GEHL®

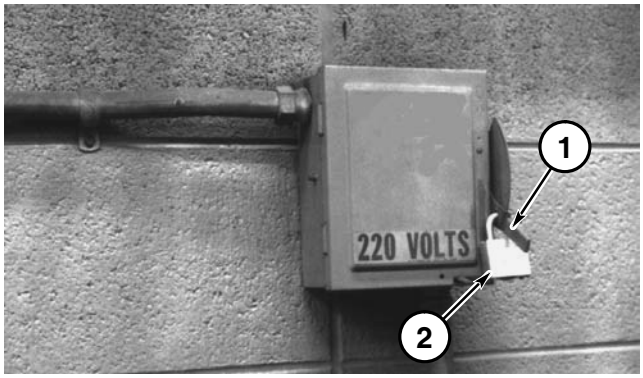
Stationary Unit Supplement to MF7000 Series Mixer Feeder Operator's Manual

This Supplement provides illustrated details for design, installation and operation of a Stationary MF7000 Series Mixer Feeder. This Supplement is to be used in conjunction with the Operator's Manual titled "7000 Series Mixer Feeders".

GENERAL INFORMATION (Fig. 1)

⚠ WARNING

Stationary Mixer Feeder unit installations MUST comply with all rules and guidelines set forth in ANSI/NFPA 70 National Electrical Code. Of major importance, BE SURE to install and wire all electrically-powered devices in accordance with ALL applicable national, state and local codes regarding shielding, overload protection and positive electric power source lock-out to prevent accidental or unintentional application of power to the Mixer Feeder.



1 - Disconnect Handle
2 - Pad lock Securing Handle in "Off" Position

Fig. 1: Electric Power Source Positive Lockout

⚠ CAUTION

BEFORE proceeding to perform any installation, modification or adjustments on this unit, exercise the MANDATORY SAFETY SHUTDOWN PROCEDURE as described in the Mixer Feeder Operator's Manual.

A Stationary Mixer Feeder unit will generally be installed inside an enclosed area like a pole shed or loafing barn and possibly next to a silo or storage bin. In any case, it will most likely be necessary to convey feed to be mixed into and/or mixed feed away from the Mixer Feeder. Electric power, to run the Mixer Feeder and conveyors, should be planned and wired in complete compliance with all applicable local, state and national electrical codes. (Contact your local electrical contractor for additional details.) Refer to the Table provided for specification and 1750 RPM electric motor (purchased locally) sizing information.

Table of Stationary Model Specifications

Characteristic	7210	7285	7335	7435	7500
Empty Unit Weight - lb (kg)	4,600 (2,085)	6,050 (2,745)	6,600 (2,995)	9,800 (4,445)	10,400 (4,720)
1750 RPM Electric Motor - hp (kw)	10 (7.5)	15 (11.25)	20 (15)	25 (18.75)	30 (22.5)
Frame Designation (NEMA)	215T	254T	256T	284T	286T

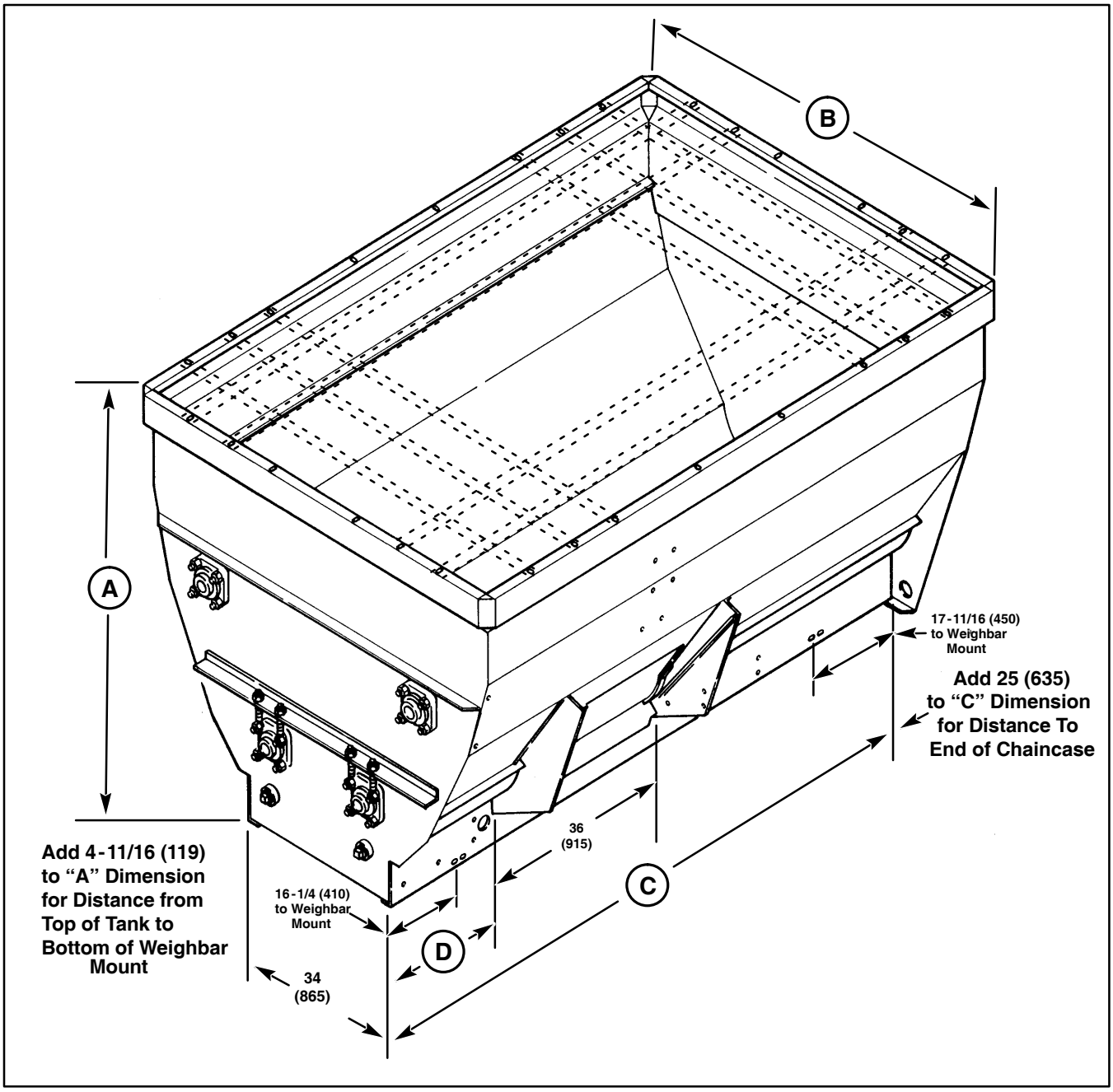


Fig. 2: Unit Dimensions & Mounting Locations in Inches (Millimeters)

Model	7210	7285	7335	7435	7500
"A" Overall Height	69-7/16 (1,765)	77-7/16 (1,965)		80-7/16 (2,045)	
"B" Overall Width	66 (1,675)	80 (2,030)		88 (2,235)	
"C" Box Length	120 (3050)		144 (3,660)	168 (4,265)	192 (4,875)
"D" Door Distance from Front	25 (635)		37 (940)	49 (1.245)	61 (1,550)

ELECTRICAL INFORMATION

7000 Series Stationary Mixer Feeders require electric power to run the Drive Motor, the Discharge Door Control Linear Actuator and the Weigh Scale system.

Drive Motor

Power and voltage phase requirements are dependent on the size Mixer Feeder and the necessary 1750 RPM drive motor selected to operate it. The direction of rotation (when viewed from the shaft end of the motor) for the 7210 Stationary Mixer Feeder MUST be counter-clockwise. The direction of rotation for all models (except the 7210) MUST be clockwise. Refer to the Table of Stationary Model Specifications for the specific size 1750 RPM electric motor required to efficiently operate the Mixer Feeder being installed. In general, two major considerations MUST be made when selecting and purchasing the motor.

CAUTION

1. **The electric motor and wiring MUST be of an explosion-proof, encased design which has been specifically designed to be installed within a confined and potentially dusty area.**
2. **The electric motor Controller MUST also be of the type which requires a manual restarting sequence (magnetic starter), in the event of power loss or outage.**

Discharge Door Linear Actuator & Control

All Stationary Mixer Feeders are furnished with a 115 volt AC, single phase Linear Actuator to regulate the position of the Discharge Door.

Weigh Scale System

All Stationary Mixer Feeders are furnished with a 12 volt DC, Weigh Scale system. Power for the Scale system is obtained from a separate 115 volt AC to 12 volt DC Power Converter which is provided with all Stationary units.

SET-UP & ASSEMBLY

General Information

All references, made in this set-up & assembly instruction are in consideration of standing behind the Stationary Mixer Feeder and facing the large Drive Shield and Chaincase at the rear of the unit. From this position, the Discharge Door and Linear Control Actuator is on the left front side. When determining and designing the permanent mounting location, BE SURE to consider space allocations for the incoming and outgoing feed conveyors, as required. Stationary Mixer Feeders may be mounted directly onto a concrete base or on top of field fabricated support stands of adequate strength to carry the loaded weight of the particular model unit being installed. These instructions are developed in consideration of the unit being installed directly on the floor.

NOTE: *The following abbreviations are used in these instructions:*

CB - *Carriage Bolt*

CS - *Cap Screw (Hexagon Head)*

RHMS - Round Head Machine Screw

STS - Self-tapping Screw

L - *Lock (Washer)*

FLN - *Flanged Lock Nut (Hexagon)*

LN - *Lock Nut (Hexagon)*

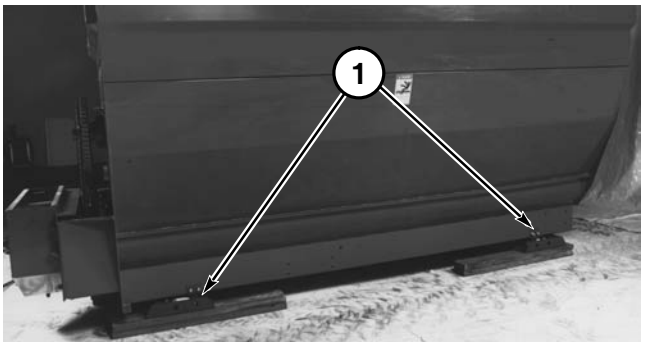
N - *Nut (Hexagon)*

P - *Plain (Washer)*

Mixer Feeder Location & Mounting

1. From the dimensional information provided in Fig. 2, determine the desired location and required mounting dimensions. BE SURE that the Mixer Feeder is nearly level, after it is installed. In addition, BE SURE to take into account the space requirements for conveying mixed rations away from the Mixer Feeder Discharge Opening.

Weighbar Location & Mounting (Figs. 2, 3 & 4)



1 - Weighbar Positioned so that End Faces Out Away from Center of Mixer Feeder

Fig. 3: Right Side View of Stationary Mixer Feeder

2. Properly position the Weighbar and Lower Mount assembly so that the end of the Weighbar, which is pinned to the Mount Base, points outward and away from the center of the Mixer Feeder as shown in Fig. 3. Link the Weighbar to the Weighbar Mount Bracket with the 5/8 Quick Pin.

NOTE: *The Scale Weighbars MUST be attached to the Mixer Feeder Frame before the unit is positioned and anchored.*

3. Carefully raise and properly block the Mixer Feeder off the floor to allow adequate room for attaching the Weighbars and mounts and for routing the Weighbar Cords.

⚠ CAUTION

When lifting the Mixer Feeder, make sure the hoist or forklift can safely raise and support the weight of the unit; refer to the Specifications Table for specific model weights. ALWAYS use blocks under all four corners of the unit while it is suspended or raised.

4. With the Mixer Feeder raised and adequately blocked-up, properly position, attach and tightly secure the Weighbar Mount Bracket to the predrilled holes in the Mixer Frame using (2 each) 1/2 x 1-1/2 CS, L, N and 4P.

5. Properly position and preassemble the Weighbar into the Lower Mount and secure it with the 3/4 Quick Pin provided. Make sure that the Weighbar Cord is free to be passed through one of the rear 1-1/2 holes in the Lower Mount.

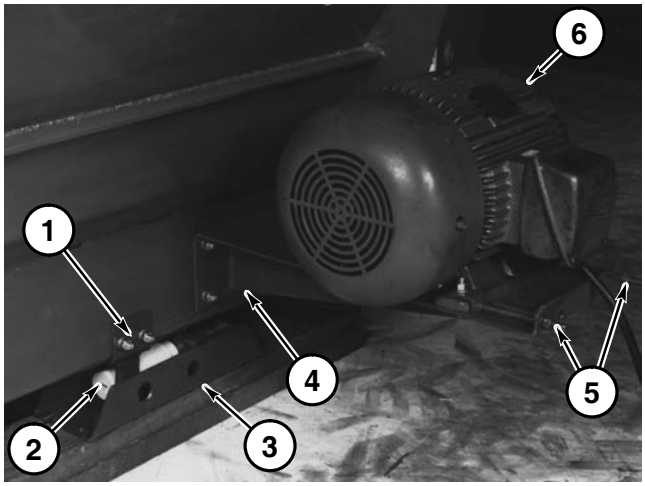
NOTE: *When properly positioned, the "Arrow" on the Weighbar MUST point "down", in the direction of Weighbar deflection.*

6. Repeat steps 3, 4 and 5 for the remaining three (3) Weighbars.

7. After all four Weighbars are attached to the Mixer Feeder Frame, route the Cords under the Frame and through the Access Hole at the front of the unit. Using Cable Clips, anchor the Cords to the inner edge of the Mixer Feeder Frame.

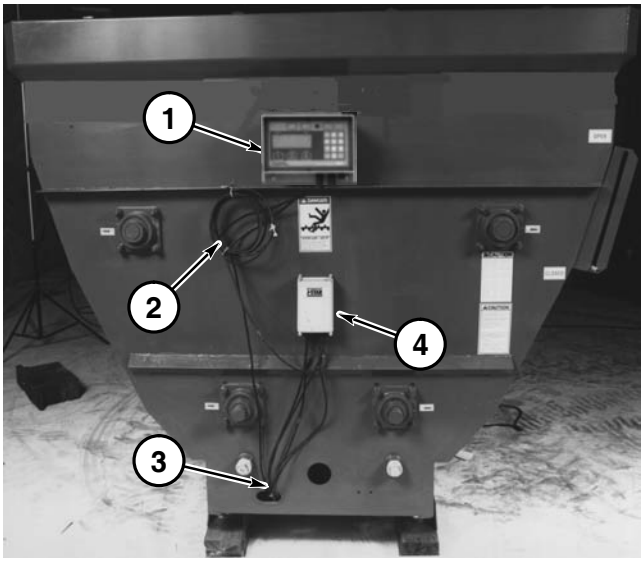
8. After the Weighbars are properly installed and the Cords routed and anchored, carefully lower the Mixer Feeder onto the floor and mark all four Lower Mount hole positions.

9. Carefully raise and properly block the Mixer Feeder off the floor to allow adequate room for installing the Lower Mount 1/2" diameter anchor bolts (NOT provided) into the concrete. After all anchor bolts are installed, lower the unit and secure it to the floor.



1 - Weighbar Mount Bracket Secured with (2 each) 1/2 x 1-1/2 CS, L, N and 4P.
2 - Weighbar Anchored to Weighbar Mount Bracket with a 5/8" Diameter Pin and to the Lower Mount with a 3/4" Diameter Pin
3 - Lower Mount
4 - Motor Mount (All Models Except 7210) Secured to Left Rear Corner of Mixer Feeder Frame with (4 each) 1/2 x 1-1/4 CS, N and L.
5 - Take-up
6 - Field Supplied 1750 RPM electric motor

Fig. 4



1 - Scale Indicator
2 - Excess Load Cell and Power Cords
3 - Weighbar Cords Routed Through Access Hole
4 - Junction Box

Fig. 5

Junction Box & Indicator Mounting (Figs. 5 & 6)

10. On the front of the Mixer Feeder Box or in another convenient location, select the desired Junction Box mounting location and, using the Mounting Plate as a template, locate and drill (4) 5/32" diameter holes for attaching the Mounting Plate. Attach the Box and Plate with appropriate hardware

11. Remove and retain the Junction Box Cover and attaching hardware.

12. Remove the Compression-type Nuts from the four weather-proof Bulkhead Connectors.

NOTE: *All of the Weighbar Cords MUST remain at their original factory-provided lengths and NOT be shortened; loop and anchor, out of the way, any excess Cord.*

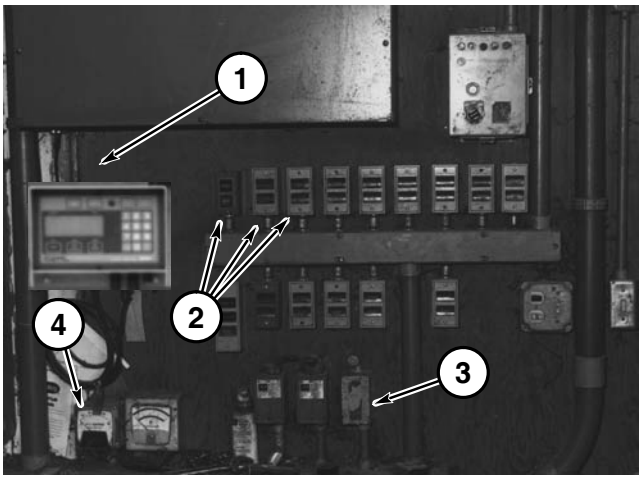
13. Place a Nut onto one of the four Weighbar Cords and route Cord through the Bulkhead Connector and into the Junction Box. Then, strip-off coating from ends of the five leads and attach each lead to the appropriate color-coded terminal. BE SURE to connect all five leads, from one Weighbar Cord, to same Terminal Block. After all five leads are connected, tighten the Compression-type Nut to form a weather-proof seal.

14. Make the remaining three Weighbar Cord connections into the Junction Box in the same manner described in the preceding step..

15. Replace and resecure the Junction Box Cover.

16. Select the desired Scale Indicator mounting location on the front or side of the unit or, on a field-provided control panel within close proximity of the unit.

17. Attach the Indicator Mounting Bracket to the Mixer Feeder or a control panel with (4 each) 1/4 x 1/2 CS, L and N. Then, mount the Scale Indicator on the Mounting Bracket with (2 each) #10-24 x 5/8 RHMS and N.



1 - Scale Indicator Attached with Indicator Mounting Bracket
2 - Incoming and Outgoing Conveyor Control Switches
3 - Discharge Control Linear Actuator Reversing Switch
4 - Conveyor Motor Current Monitor (Ammeter)

Fig. 6: Typical Remote Control Panel

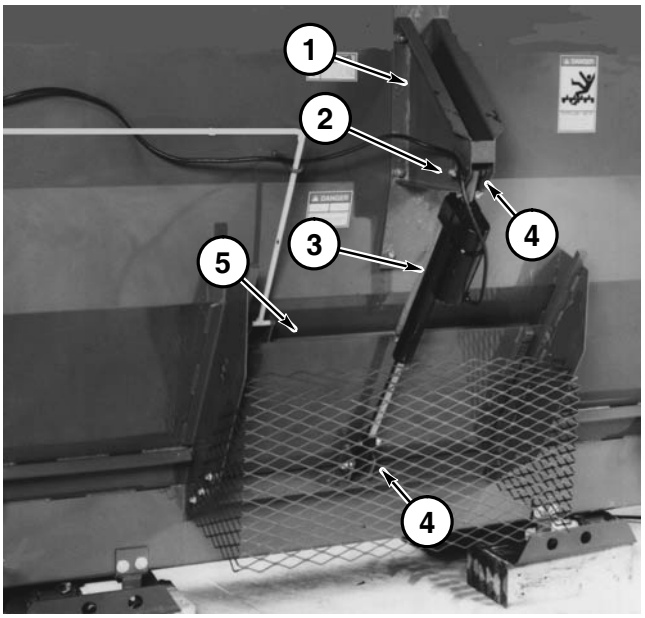
18. Place the Power Converter within close proximity of the Scale Indicator. Then, connect the red (+) Power Cord lead to positive (+) and the black (-) Power Cord lead to negative (-) terminals on the Power Converter.

NOTE: *Only two wires {the red (+) and the black (-)} of the four-wire Power Cord are used to make the Power Converter connections.*

19. Hookup the Power Cord Plug (from Power Converter) to the Jack labeled "Power" on Indicator and turn on power to the Power Converter. Hookup the Load Cell Cord Plug (from Junction Box) to the Jack labeled "Load Cell" on the Indicator. Refer to Indicator Operator's Manual, turn on the Indicator and test its operation.

Discharge Door Control Linear Electric Actuator Mounting (Fig. 6, 7, 8 & 9)

All Stationary Mixer Feeders are furnished with a 115 volt AC, single phase Linear Actuator. To mount the Actuator, proceed as follows:



1 - Mount Bracket
2 - 1/2 x 3-1/2 CS, LN and Two (2) 1/2 P
3 - 115 volt A.C.-powered Linear Actuator
4 - Bushings (2)
5 - Discharge Door

Fig. 7: Typical Actuator Mounting

20. Properly position and attach the Couplers (slit end onto Actuator) to both ends of the Actuator using a 1/2 x 2 CS and LN.

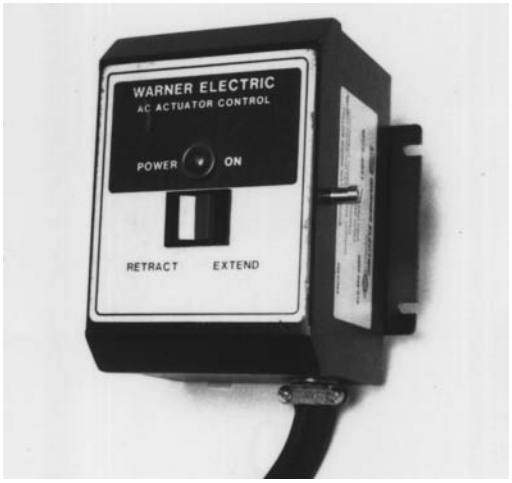
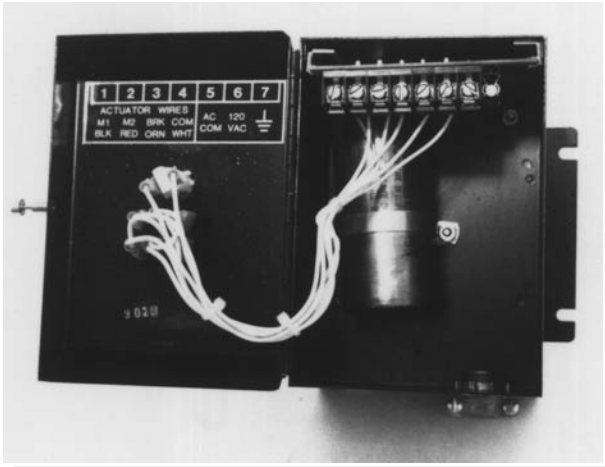
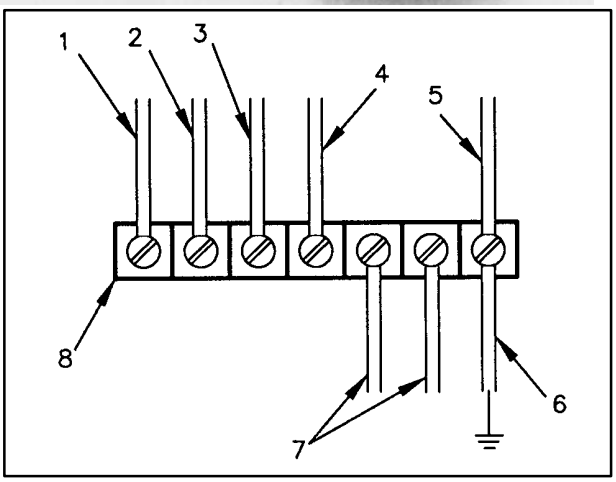


Fig. 8: Actuator Control Box

21. Properly position and install the anchor end of the Actuator into the Mount Bracket. Place a P onto one (of the 2) 1/2 x 3-1/2 CS and insert the CS into the Bracket. Pass the CS through a Bushing, the Coupler, another Bushing and the other side of the Bracket. Attach the CS with another P and LN. BE SURE the Actuator is free to pivot.

22. Select the desired AC Actuator Control Box mounting location on the Mixer Feeder or on a field-provided control panel (Fig. 6) within close proximity of the Mixer Feeder. Refer to the wiring diagram provided (Fig. 9) and make the appropriate wiring connections between the AC power source, the AC Actuator Control Box and the Actuator.





1 - Black Wire from Actuator
2 - Red Wire from Actuator
3 - NOT Used
4 - White Wire from Actuator
5 - Actuator Ground Wire
6 - A.C. Power Ground
7 - A.C. Power
8 - Control Box Terminal

Fig. 9: Wiring Terminal Connections Inside Actuator Control Box

23. Temporarily apply power and extend the Actuator Shaft until the hole in the Lower Coupler lines-up with the mounting holes on the Discharge Door.

Then, remove power and proceed to attach the Lower Coupler to the Door. Place a P onto the other 1/2 x 3-1/2 CS and insert the CS into the Bracket. Pass the CS through a Bushing, the Lower Coupler, another Bushing and the other side of the Bracket. Attach the CS with another P and LN. BE SURE the Actuator is free to pivot.

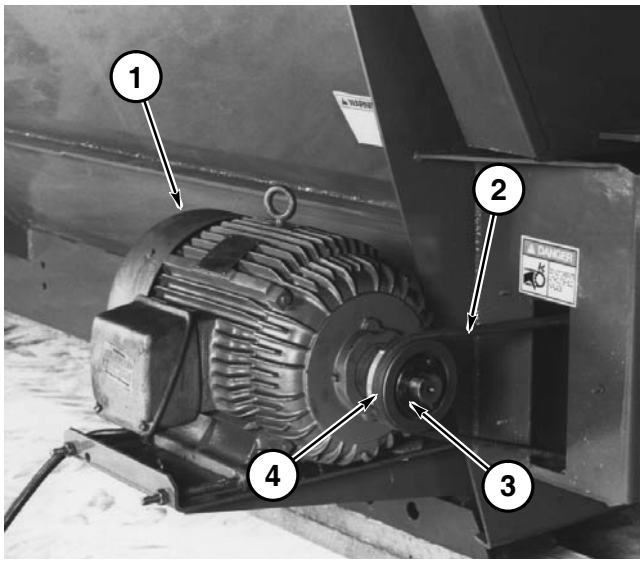
Drive Motor Mounting

The drive motor MUST be properly sized and mounted in the appropriate location, to match the model Mixer Feeder being installed.

All Models Except 7210 (Figs. 10 & 11 and see Fig. 4 & Appropriate Exploded-view Drawing and Associated Parts List)

On all model Stationary Mixer Feeders, except the 7210, the electric drive motor is mounted on a Motor Mount which is attached at the left rear corner of the Mixer Feeder Frame. To install the motor and Drive components, proceed as follows:

24. Properly position and tightly secure the Motor Mount to the pre-drilled holes in the Mixer Feeder Frame using (4 each) 1/2 x 1-1/4 CS, L and N.

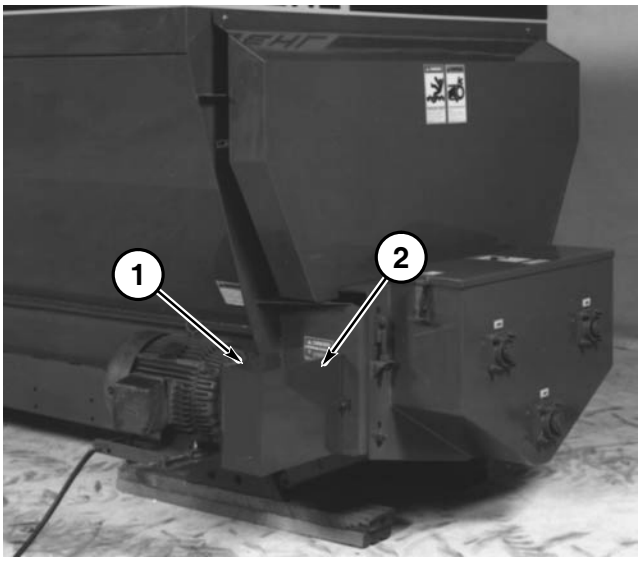


1 - 1750 RPM electric motor
2 - V-Belt
3 - QD Bushing
4 - Motor Drive Sheave

Fig. 10

25. Referring to the exploded-view drawing provided, properly position and loosely attach the electric motor to the Motor Mount using (4 each) 1/2 x 2-1/4 CS, P, L and N, (2) Adjustment Rods and (4) 1/2 N.

26. Place the Drive Sheave onto the motor shaft. Then, install the appropriate QD Bushing onto the motor shaft with the key supplied with the motor. Loosely attach the Sheave to the Bushing with the three (3) Bolts in the Bushing.



1 - Drive Belt Shield (Secured with Three 1/4 N)
2 - 1/4 x 1 CS & N (1 each of 3)

Fig. 11

27. Place the Driven Sheave onto the Chaincase Shaft. Then, install the appropriate QD Bushing onto the Shaft with the 3/8 Square Key provided. Loosely attach the Sheave to the Bushing with the three (3) Bolts in the Bushing.

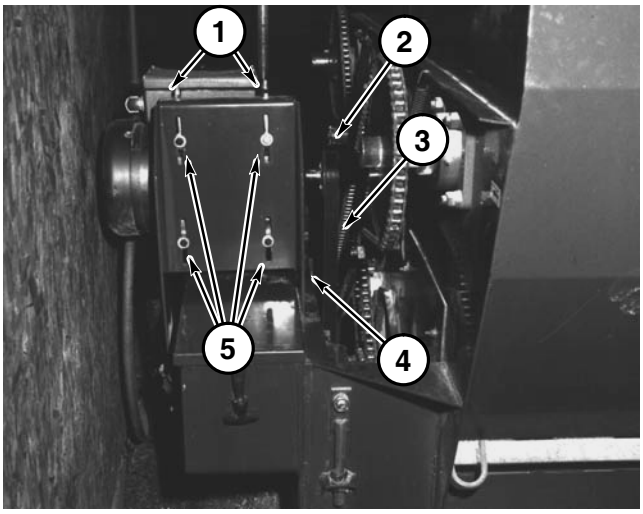
28. Properly align the Drive and Driven Sheaves and tighten the attaching hardware.

29. Install the V-Belt over the Sheaves and, using the Adjustment Rods, apply proper operating tension to the Belt. Proper tension is obtained when there is about 1/2" of Belt deflection midway between the Sheaves. Then, tightly secure all mounting hardware.

30. Install a 1/4 x 1 CS (with head to the inside) through each of the three (3) Shield mounting holes in the Frame and secure each CS with a 1/4 N. Place the Shield over the (3) CS and attach it with (3) 1/4 N.

7210 Model Only (Figs. 12 & 13 and see Appropriate Exploded-view Drawing and Associated Parts List)

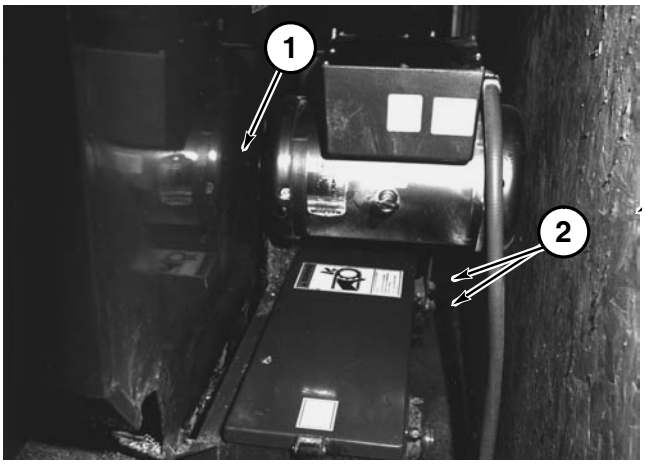
On the 7210 model Stationary Mixer Feeder, the electric drive motor is mounted on a Motor Mount which is attached above Chaincase. To install the motor and Drive components, proceed as follows:



1 - Adjustment Rods & (4) 3/8 N
2 - Drive Sheave & Split-taper Bushing
3 - V-Belt
4 - 5/16 x 1-1/4 CS, P, L & N (1 of 2)
5 - (4 each) 5/16 x 1-1/4 CS, P, L and N

Fig. 12

31. Remove and retain the large Rear Shield and attaching hardware.
32. Properly position and attach the Motor Mount to the existing top two 1/2 Bolts, which secure the right Bearing, and to the two (2) slotted holes in the front wall of the Chaincase. Tightly secure the back of the Mount with (2 each) 1/2 P, L and N and the front of the Mount with (2 each) 5/16 x 1-1/4 CS, P, L and N.
33. Referring to the exploded-view drawing, properly position and loosely attach electric motor to the Motor Mount using (4 each) 5/16 x 1-1/4 CS, P, L and N, two (2) Adjustment Rods and (4) 3/8 N.
34. Place the Drive Sheave onto the motor shaft. Then, install the appropriate Split-taper Bushing onto the motor shaft with the Key supplied with the motor. Loosely attach the Sheave to the Split-taper Bushing with the three (3) Bolts in the Bushing.
35. Place the Driven Sheave onto the Chaincase Shaft. Then, install the appropriate Split-taper Bushing onto the Shaft with the 5/16 Square Key provided. Loosely attach the Sheave to the Split-taper Bushing with the three (3) Bolts in the Bushing.
36. Properly align the Drive and Driven Sheaves and tighten the attaching hardware.



1 - Slot in Large Rear Shield
2 - (2 each) 1/2 P, L and N

Fig. 13

37. Install the V-Belt over the Sheaves and, using the Adjustment Rods, apply proper operating tension to the Belt. Proper tension is obtained when there is about 1/2" of Belt deflection midway between the Sheaves. Then, tightly secure all mounting hardware.
38. Using the hardware provided, install and secure the large Rear Shield, with cutout.

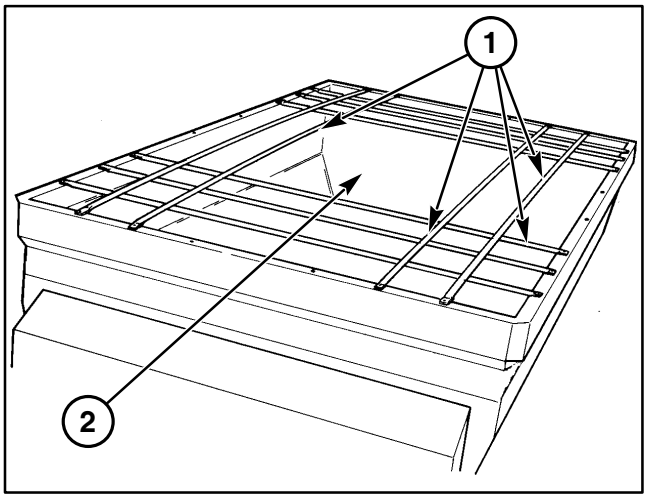
Wiring

WARNING

Stationary Mixer Feeder electrical wiring MUST comply with all rules and guidelines set forth in ANSI/NFPA 70 National Electrical Code and all electrically-powered devices MUST be wired in accordance with ALL applicable national, state and local codes regarding shielding, overload protection and positive electric power source lock-outs.

NOTE: *The Mixer Feeder Electric power MUST be wired in complete compliance with all applicable local, state and national electrical codes. Contact your local electrical contractor for additional*

details. BE SURE wiring provides proper motor shaft rotation.



1 - Repositionable Bars
2 - Enlarged Center Opening

Fig. 14: Repositionable Steel Bar Grate

REPOSITIONABLE STEEL BAR GRATES (Fig. 14)

The Steel Bar Grates, on top of the Stationary Mixer Feeder, are provided to help prevent accidentally falling into the top of the unit. The Bars can be repositioned, as shown, to create a center opening for putting in bulky materials. Additional mounting holes are provided for selection of alternate Bar locations.

OPERATION

General

As a Stationary unit, the functions of the Mixer Feeder are the same as explained in the MF7000 Series Operator's Manual, with the exception of Discharge Conveyor related information. Understanding that power to operate the Mixer Feeder is from an electric motor, starting or stopping the unit is controlled by the appropriate electric switching device.

Loading

While loading Mixer Feeder, if material is being slowly conveyed-in, the unit should NOT be running until the Box is nearly full. If a large amount of material is being dumped in by a loader bucket, the Mixer Feeder should be running while the material is added.

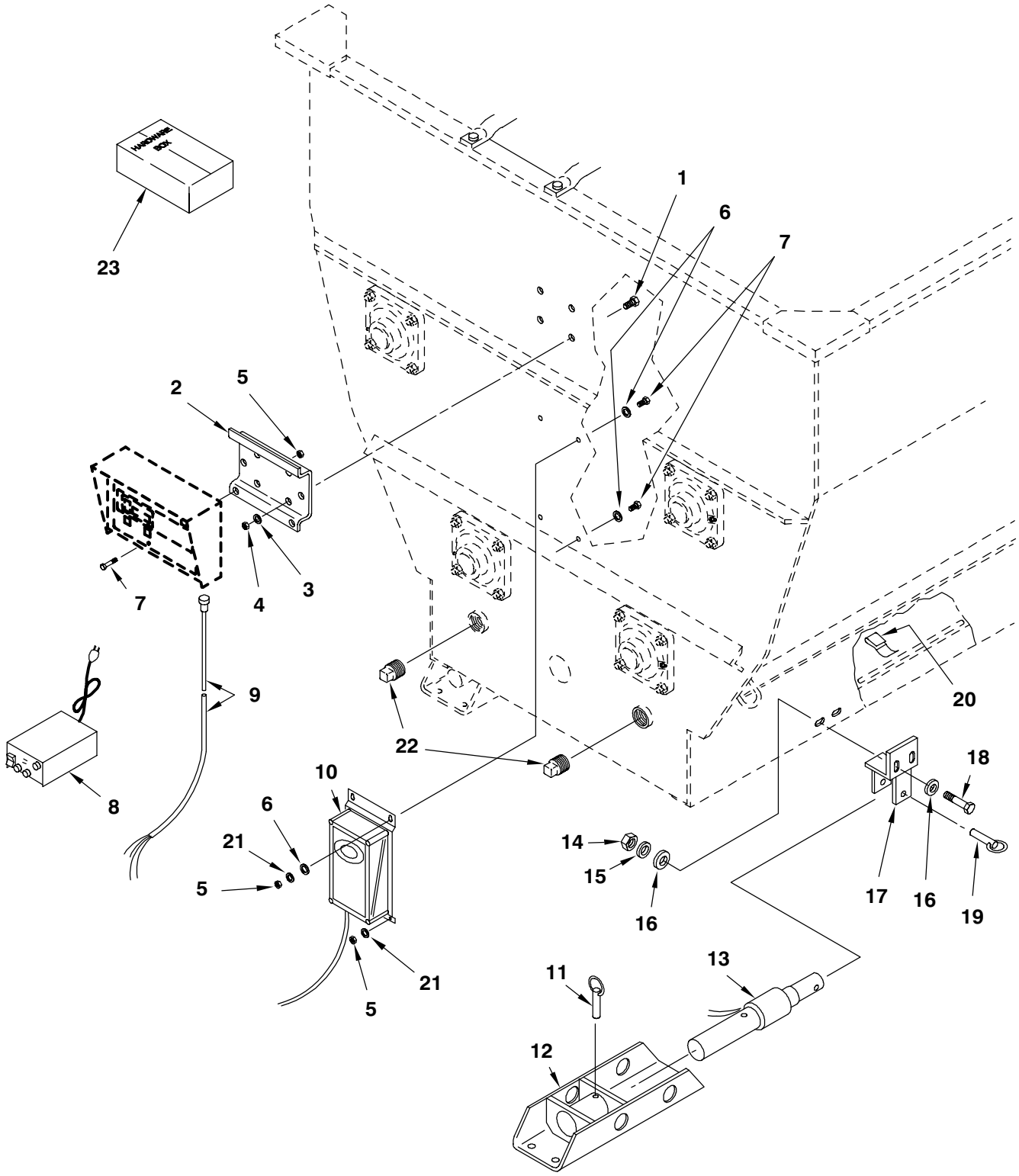
Unloading

The Stationary Mixer Feeder is unloaded by opening the Discharge Door with the 115 volt A.C.-powered Linear Actuator and running the unit. The Actuator is controlled by the Actuator Control Box which is a spring-centered "On-Off-On" device.

ADJUSTMENTS

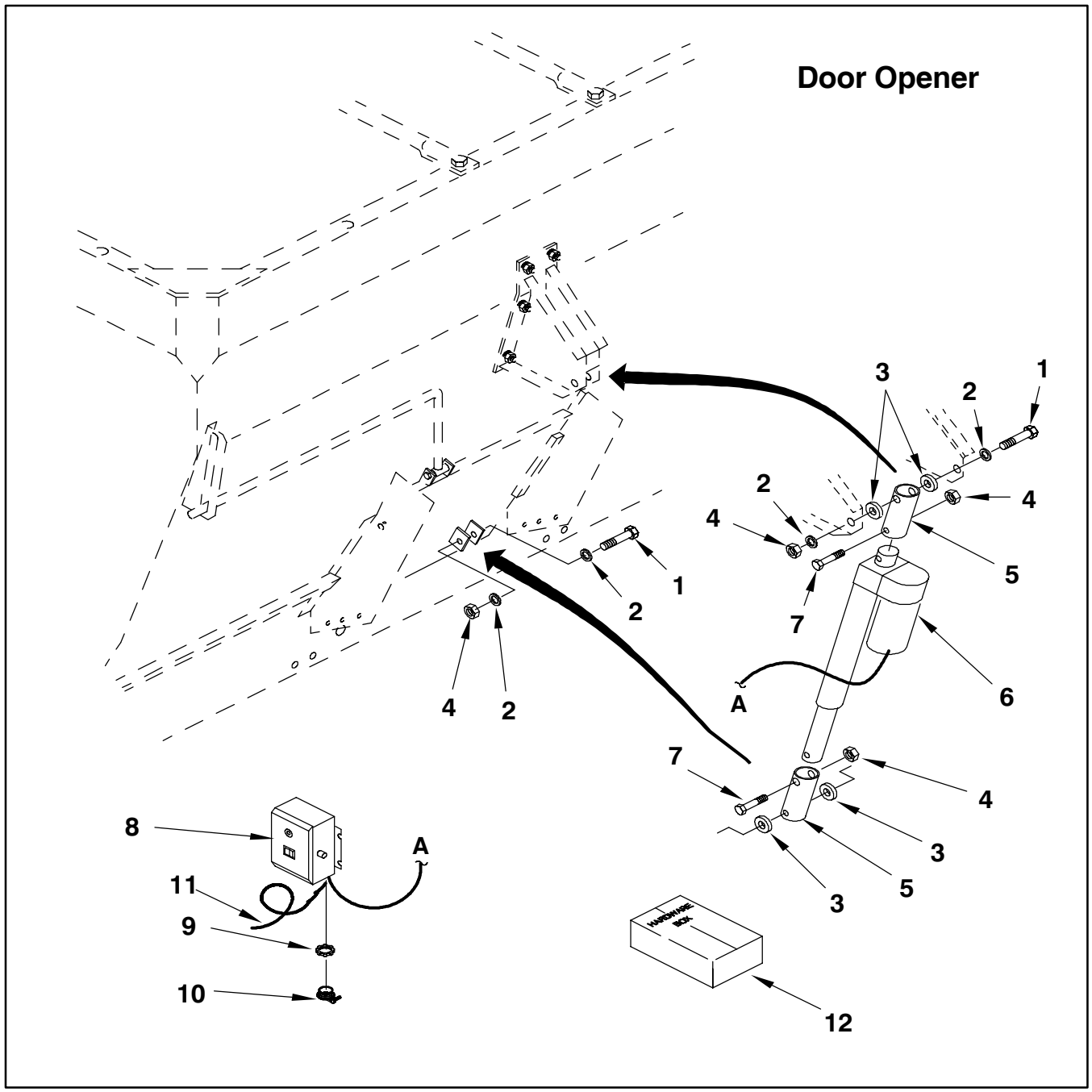
All adjustments, covered in the MF7000 Series Operator's Manual, apply to Stationary Mixer Feeders with the exception of Discharge Conveyor related information. In addition to that information, the Drive Belt tension should be checked after every 50 hours of operation. Proper tension is applied by using Adjustment Rods on the electric Motor Mount. Tension should be maintained at 1/2" of Belt deflection midway between the Drive and Driven Sheaves.

Scale Parts Carton



Ref. No.	Part No.	Description	Qty. Req.
	805351	CARTON/SCALE PARTS	1
		CONSISTS OF:	
01	650542[a]	CS 1/4 X 1/2	4
02	092684	BRACKET/INDICATOR MOUNT	AR
03	654022[a]	L 1/4	4
04	653005[a]	N 1/4	4
05	650550	NUT/HEX MS #10-24	4
06	650584	WASHER/PLAIN #10	6
07	650815	RHMS 10-24 X 3/4	6
08	099951	CONVERTER/AC/DC	1
09	110218	CABLE/4-WIRE POWER	1
10	092679	JUNCTION BOX W/15-FT CORD	1
11	110345[a]	PIN/SEL LOCKING	4
12	110342	MOUNT/ASS'Y LOWER	4
13	092761	WEIGHBEAM 2.125 DB-16-FT	4
14	653018[a]	N 1/2	8
15	654030[a]	L 1/2	8
16	654009[a]	P 1/2	16
17	110343	BRACKET/WEIGHT MT. ASS'Y	4
18	650453[a]	CS 1/2 X 1-1/2	8
19	110344[a]	PIN/SEL LOCKING	4
20	092675	CLIP-CABLE FRAME	15
21	650549	WASHER/HSP. LCK. REG. #10	4
22	660007	PLUG/PIPE 2″	2
23	110826[b]	DOOR/OPENER CTN N/B	1
24	110799[c]	CARD/INSTRUCTION	1
25	613477[c]	DECAL/CAUTION INDICATOR LEADS	1
26	907060[c]	MANUAL/MF7000 SERIES OPERATOR'S	1
27	907062[c-d]	SUPPLEMENT/MF STATIONARY	1
[e]	112518	MODEL 1500 INDICATOR	1
	112519	MODEL 2100 INDICATOR	1
	112520	MODEL 3200 INDICATOR	1

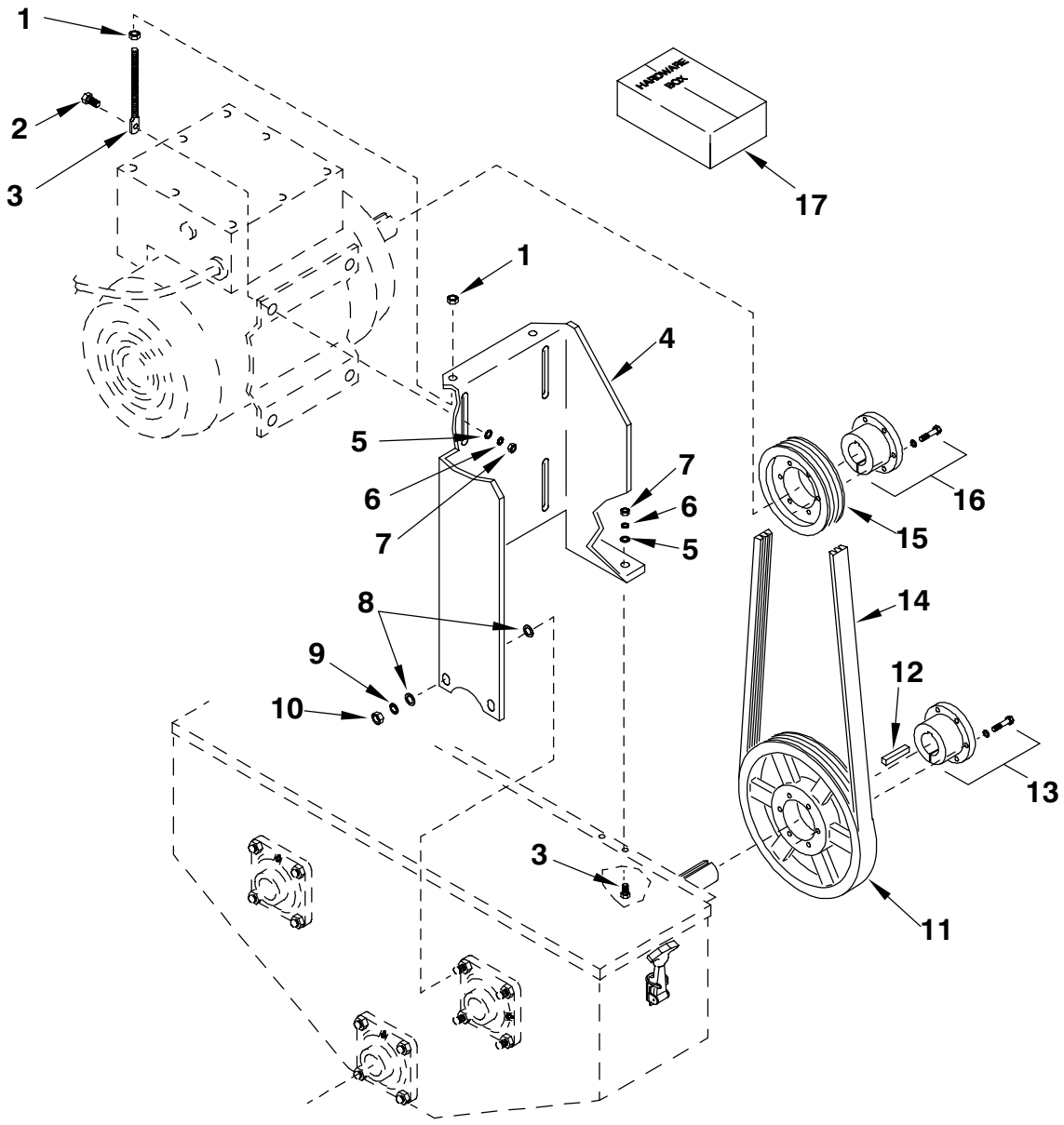
a) Included in Door Opener Carton 110826.
b) NOT available as a service part.
c) NOT illustrated separately.
d) This Supplement.
e) Ordered separately



Ref. No.	Part No.	Description	Qty. Req.
	804899	DOOR OPENER	1
		CONSISTS OF:	
01	650650[a]	CS 1/2 X 3-1/2	2
02	654009[a]	P 1/2	4
03	110346[a]	BUSHING	4
04	071706[a]	LN 1/2	4
05	117097	COUPLER	2
06	115966	LINEAR ACTUATOR	1
07	650585[a]	CS 1/2 X 2	2
08	115968	CONTROL/AC ACTUATOR	1
09	110358[a]	NUT/LOCK NOTCH	1
10	110357[a]	CONNECTOR/ROMEX	1
11	111784	CABLE-RING TO SWITCH	1
12	110833[b]	DOOR/OPENER CTN. N/B	1

a) Included in Door Opener Carton 110833.
b) NOT available as a service part.

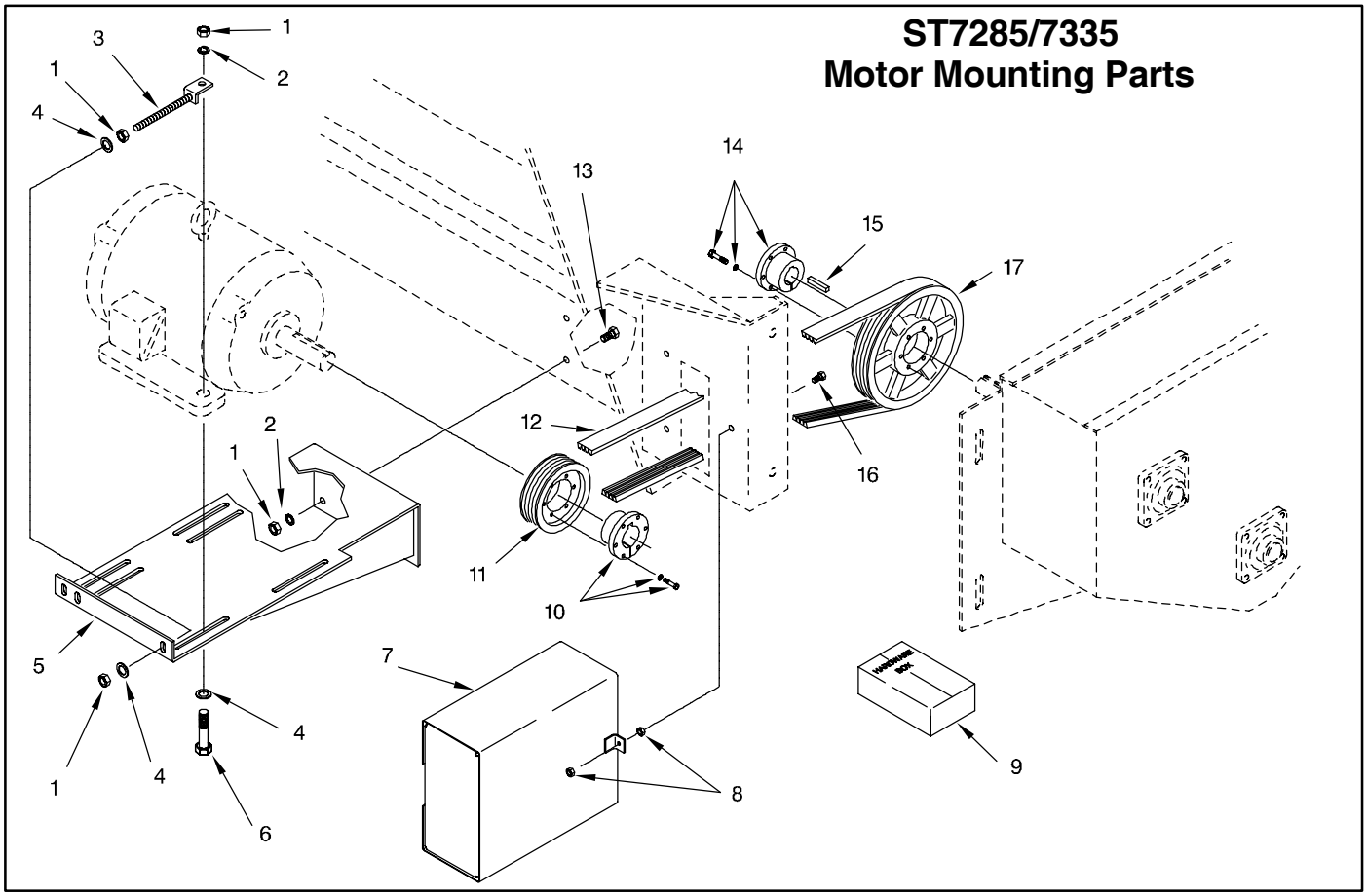
ST7210 Motor Mounting Parts



Ref. No.	Part No.	Description	Qty. Req.
	804898	PARTS/ST7210 MOTOR MTG.	1
		CONSISTS OF:	
01	653010[a]	N 3/8	4
02	650545[a]	CS 5/16 X 1-1/4	6
03	110365	BOLT/SPADE PLT.	2
04	110364	MOUNT/MOTOR 7210 ST.	1
05	654004[a]	P 5/16	6
06	654024[a]	L 5/16	6
07	653007[a]	N 5/16	6
08	654009[a]	P 1/2	4
09	654030[a]	L 1/2	2
10	653018[a]	N 1/2	2
11	110367	SHEAVE/3-3V106 10.6″ PD	1
12	009476	KEY/5/16″ SQ. X 2″	1
13	110369	BUSHING/SPLIT TAPER	1
14	110368	V-BELT/POWERBAND 3/3V710 71 O.D.	1
15	110366	SHEAVE/3-3V36 3.6″ PD	1
16	110370	BUSHING/QD	1
17	110827[b]	NUT/BOLT CTN MOTOR MOUNT	1

a) Included in Motor Mount Carton 110827.
b) NOT available as a service part.

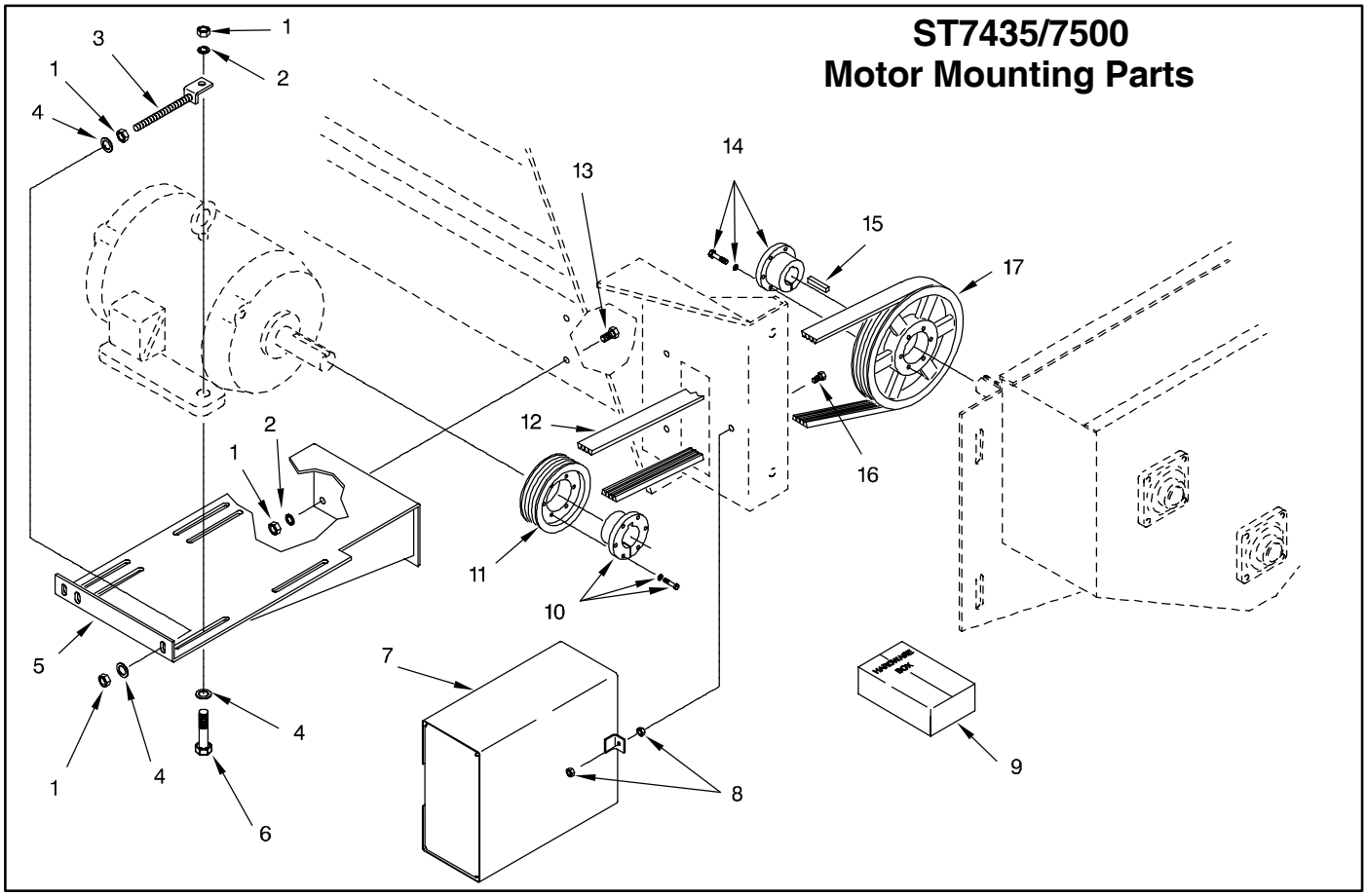
ST7285/7335
Motor Mounting Parts



Ref. No.	Part No.	Description	Qty. Req.
	804879	MTG/ST7285-7335 MOTOR	1
		CONSISTS OF:	
01	653018[a]	N 1/2	12
02	654030[a]	L 1/2	8
03	110477	ROD/ADJUSTMENT ASS'Y	2
04	654009[a]	P 1/2	8
05	110476	MOUNT/MOTOR ASS'Y	1
06	650502[a]	CS 1/2 X 2-1/4	4
07	110478[b]	SHIELD/ASS'Y	1
08	653005[a]	N 1/4	6
09	110832[c]	NUT/BOLT CTN MOTOR MOUNT	1
10	093782	BUSHING/QD	1
11	093781	SHEAVE/3-3V365	1
12	110482	V-BELT/3V BANDED	1
13	650495[a]	CS 1/2 X 1-1/4	4
14	110481	BUSHING/QD	1
15	091963	KEY/3/8″ SQ. X 2″	1
16	650835[a]	CS 1/4 X 1	3
17	110479	SHEAVE/3-3V	1

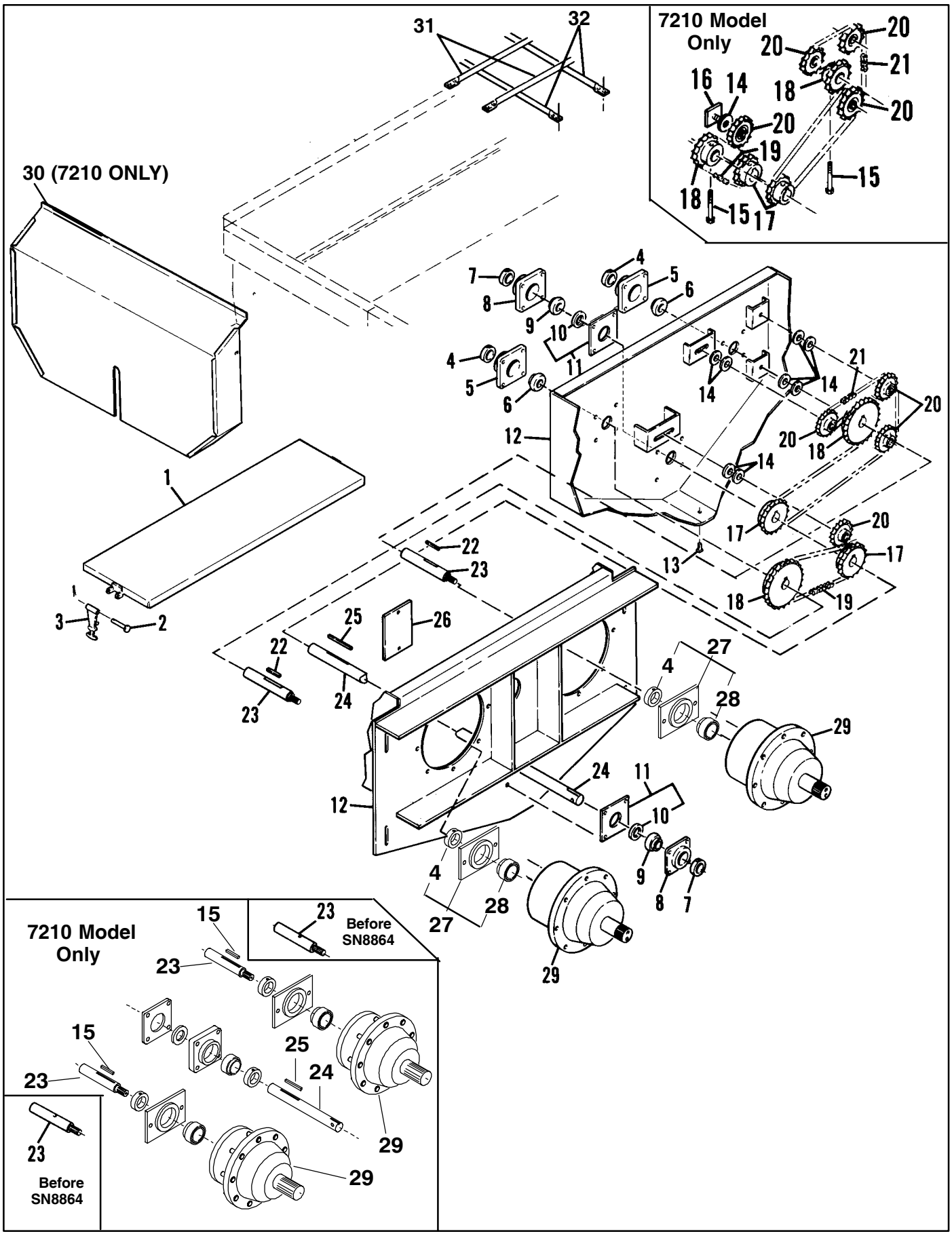
a) Included in Motor Mount Carton 110832.
b) Includes 093473 WARNING Decal.
c) NOT available for service.

ST7435/7500
Motor Mounting Parts



Ref. No.	Part No.	Description	Qty. Req.
	804900	MTG/ST7435-7500MOTOR	1
		CONSISTS OF:	
01	653018[a]	N 1/2	12
02	654030[a]	L 1/2	8
03	110477	ROD/ADJUSTMENT ASS'Y	2
04	654009[a]	P 1/2	8
05	110843	MOUNT/MOTOR ASS'Y	1
06	650502[a]	CS 1/2 X 2-1/4	4
07	110844[b]	SHIELD/ASS'Y	1
08	653005[a]	N 1/4	6
09	110832[c]	NUT/BOLT CTN MOTOR MOUNT	1
10	110845	BUSHING	1
11	110846	SHEAVE/4-3V600 6″ PD	1
12	110848	V-BELT/ 4-3V1000 100 O.D.	1
13	650495[a]	CS 1/2 X 1-1/4	4
14	110481	BUSHING/QD	1
15	091963	KEY/3/8″ SQ. X 2″	1
16	650835[a]	CS 1/4 X 1	3
17	110847	SHEAVE/4-3V1060 10.6″ PD	1

a) Included in Motor Mount Carton 110832.
b) Includes 093473 WARNING Decal.
c) NOT available for service.


7210 Model Only
30 (7210 ONLY)
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13
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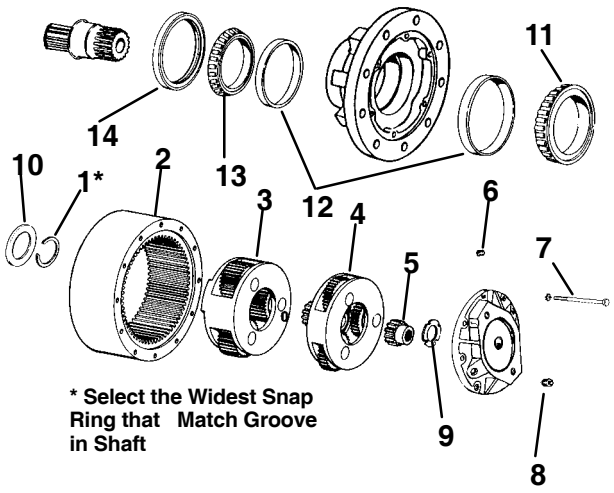
7210 Model Only
Before SN8864
Before SN8864

Ref. No.	Part No.	Description	Qty. Req.
01	092740	CHAIN CASE COVER	1
	092662	CHAIN CASE COVER (7210 ONLY)	1
02	092665	PIN CLEVIS 3/16X1-5/8	2
03	091899	RUBBER HOOK	2
04	520153	COLLAR/BEARING LOCK	4
05	R13062	HOUSING/BEARING	2
	570014	FITTING/GREASE	2
	650569	CS 1/2X1-3/4 (N,L)	8
06	069387	BEARING/BALL	2
07	076082[a]	COLLAR/BEARING LOCK	2
	520153	COLLAR/BEARING LOCK (7210 ONLY)	2
08	091912[a-b]	FLANGED BEARING	2
	R13062	HOUSING/BEARING (7210 ONLY)	2
	570014	FITTING/GREASE	2
	650569	CS 1/2X1-3/4 (N,L)	8
09	083666[b]	BEARING	2
	069387	BEARING/BALL (7210 ONLY)	2
10	091884	SEAL/OIL	2
	053961	SEAL/OIL (7210 ONLY)	2
11	092735	SEAL PLATE ASS'Y	2
	092660	SEAL PLATE ASS'Y (7210 ONLY)	2
12	092741	CHAIN CASE	1
	124105	CHAIN CASE (7210 ONLY) (AFTER SN8863)	1
	092661	CHAIN CASE (7210 ONLY) (BEFORE SN8864)	1
	650163	CS 3/4X1-3/4 (N,L,P)	4
13	660004	PLUG/PIPE 1/2	1
14	654012	SHIM WASHER	AR
15	060757	KEY 5/16X1-1/2 (7210 ONLY) (AFTER SN8863)	2
	092784[c]	SHEAR BOLT 5/16X3 GR. 2 (7210 ONLY) (BEFORE SN8864)	2
		(2) 5/16 LN	
16	092657	IDLER STUD (7210 ONLY)	1
		(1) 5/8 LN (3) 5/8 P	
17	092695	SPROCKET 21T	2
	092932	SPROCKET 12T (7210 ONLY)	2
18	092696	SPROCKET 30T	2
	097957	SPROCKET 16T (7210 ONLY) (AFTER SN8863)	2
	092659	SPROCKET 17T (7210 ONLY) (BEFORE SN8864)	2
19	058265	CHAIN (#60) OF 67 LINKS INCLUDING ONE 500160 PLAIN CONNECTOR & ONE 500161 OFFSET CONNECTOR	1
	087710	CHAIN (#60) OF 48 LINKS INCLUDING ONE 500160 PLAIN CONNECTOR (7210 ONLY)	1
20	056845	SPROCKET IDLER 15T	4
	091902	SPROCKET IDLER 13T (7210 ONLY)	4
	650710	CS 5/8X2-1/4 (N,L,8P)	4
21	091890	CHAIN (#60) OF 110 LINKS INCLUDING ONE 500160 PLAIN CONNECTOR	1
	091883	CHAIN (#60) OF 80 LINKS INCLUDING ONE 500160 PLAIN CONNECTOR (7210 ONLY)	1
22	009476[a]	KEY 5/16 SQ X 1-1/4	2
23	094926	DRIVE SHAFT-PWR HD DR	2
	097895	DRIVE SHAFT-PWR HD DR (7210 ONLY) (AFTER SN8863)	2
	092656	DRIVE SHAFT-PWR HD DR (7210 ONLY) (BEFORE SN8864)	2
24	092739	INPUT SHAFT CHAIN CASE	1
	124124	INPUT SHAFT CHAIN CASE (7210 ONLY) (AFTER SN8863)	1
	092663	INPUT SHAFT CHAIN CASE (7210 ONLY) (BEFORE SN8864)	1
25	092734	KEY 3/8SQX3	1
	009476	KEY 5/16SQX1-1/4 (7210 ONLY)	2
26	092733[a]	GEAR PUMP COVER PLATE	1
	650494	CS 1/2X1 (N,L)	2
27	092658	BEARING PLATE ASS'Y	2
	650494	CS 1/2X1 (L)	4
28	520208	BEARING CYLINDRICAL	2
29	110340[d]	POWERHEAD NO. 6 (7210)	2
	650335	CS 1/2X1-3/4 GR.8 (N,L)	18
	092742[d]	POWERHEAD NO. 8 - 23.04:1 (7285/7335)	2
	110838[d]	POWERHEAD NO. 8 - 40.96:1 (7435/7500)	2
	651232	CS 9/16X1-3/4 (N,L)	16
30	110341	REAR SHIELD (7210 ONLY)	1
	650448	CS 1/4X3/4 (N,L,4P)	2
31	092635	SAFETY GRID-LONG (7210/7285)	4
	092767	SAFETY GRID-LONG (7335)	4
	099213	SAFETY GRID-LONG (7435)	4
	099202	SAFETY GRID-LONG (7500)	4
	650487	CS 5/16X1 (FLN)	AR
32	092636	SAFETY GRID-SHORT (7210)	6
	092750	SAFETY GRID-SHORT (7285/7335)	6
	099214	SAFETY GRID-SHORT (7435/7500)	8
	650487	CS 5/16X1 (FLN)	AR

a) Used on all units except 7210 Model.
b) Includes Collar 076082 & Bearing 083666.
c) For replacement Shear Bolts, order Kit 904338 containing 8 Bolts & LN.
d) For components, see following page.

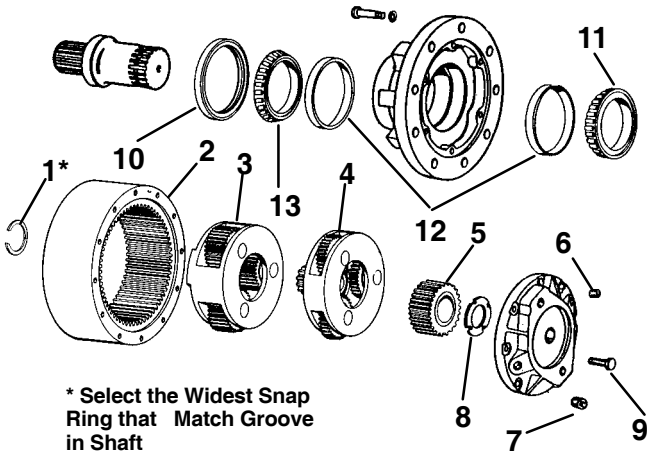
No. 8 Powerhead Components



*** Select the Widest Snap Ring that Match Groove in Shaft**

	092742	POWERHEAD NO. 8 - 23.04:1 (7285/7335)	2
	110838	POWERHEAD NO. 8 - 40.96:1 (7435/7500)	2
		CONSISTS OF:	
01	092943	KIT/RETAINER	1
02	092934	RING GEAR (7285/7335)	1
	110839	RING GEAR (7435/7500)	1
03	092937	ASS'Y/CARRIER SECONDARY (7285/7335)	1
	110840	ASS'Y/CARRIER SECONDARY (7435/7500)	1
04	092936	ASS'Y/CARRIER PRIMARY (7285/7335)	1
	110841	ASS'Y/CARRIER PRIMARY (7435/7500)	1
05	092935	SUN GEAR (7285/7335)	1
	110842	SUN GEAR (7435/7500)	1
06	660004	PLUG/PIPE 1/2-14	1
07	650605	CS 3/8-16X5-1/2	12
08	057569	PLUG/MAGNETIC PIPE	1
09	080303	THRUST WASHER	1
10	110489	THRUST WASHER	1
11	078945	BEARING/CONE	1
12	078946	BEARING/CUP	2
13	010-32292	BEARING CONE	1
14	094376	SEAL/OIL	1

No. 6 Powerhead Components



*** Select the Widest Snap Ring that Match Groove in Shaft**

	110340	POWERHEAD NO.6 (7210)	2
		CONSISTS OF:	
01	092943	KIT/RETAINER	1
02	080300	RING GEAR	1
03	089174	ASS'Y/CARRIER SECONDARY	1
04	089993	ASS'Y/CARRIER PRIMARY	1
05	110491	SUN GEAR	1
06	660004	PLUG/PIPE 1/2-14	1
07	057569	PLUG/MAGNETIC PIPE	1
08	080303	THRUST WASHER	1
09	650545	CS 5/16-18X1-1/4	8
10	089176	SEAL/OIL	1
11	078945	BEARING/CONE	1
12	078946	BEARING/CUP	2
13	010-32292	BEARING CONE	1

Notes

Index

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