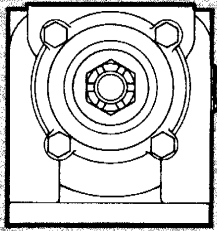
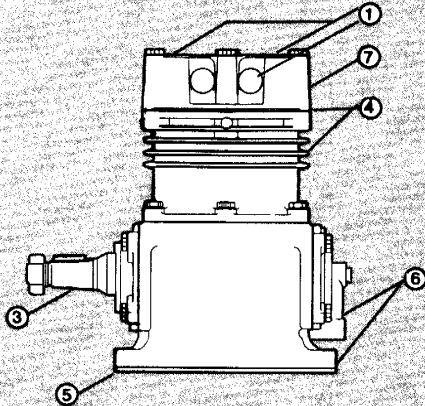


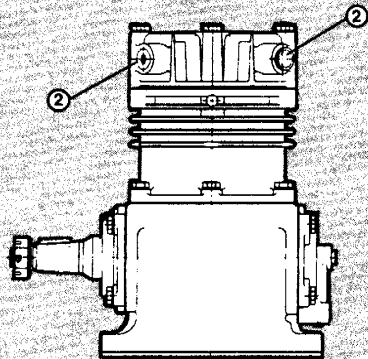
MIDLAND



VERTICAL MOUNT - FOUR HOLE BASE  
AIR COOLED

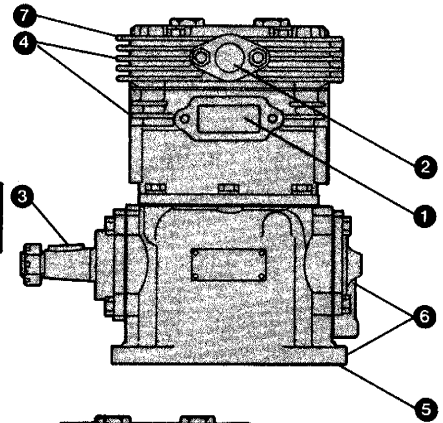
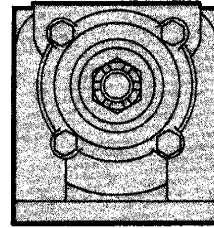


FROM  
EL740  
KNX7000

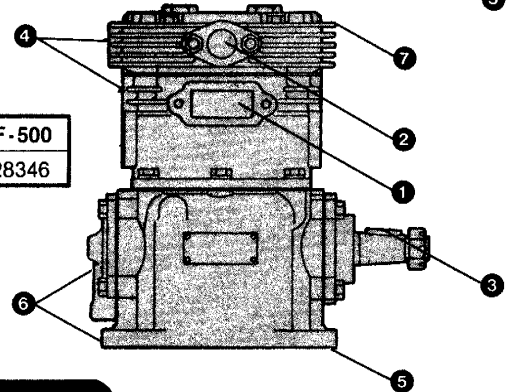


FROM  
EL740  
KNX7000

BENDIX



TO  
TF-400 TF-500  
227406 228344



TO  
TF-400 TF-500  
227407 228346

CHANGEOVER DETAILS  
AND SPECIFICATIONS

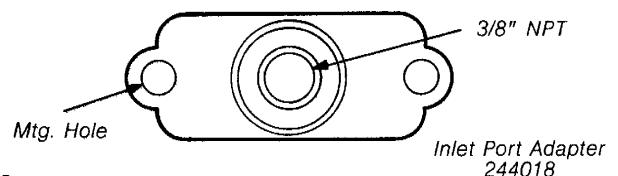
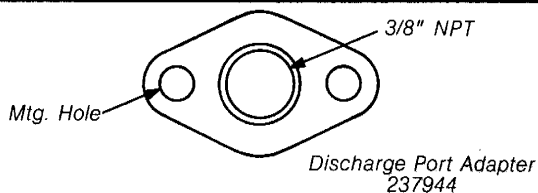
MIDLAND KNX7000

- ① Inlet (2) 3/8 NPT Ports on side of head opposite discharge ports. (2) 3/8 NPT Ports on top of head
- ② Discharge (2) 3/8 NPT Ports on side of head opposite Inlet ports.
- ③ Drive Belt/Pulley
- ④ Cooling Air cooled head and cylinder block.
- ⑤ Mounting 4-Hole Base.
- ⑥ Oil Supply Base and end cover.
- ⑦ Comments Inlet and discharge ports on opposite sides. Head may be rotated to alter location.

BENDIX TU-FLO SERIES

- ① Inlet (1) Non-Threaded Port on side of cylinder block. Use inlet adapter 244018 secured with (2) 5/16-18x1" grade 5 screws.
- ② Discharge (1) Non-Threaded Port on side of head. Use discharge adapter 237944 secured with (2) 5/16-18x1" grade 5 screws.
- ③ Drive Same
- ④ Cooling Same
- ⑤ Mounting Same
- ⑥ Oil Supply Same
- ⑦ Comments Inlet and discharge ports on same side. Head can not be rotated. Choose compressor part no. as required.

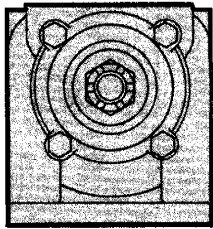
ADAPTERS AND  
MISCELLANEOUS PARTS



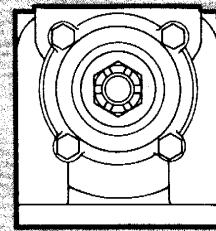
**MIDLAND EL740  
TO  
BENDIX TU-FLO 400, 500**

**COMPRESSOR  
CHANGEOVER CATALOG  
01-MB-3**

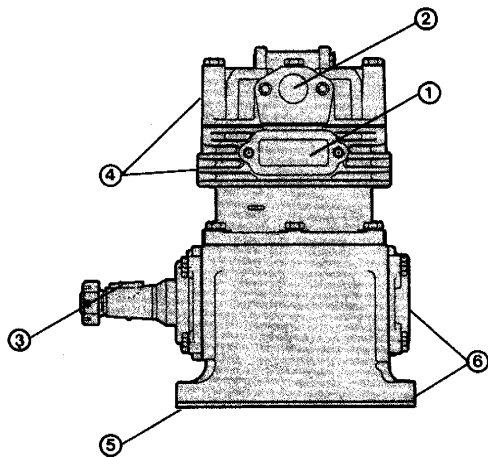
**MIDLAND**



**VERTICAL MOUNT - FOUR HOLE BASE  
AIR COOLED**



**BENDIX**

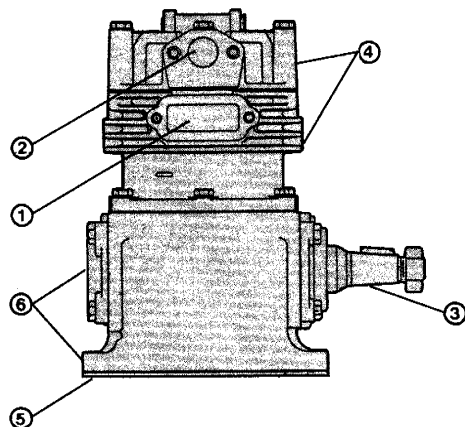
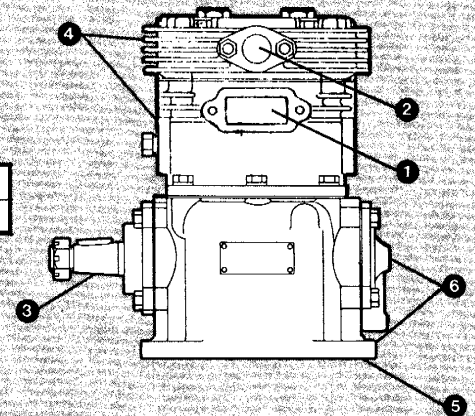


FROM

EL740
KNX7010

TO

TF-400	TF-500
289496	228344

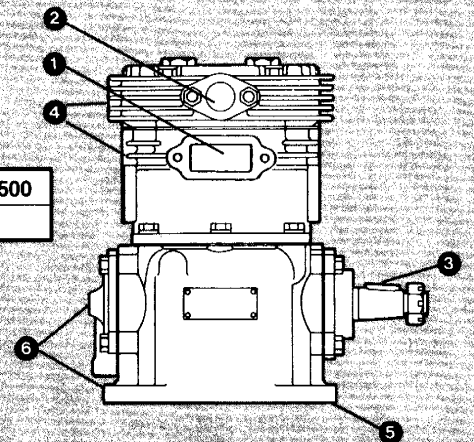


FROM

EL740
KNX7020

TO

TF-400	TF-500
289513	—



**CHANGEOVER DETAILS  
AND SPECIFICATIONS**

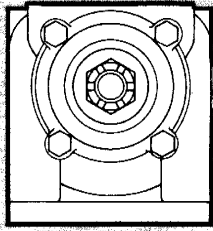
**MIDLAND KNX7010 AND KNX7020**

- ① Inlet (1) Non-Threaded Port on side of cylinder block
- ② Discharge (1) Non-Threaded Port on side of cylinder block
- ③ Drive Belt/Pulley
- ④ Cooling Air cooled head and cylinder block
- ⑤ Mounting 4-Hole Base
- ⑥ Oil Supply Base and end cover
- ⑦ Comments Inlet and discharge ports located on same side.

**BENDIX TU-FLO SERIES**

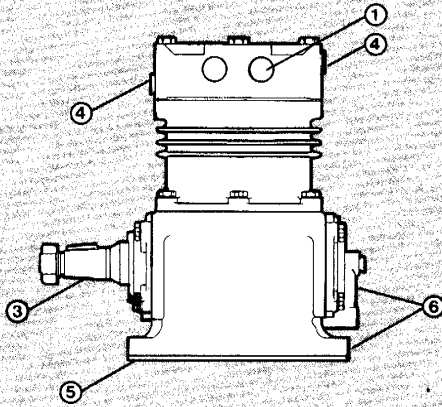
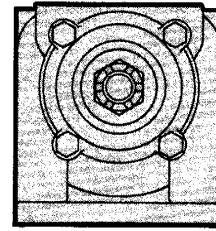
- ① Inlet Same. Reuse existing fitting and hardware.
- ② Discharge Same. Reuse existing fittings & hardware.
- ③ Drive Same
- ④ Cooling Same
- ⑤ Mounting Same
- ⑥ Oil Supply Same
- ⑦ Comments Bendix Tu-Flo 400 and 500 compressors are a direct replacement.

**MIDLAND**



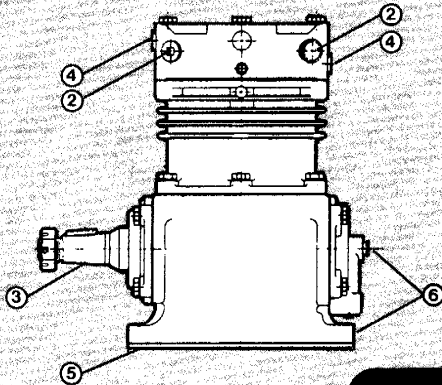
**VERTICAL MOUNT - FOUR HOLE BASE**  
**WATER COOLED HEAD/AIR COOLED BLOCK**

**BENDIX**



**FROM**

<b>EL740</b>	
<b>KNX7030</b>	

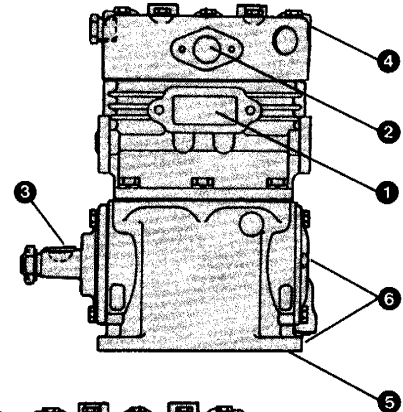


**FROM**

<b>EL740</b>	
<b>KNX7030</b>	

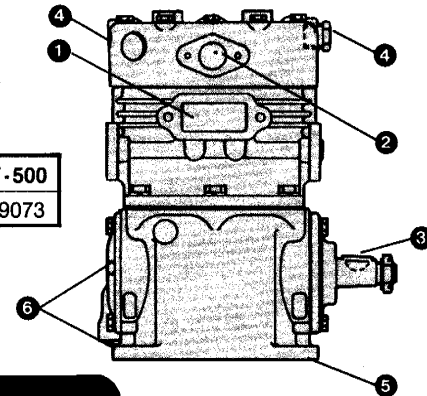
**TO**

<b>TF-400</b>	<b>TF-500</b>
<b>283426</b>	<b>279074</b>



**TO**

<b>TF-400</b>	<b>TF-500</b>
<b>283429</b>	<b>279073</b>



**CHANGEOVER DETAILS**  
**AND SPECIFICATIONS**

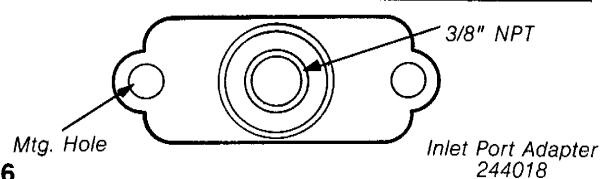
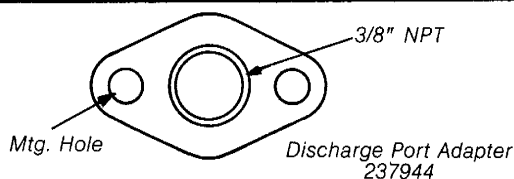
**MIDLAND KNX7030**

- ① **Inlet** (2) 3/8 NPT Ports on side of head opposite discharge ports. (2) 3/8" NPT ports on top of head.
- ② **Discharge** (2) 3/8" NPT located on side of head opposite Inlet ports.
- ③ **Drive** Belt/Pulley
- ④ **Cooling** Water cooled head, air cooled cylinder block.
- ⑤ **Mounting** 4 Hole base
- ⑥ **Oil Supply** Has provision for base and rear end cover.
- ⑦ **Comments** Inlet and discharge ports on opposite sides of head. Head may be rotated to alter inlet or discharge port location.

**BENDIX TU-FLO SERIES**

- ① **Inlet** (1) non threaded port on side of block. Use inlet adapter 244018 secured with (2) 5/16" - 18x1" grade 5 screws.
- ② **Discharge** (1) non threaded port on side of head. Use discharge adapter 237944 secured with (2) 5/16" - 18 x 1" grade 5 screws.
- ③ **Drive** Same
- ④ **Cooling** Same. Connect water lines to opposite ends of cylinder head.
- ⑤ **Mounting** Same
- ⑥ **Oil Supply** Same
- ⑦ **Comments** Inlet and discharge ports on same side. Head may not be rotated. Choose compressor part no. as required.

**ADAPTERS AND**  
**MISCELLANEOUS PARTS**



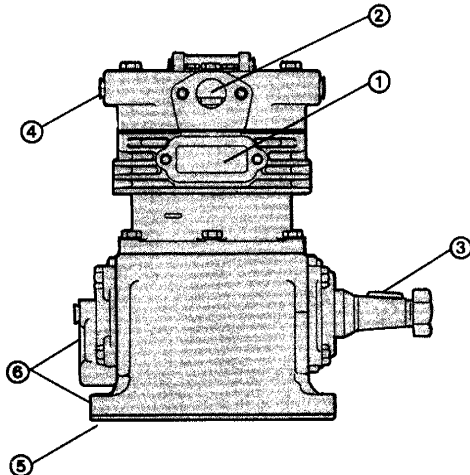
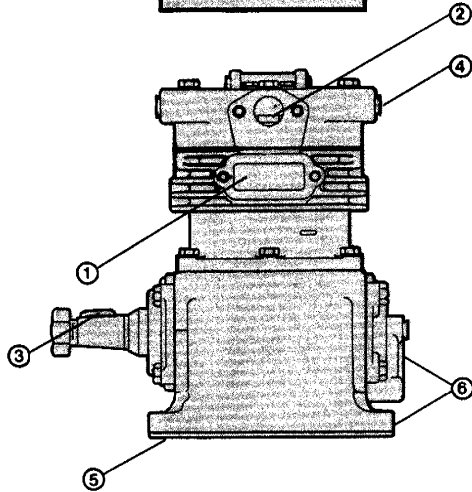
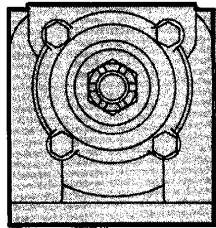
**MIDLAND EL740  
TO  
BENDIX TU-FLO 400, 500**

**COMPRESSOR  
CHANGEOVER**

**CATALOG  
01-MB-5**

**MIDLAND**

**VERTICAL MOUNT - FOUR HOLE BASE  
AIR COOLED**



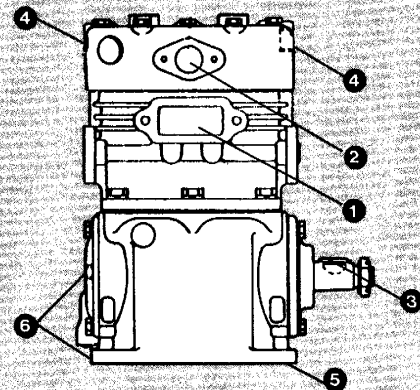
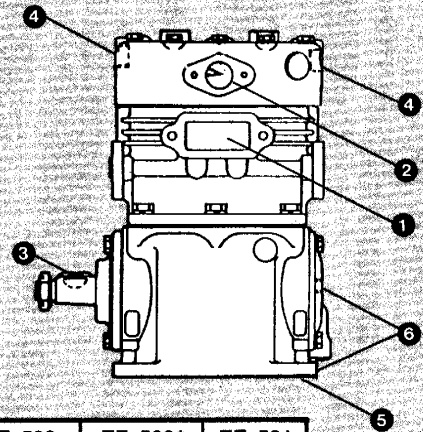
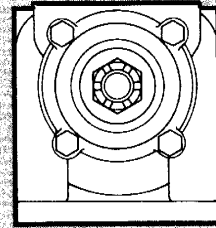
**FROM**

EL740
KNX7040

**FROM**

EL740
KNX7050

**BENDIX**



**TO**

TF-400	TF-500	TF-500*	TF-501
283426	279580	227320	286526

**TO**

TF-400	TF-500	TF-500*	TF-501
283429	279073	227322	286527

\*Has water cooled head and block.  
Water should enter block and exit  
head on opposite end of compressor.

**CHANGEOVER DETAILS  
AND SPECIFICATIONS**

**MIDLAND KNX7040 AND KNX7050**

- ① Inlet (1) Non-Threaded Port on side of cylinder block.
- ② Discharge (1) Non-Threaded Port on side of cylinder block.
- ③ Drive Belt/Pulley
- ④ Cooling Water cooled head/air cooled cylinder block.
- ⑤ Mounting 4-Hole Base
- ⑥ Oil Supply Base and end cover
- ⑦ Comments Inlet and discharge ports located on same side.

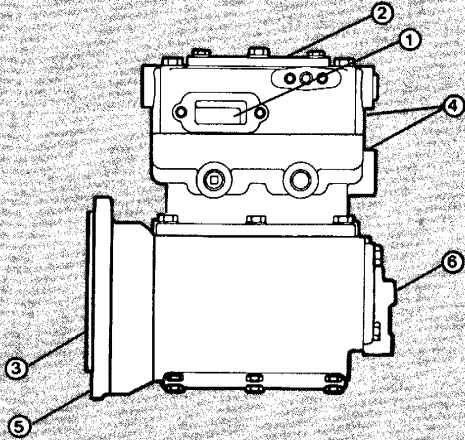
**BENDIX TU-FLO SERIES**

- ① Inlet Same. Reuse existing fitting and hardware.
- ② Discharge Same. Reuse existing fittings and hardware.
- ③ Drive Same
- ④ Cooling Same. Connect water lines to opposite ends of cylinder head.
- ⑤ Mounting Same
- ⑥ Oil Supply Same
- ⑦ Comments Bendix Tu-Flo 400, 500 and 501 compressors are a direct replacement except as noted.

**MIDLAND**

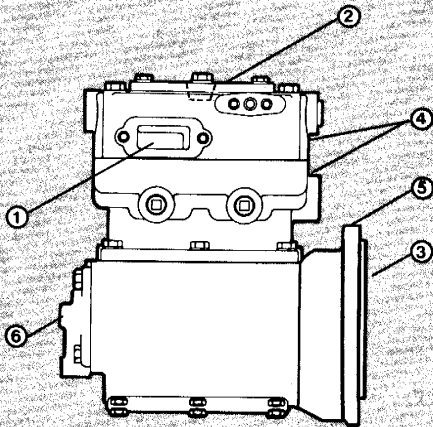
DDAD FLANGE MOUNT  
WATER COOLED

0° TILT DDAD  
MOUNTING FLANGE



FROM

EL1300	EL1300
KNX13050	KNX13070

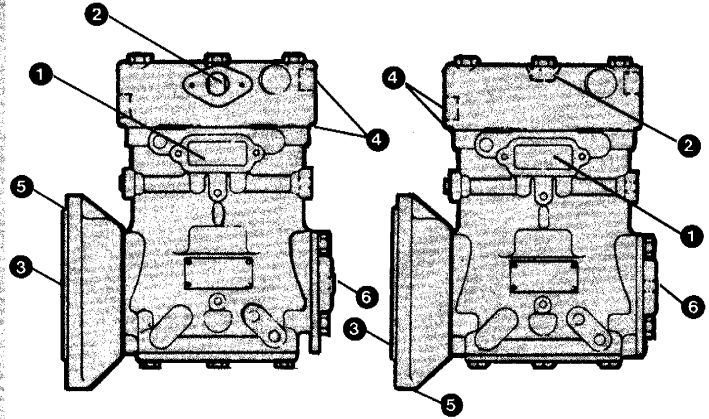
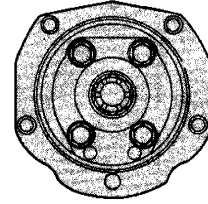


FROM

EL1300	EL1300
KNX13050	KNX13070

**BENDIX**

0° TILT DDAD  
MOUNTING FLANGE



Side Discharge

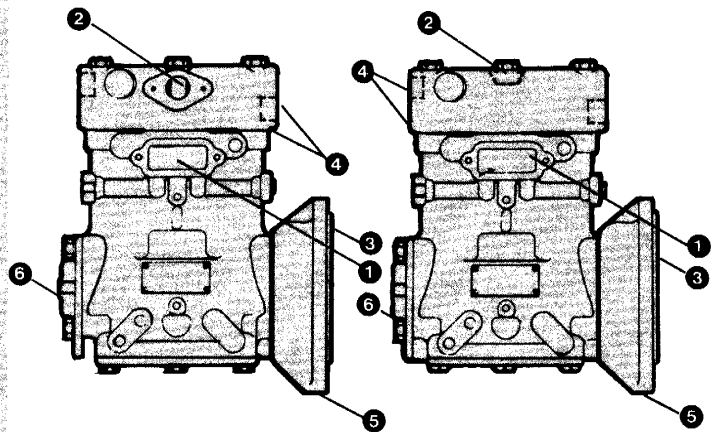
TO

TF-500	TF-501
276961	286538

Top Discharge

TO

TF-500	TF-501	TF-501
280963	286540	286581



Side Discharge

TO

TF-500	TF-501
276962	286539

Top Discharge

TO

TF-500	TF-501
*282928	286541

**MIDLAND EL1300  
TO  
BENDIX TU-FLO 500, 501**

**COMPRESSOR  
CHANGEOVER**

**CATALOG  
01-MB-7**

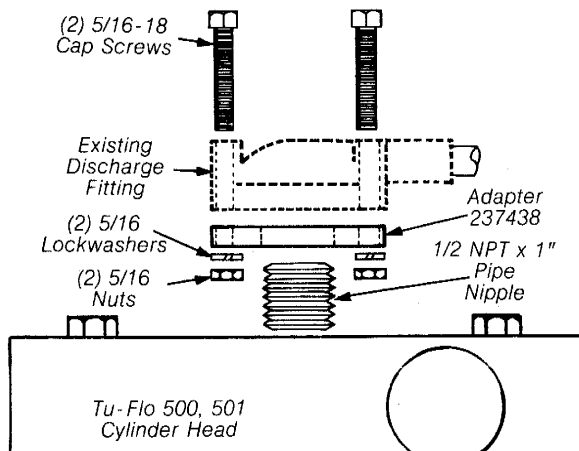
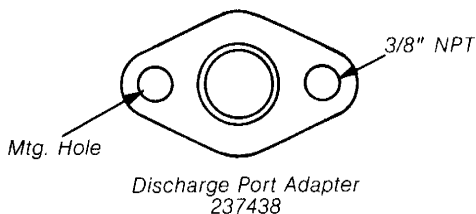
**MIDLAND KNX13050 AND KNX13070**

- ① **Inlet** Flange located on side of cylinder head.
- ② **Discharge** Flange located on top of cylinder head.
- ③ **Drive** Drive gear and coupling
- ④ **Cooling** Water cooled head and cylinder block
- ⑤ **Mounting** 0° DDAD Flange
- ⑥ **Oil Supply** Rear end cover

**BENDIX TU-FLO SERIES**

- ① **Inlet** Same flange but located in block, reuse existing fitting and hardware.
- ② **Discharge** Side discharge: Same flange. Reuse existing fitting and hardware.  
Top discharge: 1/2 NPT located on top of head. Existing fitting may be reused by installing 1/2 NPT x 1" pipe nipple and discharge adapter 237438. See illustration below.
- ③ **Drive** Same. Reuse existing drive gear and coupling if inspection reveals them to be servicable. If necessary replace drive gear with Bendix pc. no. 293903 (metal).
- ④ **Cooling** TF-500: Same. Water should enter block and exit head on opposite end of compressor.  
TF-501: Water cooled head/air cooled block. Water should enter at lowest port on one end of head and exit highest port on opposite end.
- ⑤ **Mounting** Same
- ⑥ **Oil Supply** Same

**ADAPTERS AND  
MISCELLANEOUS PARTS**

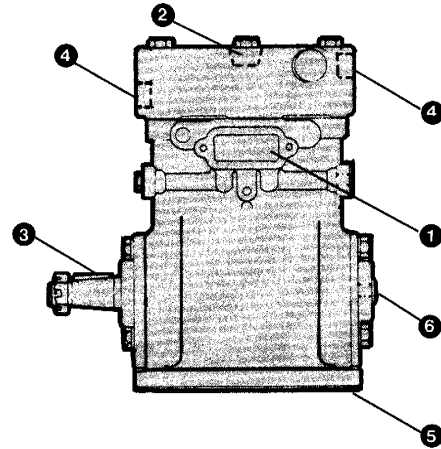
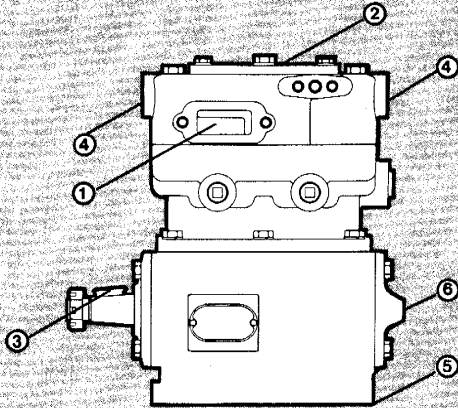
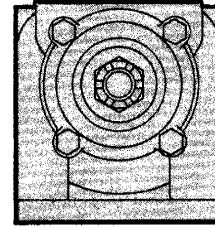
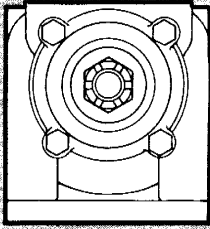


**Conversion for  
Bendix Top Discharge  
Compressors**

MIDLAND

VERTICAL MOUNT - FOUR HOLE BASE  
WATER COOLED

BENDIX



FROM  
EL1300  
KNX13060

TO  
TF-500  
283690

CHANGEOVER DETAILS  
AND SPECIFICATIONS

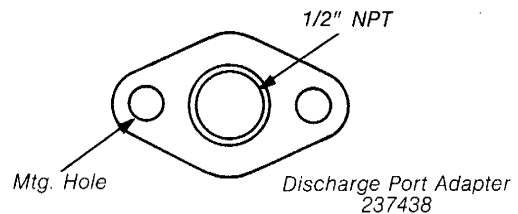
MIDLAND KNX13060

- ① Inlet Flange located on side of cylinder head.
- ② Discharge Flange located on top of cylinder head.
- ③ Drive Belt/Pulley
- ④ Cooling Water cooled head and cylinder block
- ⑤ Mounting 4-hole Base
- ⑥ Oil Supply Rear end cover

BENDIX TU-FLO SERIES

- ① Inlet Same
- ② Discharge 1/2 NPT located on top of head. Existing fitting may be reused by installing 1/2 NPT x 1" pipe nipple and discharge adapter 237438.
- ③ Drive Same
- ④ Cooling Same
- ⑤ Mounting Same
- ⑥ Oil Supply Same

ADAPTERS AND  
MISCELLANEOUS PARTS

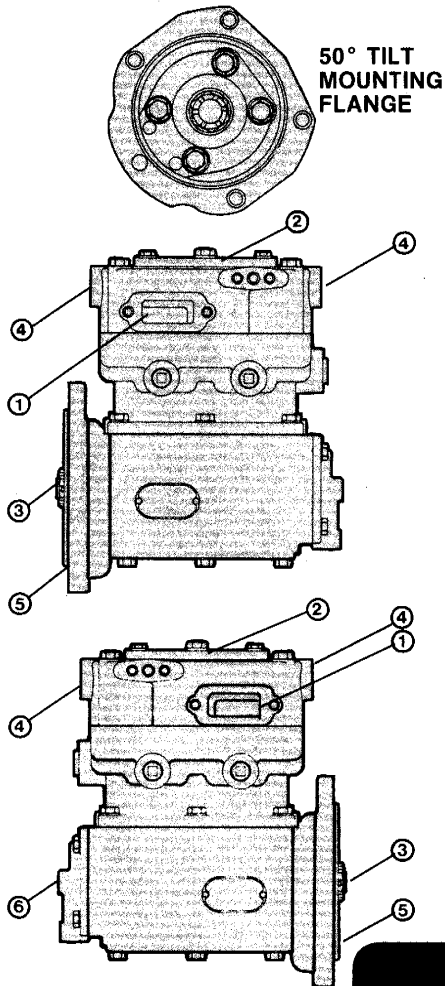


# MIDLAND EL1300 TO BENDIX TU-FLO 500, 501

# COMPRESSOR CHANGEOVER

# CATALOG 01-MB-9

## MIDLAND



## DDAD FLANGE MOUNT

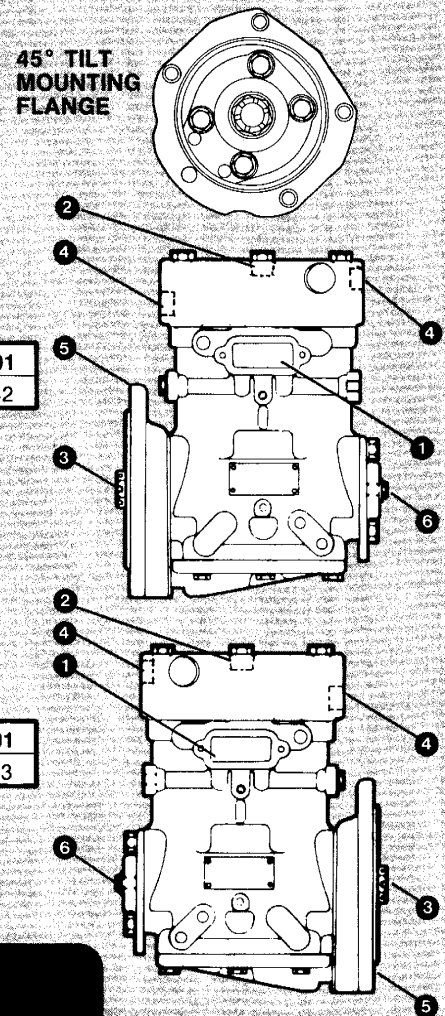
FROM
EL1300
KNX13100

TO	TF-500	TF-501
	281042	286542

FROM
EL1300
KNX13100

TO	TF-500	TF-501
	285252	286543

## BENDIX



## CHANGEOVER DETAILS AND SPECIFICATIONS

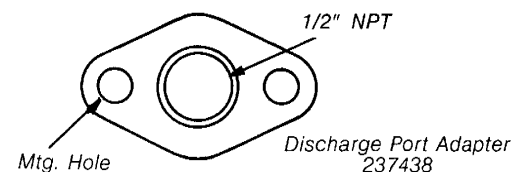
### MIDLAND KNX13100

- ① Inlet Flange located on side of cylinder head.
- ② Discharge Flange located on top of cylinder head.
- ③ Drive Drive gear and coupling
- ④ Cooling Water cooled head and cylinder block
- ⑤ Mounting 50° DDAD Flange
- ⑥ Oil Supply Rear end cover
- ⑦ Comments

### BENDIX TU-FLO SERIES

- ① Inlet Same
- ② Discharge 1/2 NPT located on top of head. Existing fitting may be reused by installing 1/2 NPT x 1" pipe nipple and discharge adapter 237438.
- ③ Drive Same
- ④ Cooling Same
- ⑤ Mounting 45° DDAD Flange
- ⑥ Oil Supply Same
- ⑦ Comments DDAD sleeve and hub can generally be reused.

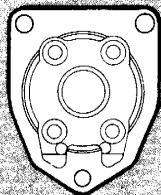
## ADAPTERS AND MISCELLANEOUS PARTS



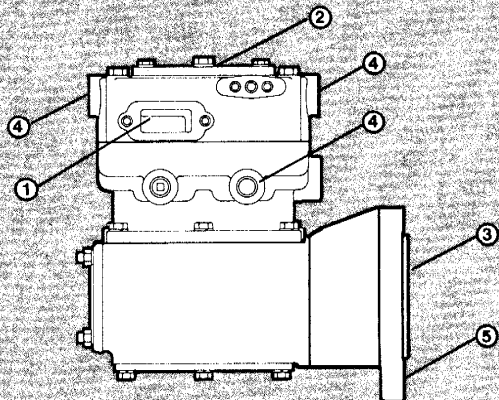
MIDLAND

MACK FLANGE  
MOUNT

BENDIX



0° TILT MACK  
MOUNTING  
FLANGE



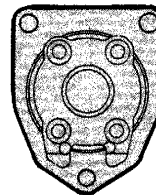
FROM

EL1300
KNX13110

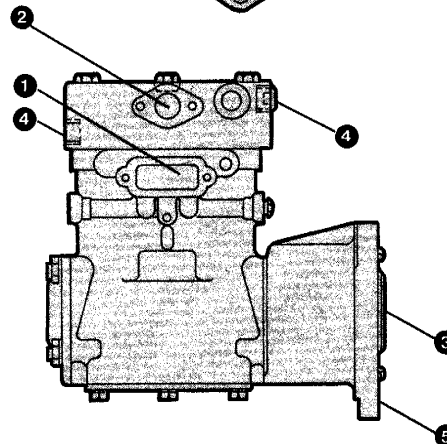
TO

	SIDE DISCHARGE	TOP DISCHARGE
TF-500	284662	—
TF-501	286544	102697*

\*See Figure A and Purchase  
Components Separately



0° TILT MACK  
MOUNTING  
FLANGE



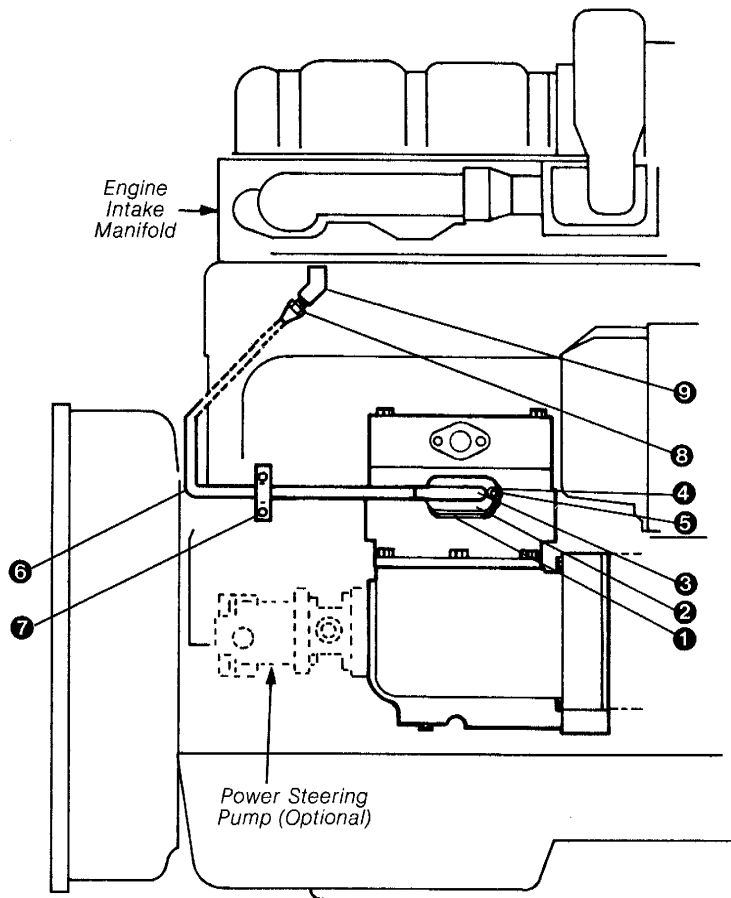
CHANGEOVER DETAILS  
AND SPECIFICATIONS

MIDLAND KNX13110

- ① Inlet Flange type, located on side of head.
- ② Discharge Flange type, located on top center of head.
- ③ Drive Gear driven by engine
- ④ Cooling 1/2" NPT coolant ports in head 1/2" and 3/8" NPT coolant ports in cylinder block. Coolant flow is from cylinder block to head.
- ⑤ Mounting Flange mounted to engine
- ⑥ Oil Supply Oil supply tube between engine and drive end of compressor crankshaft.
- ⑦ Power Steering Power steering pump may be mounted on rear of compressor.

BENDIX TU-FLO SERIES

- ① Inlet Identical Flange with all fittings interchangeable located on side of block. Important: Bendix Compressors installed on Mack inline engines **must** be turbocharged (connected to engine manifold) if Midland Compressor is not turbocharged use Bendix turbocharge kit 260688 (see catalog page 01-MB-11).
- ② Discharge Pc. Nos. 284662 and 286544 have identical flange on side of head. Pc. No. 102697 has 1/2" NPT Port located in top center of head. See adapter and miscellaneous parts on catalog page 01-MB-11 and purchase adapter 237438 and 1/2" NPT x 1" pipe nipple to convert. Alternately A 1/2" NPT x 1/2" NPT street elbow can be installed.
- ③ Drive Identical - may reuse all engine drive components provided they are in serviceable condition.
- ④ Cooling TF-500 may have 1/2" or 3/8" NPT coolant ports in head and 3/8" NPT ports in cylinder block. Coolant flow is identical.  
TF-501 has 1/2" NPT coolant ports in head. Coolant should enter at lowest port on one end of head and exit highest port on opposite end.
- ⑤ Mounting Identical
- ⑥ Oil Supply Identical - reuse oil supply tube if serviceable.
- ⑦ Power Steering All power steering pump drive components may be reinstalled on TF-501. (286544 or 102697) to changeover to TF-500 the following parts **must** be purchased from Mack (1) - drive housing 756GB28 (1) - Coupling hub 792GB17 and (3) - Screws 3AX1772.



**TURBOCHARGE KIT PC. NO.  
260688 CONSISTS OF:**

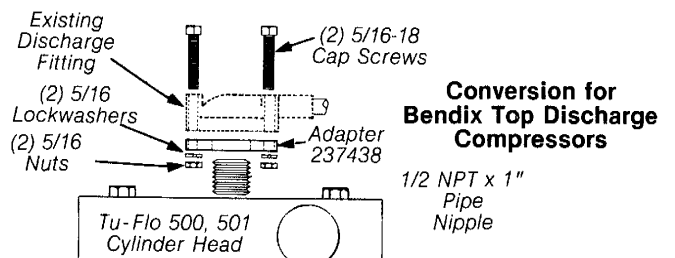
KEY NO.	DESCRIPTION	QUANTITY
1	Compressor Inlet Adapter Gasket	1
2	Compressor Inlet Adapter	1
3	1/2" P.T. x 3/4" Tubing Elbow	1
4	5/16" - 18 x 3/4 Screw	2
5	5/16 Lockwasher	2
6	3/4" O.D. x 40" Long Copper Tubing	1
7	3/4" Tubing Clamp	2
8	1/2" P.T. x 3/4 Tubing Connector	1
9	1/2 P.T. x 45° Street Elbow	1

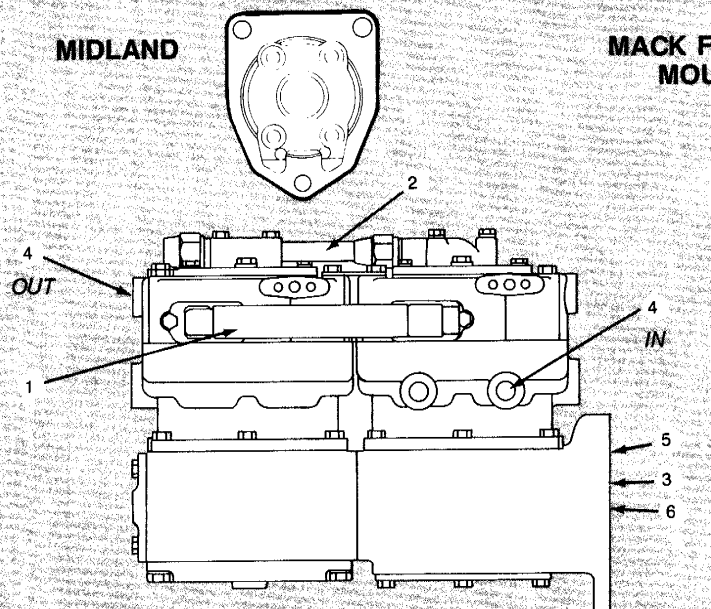
All Tu-Flo 500 and 501 Compressors installed on the Mack inline six engine must have their air inlet connected to the engine intake manifold if the Midland compressor is not turbocharged use turbocharge inlet kit 260688.

**COMPRESSOR TURBOCHARGE INLET KIT INSTALLATION**

- A. Check the bottom rear of the engine's aluminum rear intake manifold for the presence of a tapped hole. If no hole exists, remove the manifold and tap the existing boss to 1/2" NPT. Clean the metal chips out of the manifold and reinstall it on the engine. **NOTE:** If the engine has a sheet metal inlet manifold without a 1/2" NPT ferrule, replace the manifold with the current production aluminum version.
- B. Remove and discard the existing compressor inlet fitting and hose and plug the engine air cleaner ducting.
- C. Install the compressor inlet fitting on the compressor using the gasket, cap screws and lockwashers provided.
- D. Install the 90° 1/2" NPT x 3/4" tubing elbow in the compressor inlet adapter and the 45° street elbow and 1/2 P.T. x 3/4" tubing connector in the tapped port of the engine intake manifold.
- E. Route the 3/4" copper tubing between the engine manifold fitting and the compressor inlet fitting. Make certain not to kink the tubing where bends are necessary.
- F. Secure the copper tubing to the engine using the two tubing clamps provided.

**ADAPTER AND  
MISCELLANEOUS PARTS**

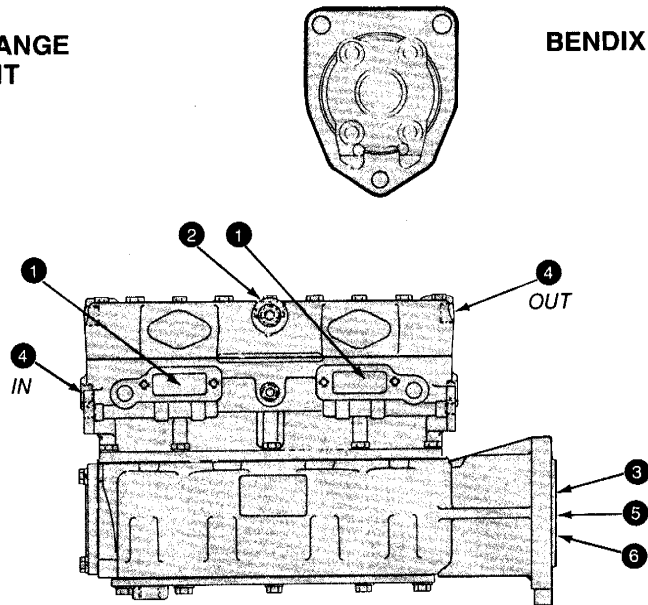




FROM

EL 3200

N7311



TO

TF-1400L

065084

## CHANGEOVER DETAILS AND SPECIFICATIONS

### MIDLAND EL 3200

- 1 **Inlet** Flange type, 2 ports located on side of cylinder head.
- 2 **Discharge** 2 Flange type ports plumbed together on top of head.
- 3 **Drive** Gear driven by engine.
- 4 **Cooling**  $\frac{3}{8}$ -18 NPT water inlet located in block.  $\frac{1}{2}$ -14 NPT water outlet located in head. Coolant enters lowest port and exits highest.
- 5 **Mounting** Flange mounted to engine.
- 6 **Oil Supply** Crankshaft oil feed.
- 7 **Comments** Tandem

### BENDIX TF-1400L

- 1 **Inlet** Identical flanges located on side of cylinder block. All fittings are interchangeable and the connection hose may be cut to length and reused, or Bendix Manifold Pc. No. 297657 may be purchased.
- 2 **Discharge** 1 port, 1-11 $\frac{1}{2}$  NPT located on top of head. A  $\frac{3}{4}$ " I.D. minimum line size is required.
- 3 **Drive** Identical, may reuse all engine drive components provided they are in serviceable condition.
- 4 **Cooling** Port sizes and direction of coolant flow are equivalent, however, port locations differ.
- 5 **Mounting** Identical
- 6 **Oil Supply** Identical
- 7 **Comments** By design the Tu-Flo 1400L is smaller, and has eliminated the potential leakage points of the "tandem" unit.