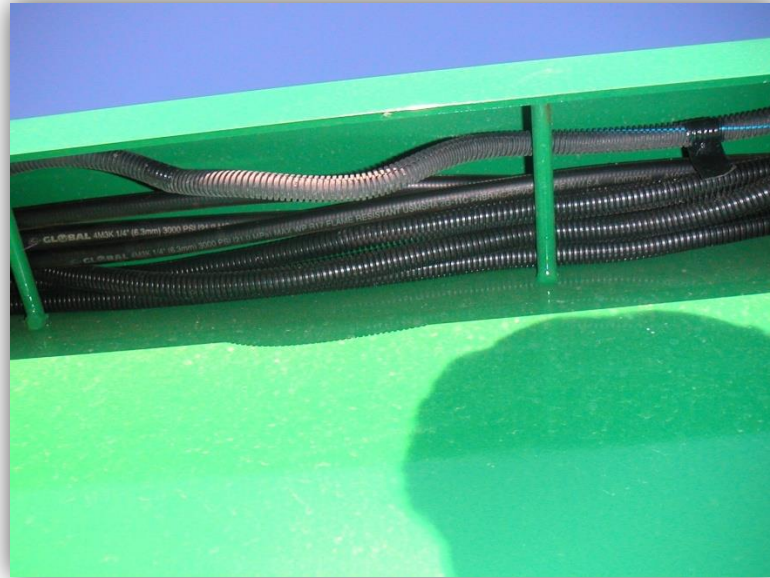
2.1 Bury the reel aft hose, reel lift hose, and electrical connection up under the top header beam leaving enough hose to connect to couplers.



*Figure 2.1*

**Refer to Figure 2.2 & 2.3**

2.2 Pull remaining three hoses (reel drive, reel return, and reel fore) to right hand side of head leaving enough exposed to connect to the couplers.



*Figure 2.2*



*Figure 2.3*

### 3. Installing left side mounting brackets and couplers.

**Refer to Figure 3.1**

3.1 On the left hand side, measure from the bottom of the top rail down 4  $\frac{3}{4}$  inches and from the vertical beam 6  $\frac{1}{4}$  inches, and mark the position.

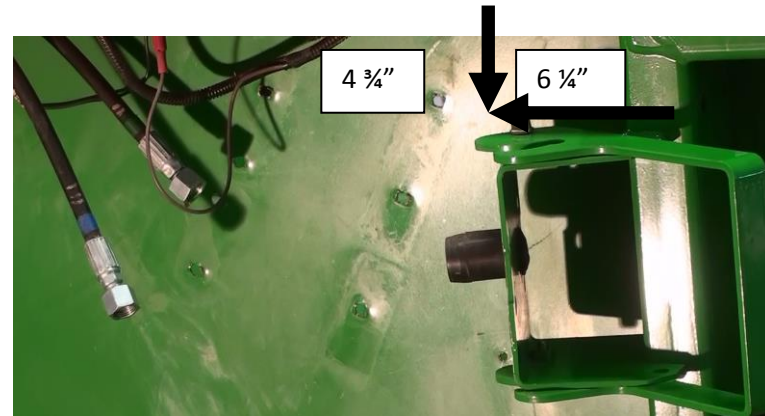


Figure 3.1

**Refer to Figure 3.2**

3.2 Insert Hydraulic Fitting (LANFS680268) into coupler (LAN128241). Do not completely tighten fitting at this time as adjustments may be needed.

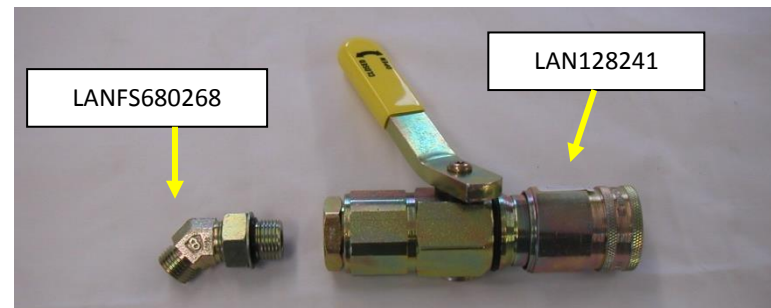


Figure 3.2

**Refer to Figure 3.3**

3.3 Install the large quick coupler (**LAN128241**) to the top position on the bracket (**LAN172176**). Retain coupler with two yokes (**LAN47229**), two bolts (**LANQWKW**) and two lock nuts (**LAN14M7303**).

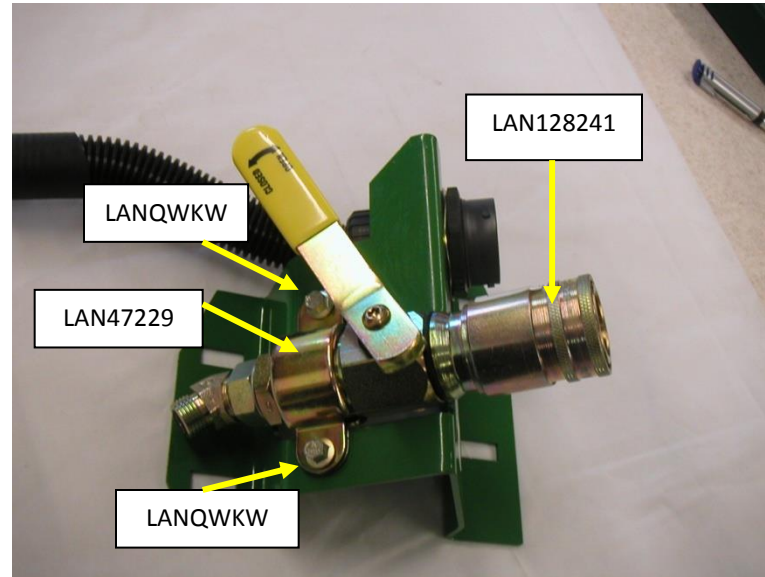


Figure 3.3

**Refer to Figure 3.4**

3.4 Position left bracket (**LAN172176**) as shown with a slight angle alignment. Mark the four mounting holes on the header through the holes on the bracket (**LAN172176**) and drill with an 8MM or 5/16" drill bit. Using 4 carriage bolts (**LAN03M7185**) and three lock nuts (**LAN14M7298**) fasten the bracket to the head.

**If head is equipped with fore/aft controls, (Note: Reel fore/aft control means there were five hydraulic lines going to the multi-coupler block.)**



Figure 3.4



**Refer to Figure 3.5**

3.5 Insert hydraulic fitting (**LANFS680266**) into quick coupler (**LAN128240**). Do not completely tighten fitting at this time as adjustments may be needed.

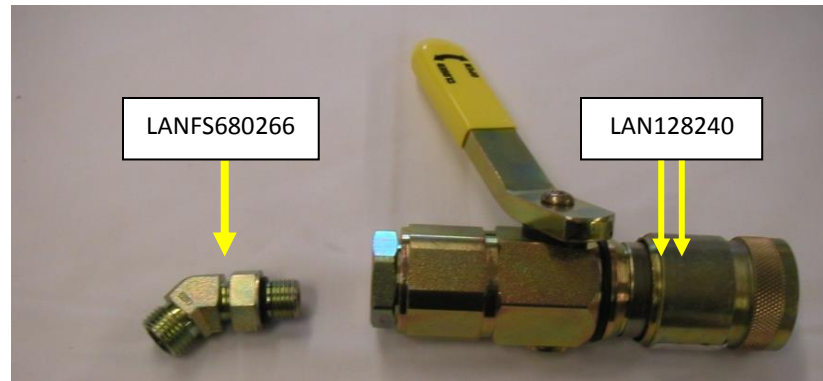


Figure 3.5

**Refer to Figure 3.6**

3.6 Install the small quick coupler (**LAN128240**) to the bracket (**LAN128041**). Retain coupler with two yokes (**LAN47229**), two bolts (**LANQWKW**) and two lock nuts (**LAN14M7303**)

3.7 Attach reel aft hose to coupler and tighten both fittings (**LANFS680268**) and hose swivel fitting.

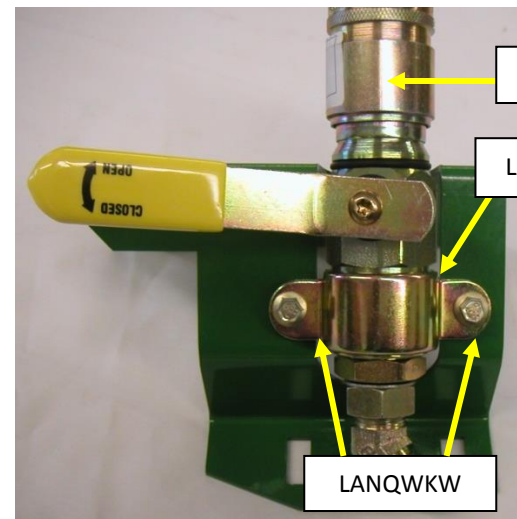


Figure 3.6

**Refer to Figure 3.7**

3.8 Position fore/aft bracket directly below left bracket (**LAN172176**). Mark and drill the holes for the fore/aft bracket (**LAN128041**). Mount the bracket to the head with four carriage bolts (**LAN03M7185**) and four lock nuts (**LAN14M7298**).



Figure 3.7

## 4. Installing right side mounting brackets and couplers.

**Refer to Figure 4.1**

4.1 From top edge of sheet metal measure down  $4 \frac{3}{4}$  inches. From vertical beam, measure over  $6 \frac{1}{4}$  inches and mark.

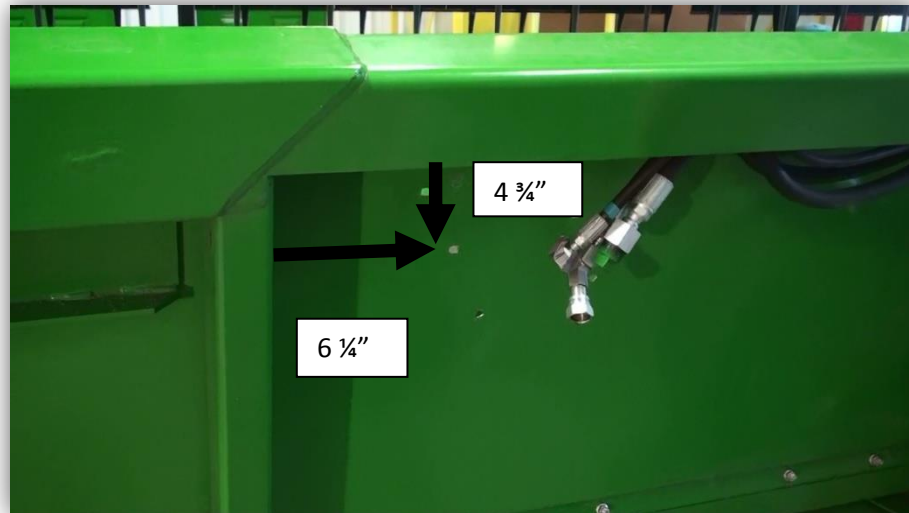
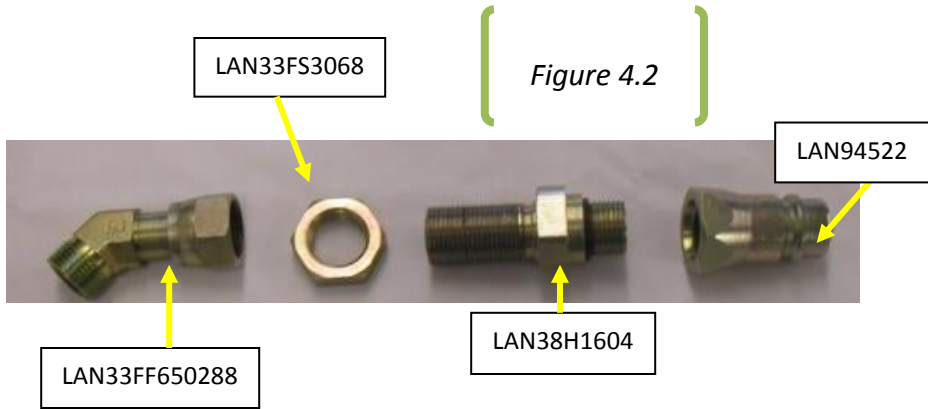


Figure 4.1

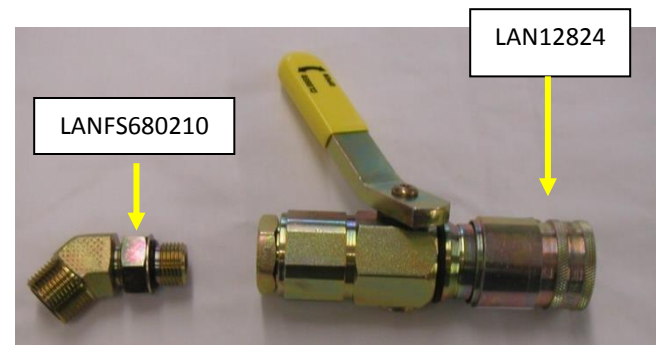
**Refer to Figure 4.2 & 4.3**

4.2 Attach hydraulic fitting (**LAN94522**) to bulkhead fitting (**LAN38H1604**). Place bulkhead fitting through the top hole in bracket (**LAN128039**). Run the nut (**LAN33FS3068**) to hold bulkhead fitting (**LAN38H1604**) in place and attach fitting (**LAN33FF650288**) to the base of bulkhead fitting (**LAN38H1604**). Do not completely tighten fitting.



**Refer to Figure 4.4**

4.3 Install hydraulic fitting (**LANFS68028108**) onto large quick coupler (**LAN128241**). Do not completely tighten fitting (**LANFS68028108**) at this time.



**Refer to Figure 4.5**

4.4 Attach large quick coupler (**LAN128241**) to bracket using two yolks (**LAN47229**), two bolts (**LANQWKW**) and two nuts (**LAN14M7303**).

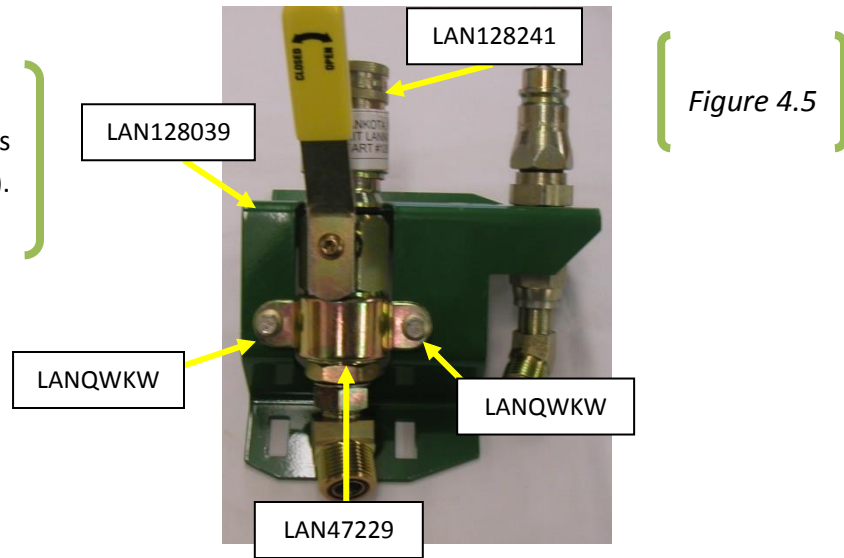


Figure 4.5

**Refer to Figure 4.6**

4.5 Position right bracket (**LAN128039**) as shown with a slight angle alignment.

4.6 Mark the four mounting holes on the header through the holes on the bracket (**LAN128039**) and drill with an 8MM or 5/16" drill bit.

*If head is equipped with reel fore/aft controls, (Note: Reel fore/aft control means there were five hydraulic lines going to the multi-coupler block.)*

4.7 Insert fitting (**LANFS680266**) into small quick coupler (**LAN128240**).



Figure 4.6

**Refer to figure 4.7**

4.8 Insert fitting (**LANFS680266**) into small quick coupler (**LAN128240**).

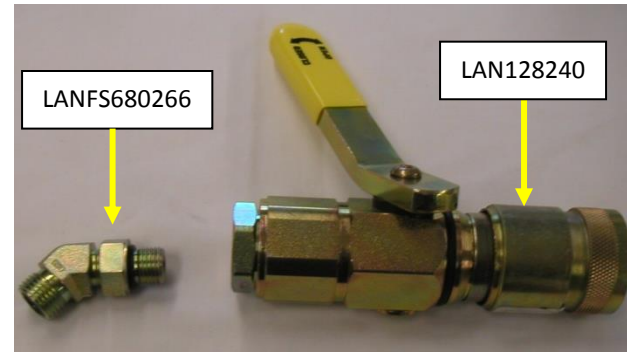
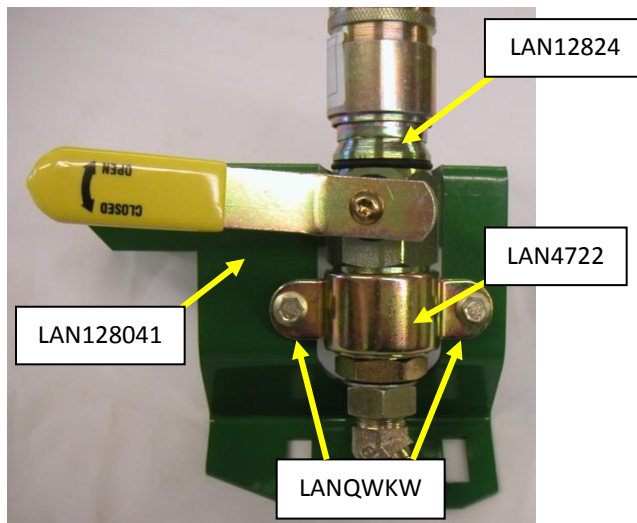


Figure 4.7

Figure 4.8



**Refer to figure 4.8**

4.9 Attach small quick coupler (**LAN128240**) to bracket (**LAN128041**) using two yolks (**LAN47229**), two bolts (**LANQWKW**) and two lock nuts (**LAN14M7303**).



Figure 4.9

**Refer to figure 4.9**

4.10 Attach reel fore hose to fitting and tighten the fitting and the hose. Position bracket, mark holes and drill the holes for the fore/aft bracket (**LAN128041**). Using three carriage bolts (**LAN03M7185**) and three lock nuts (**LAN14M7298**), fasten the bracket to the head. Tie back any extra hose on the right hand side with straps removed earlier.

## 5. Electrical Conversion

### Refer to Figure 5

5.1 Install electrical cable (LAN209735) into top left bracket mount (LAN172176) and retain with washer (LAN2414) and plastic hex nut (LAN2411).

*\*Note the bottom of the electrical cable has a flat spot for the flat side of the bracket.*

5.2 Connect female end of electrical cable (LAN209735) onto male end disconnected from single point connector block earlier. Slide bracket (LAN206290) over both of the cable ends and retain with two provided zip ties (LAN44302).

For further technical information you may contact:

Lankota Inc.  
(866) 526-5682



Figure 5