



This manual is to instruct customers on how to install the Dura Flow and Dura Bar Blowers onto their old air systems that use the roots blowers. There are different instructions depending on which size of air system is being used. First there will have to be holes drilled and sections of the customer's existing skid cut out to allow for the new blowers to fit.

All 4" Systems and 5" 1200 Series Systems

1. Remove existing old style blower after detaching belts and belt guard.
2. Cut out section E on attached [Figure 2 on Page 2](#) for 4" and 5" systems.
3. Drill holes marked A, C, F and H marked in [Figure 2 on Page 2](#).
4. Bolt braces AS-0042-GD to these new hole locations after removing old brace. (**NOTE: Braces must face same direction as old brace.**) (Refer to PNEG-1811.)

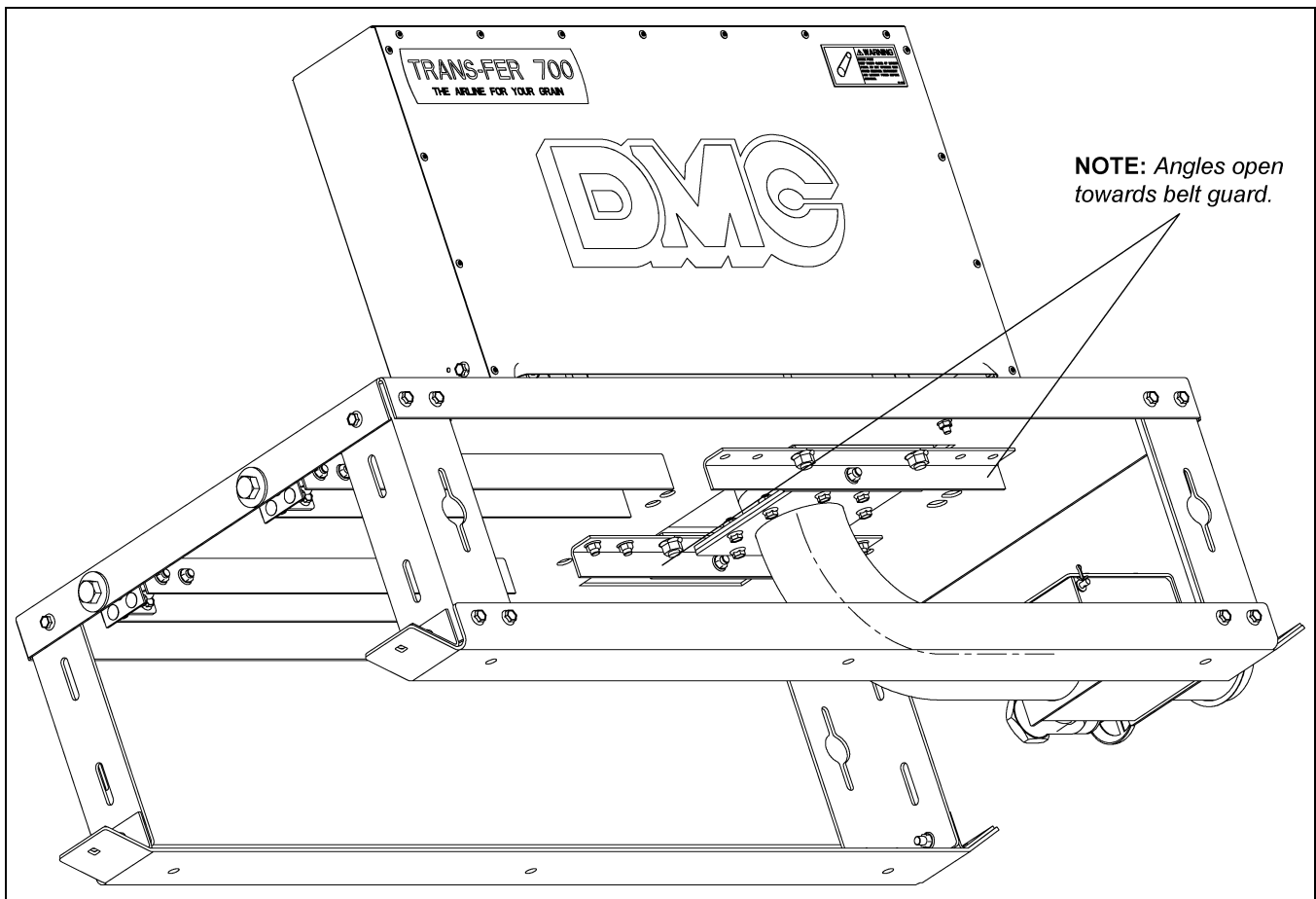


Figure 1

5. Bolt blower to braces AS-0042-GD.
6. Transfer existing blower sheave and bushing or install new if necessary. (See [Table on Page 8](#) to determine which new parts, if any, are needed for each system.)



Gardner Denver Blower Retrofit Installation for Air Systems

All 4" Systems and 5" 1200 Series Systems (Continued)

7. Install new motor sheave and bushing if necessary. (See [Table on Page 8](#) to determine which new parts, if any, are needed for each system.)
8. Check that blower shaft rotates freely and re-attach belts.
9. Adjust motor in order to tension belts according to the Air System Manual (PNEG-1811) specifications.
10. Re-attach belt guards.

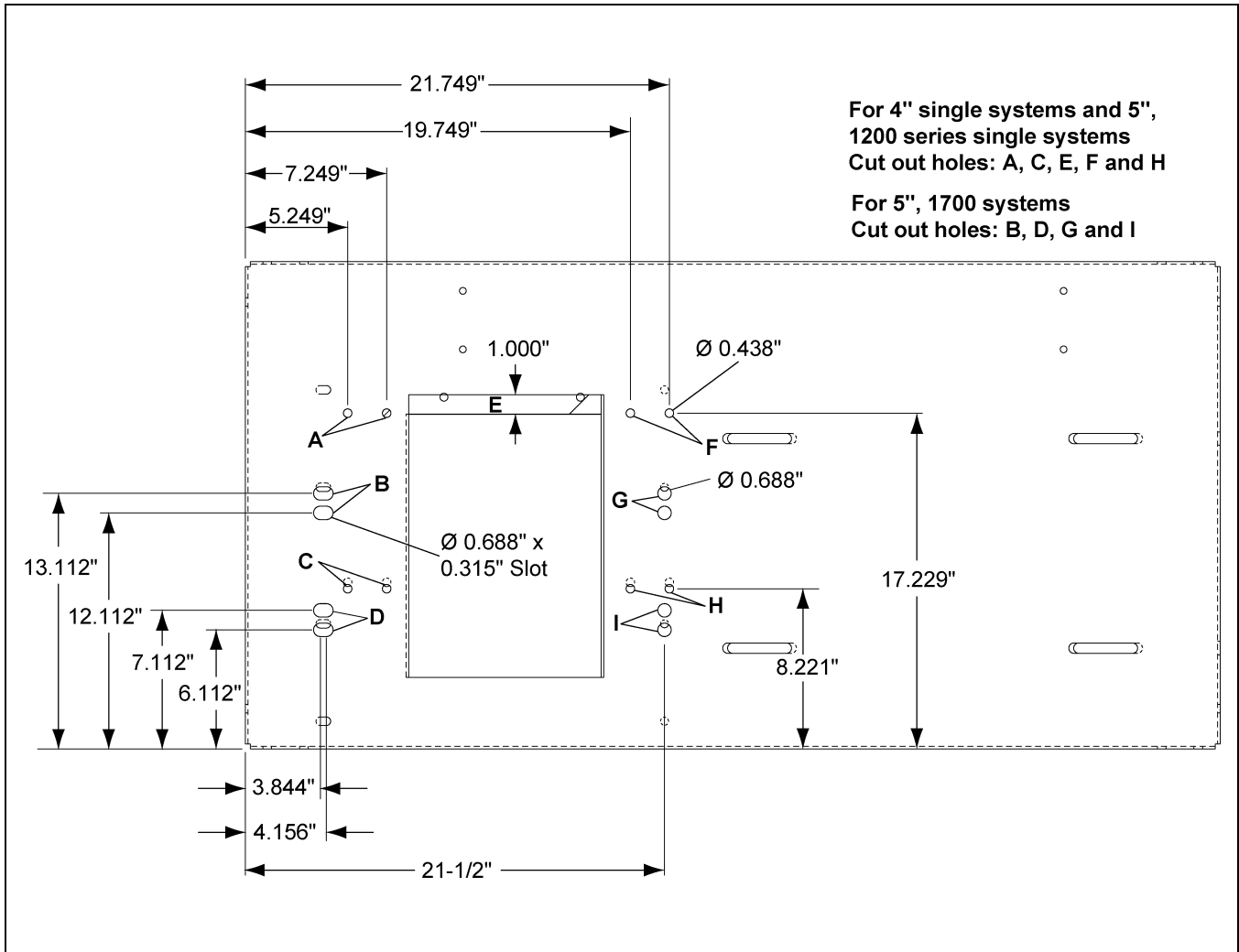


Figure 2

All 5" 1700 Systems

1. Remove existing old style blower after detaching belts and belt guard.
2. Drill holes marked B, D, G and I marked in *Figure 3* for 5" systems.
3. Bolt blower to new hole locations.
4. Transfer existing blower sheave and bushing. (No new parts needed for 1700 capacity systems.)
5. Check that blower shaft rotates freely and re-attach belts.
6. Adjust motor in order to tension belts according to the Air System Manual (PNEG-1811) specifications.
7. Re-attach belt guards.

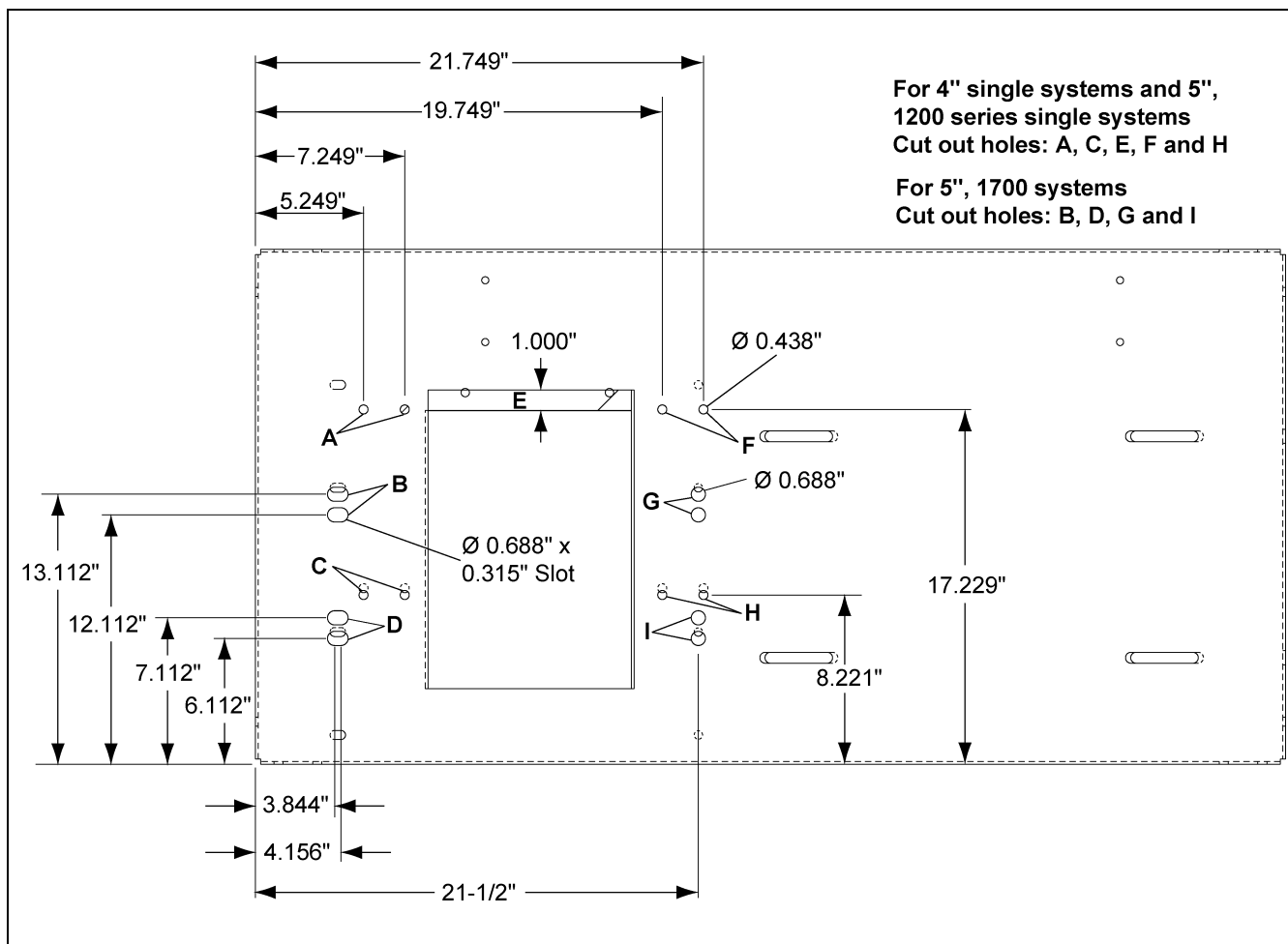


Figure 3

All Twin Drive Systems

1. Remove existing old style blower after detaching belts and belt guard.
2. Cut out section E on attached in [Figure 6 on Page 6](#) for twin drive systems.
3. Drill holes marked A, C, F and H marked in [Figure 6 on Page 6](#).
4. Bolt braces AS-0042-GD to these new hole locations after removing old brace. (**NOTE: Braces must face same direction as old brace.**) (Refer to PNEG-1811.)

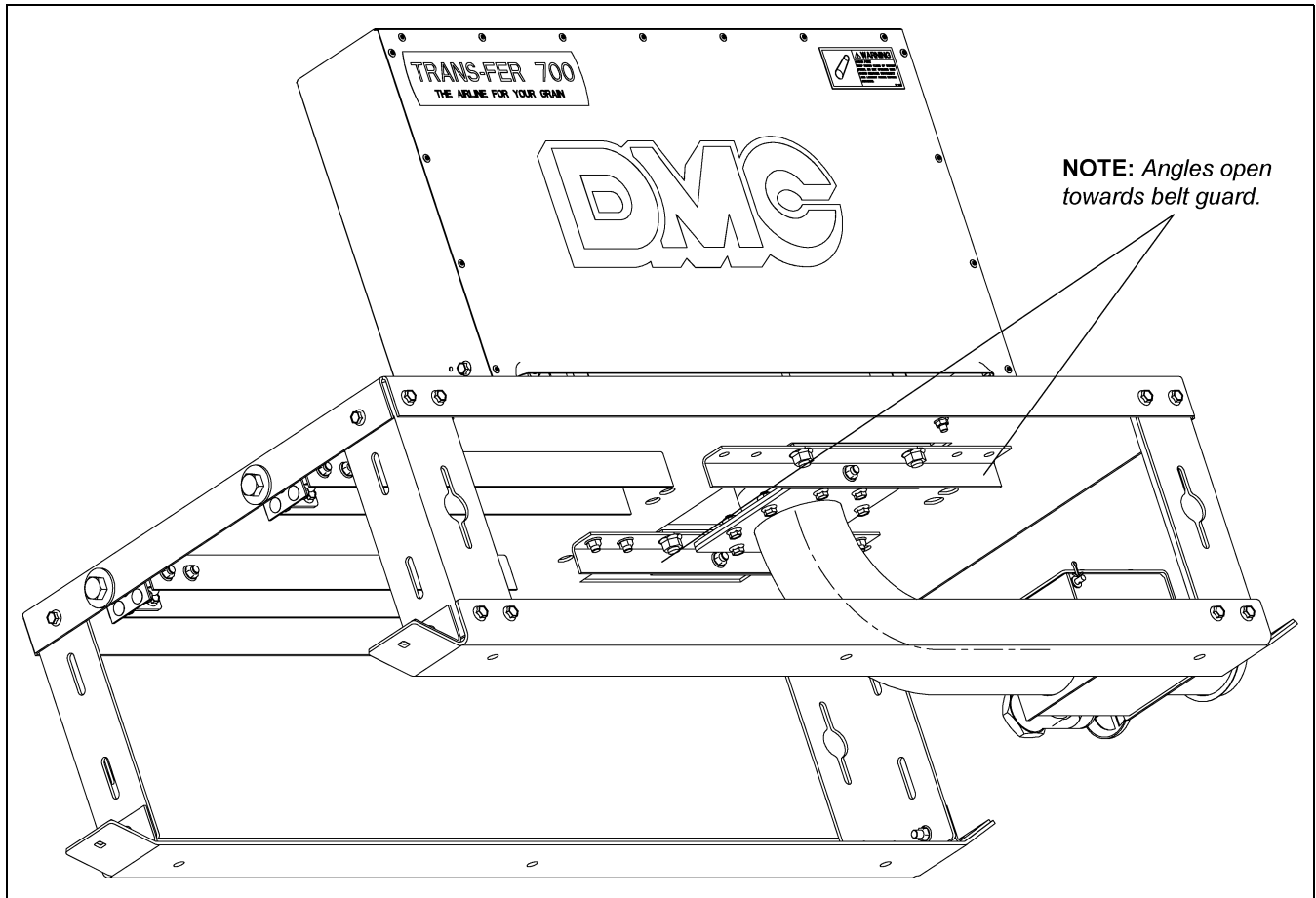


Figure 5

5. Bolt blower to braces AS-0042-GD.
6. Transfer existing blower sheave and bushing or install new if necessary. (See [Table on Page 8](#) to determine which new parts, if any, are needed for each system.)
7. Install new motor sheave and bushing if necessary. (See [Table on Page 8](#) to determine which new parts, if any, are needed for each system.)
8. Check that blower shaft rotates freely and re-attach belts.
9. Adjust motor in order to tension belts according to the Air System Manual (PNEG-1811) specifications.
10. Re-attach belt guards.

Gardner Denver Blower Retrofit Installation for Air Systems

All Twin Drive Systems (Continued)

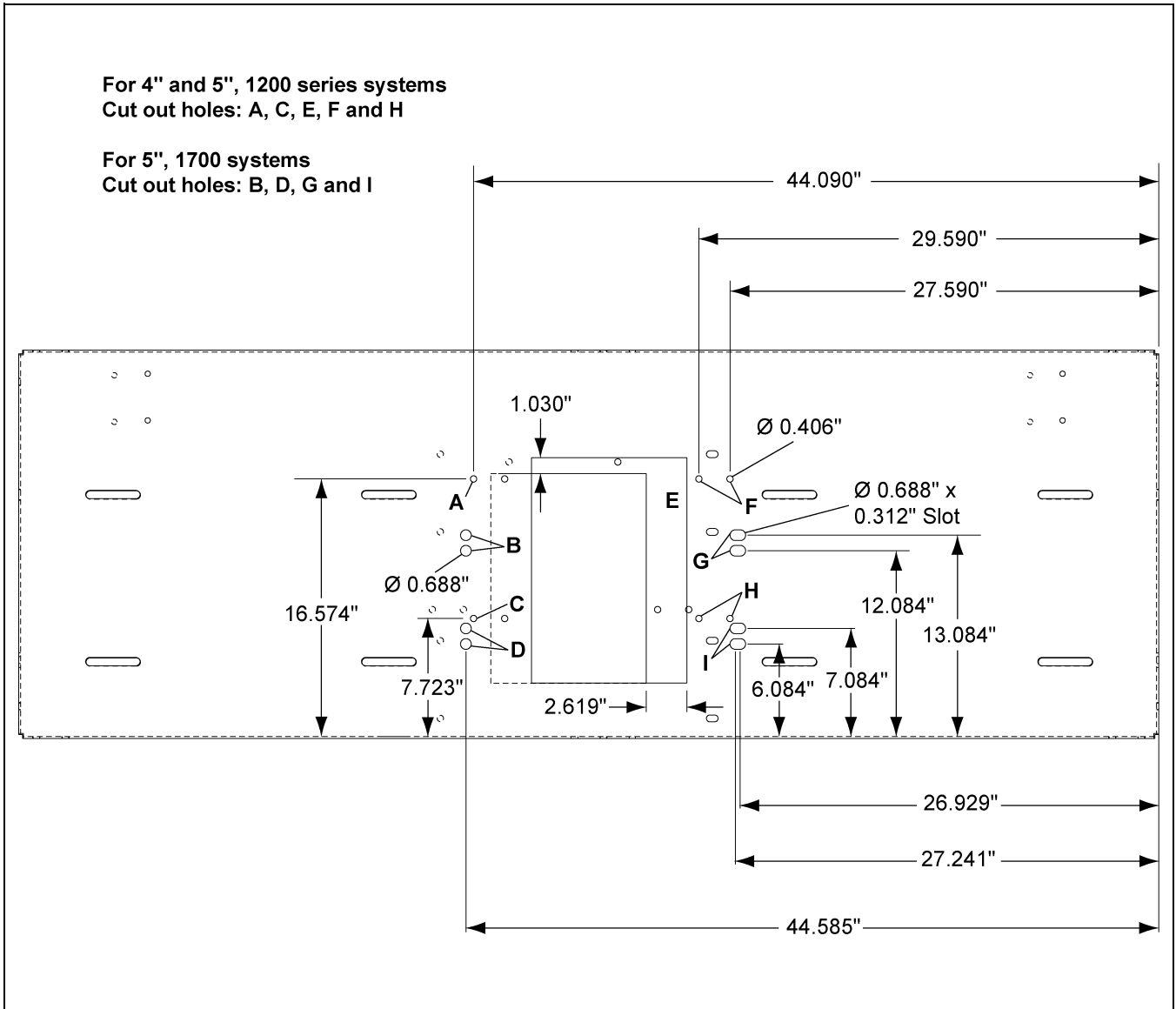


Figure 6

6" Blower Retrofit Instructions

1. Remove bolts.
2. Remove existing feet.
3. Replace with AS-0893 and tighten down bolts.
4. Replace feet on blower assembly. (*See Figure 7.*)

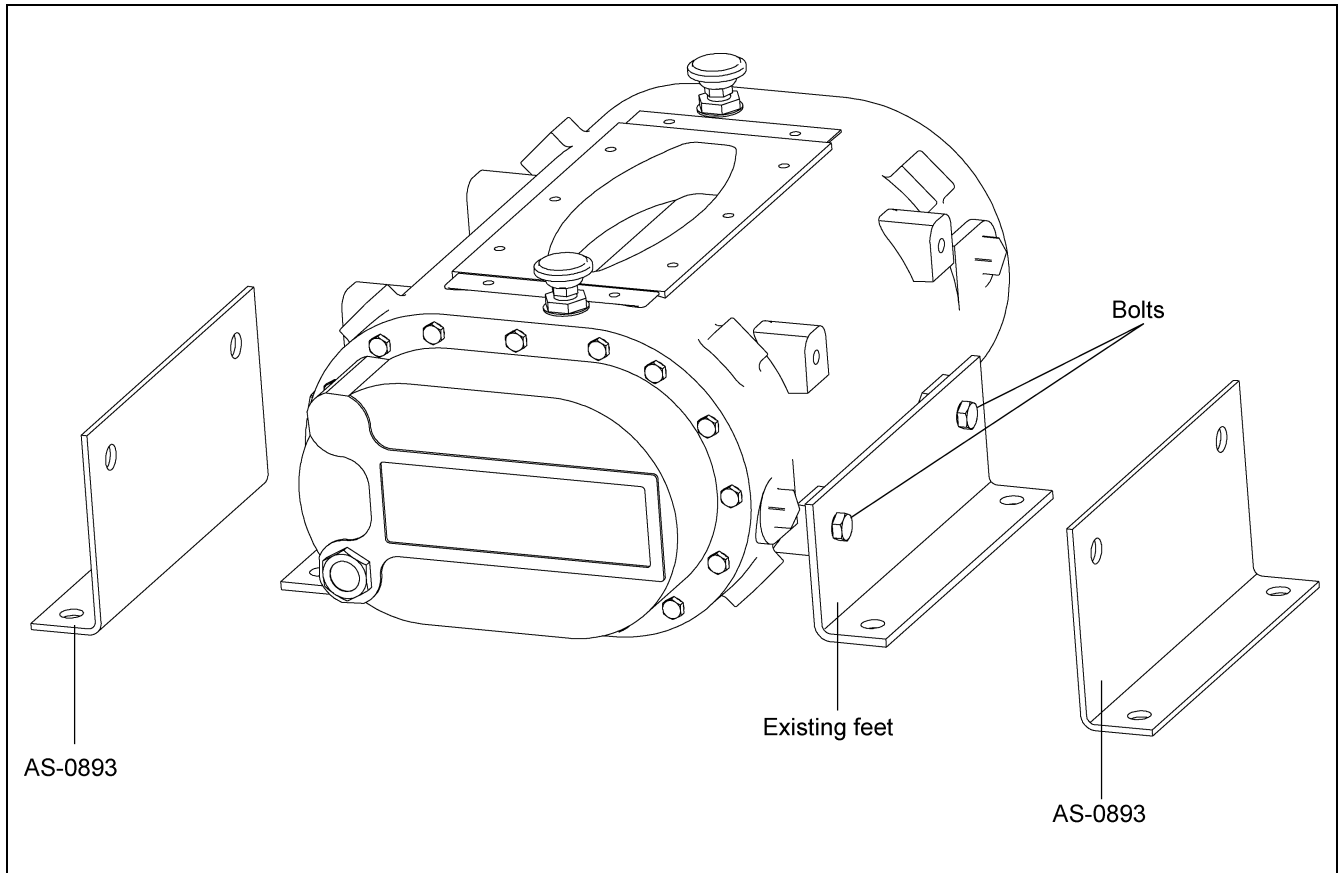


Figure 7

Gardner Denver Blower Retrofit Installation for Air Systems

Sheave and Bushing Chart

Service Kit Cross Reference Sheet

System Size	Series	Kit PN to be Ordered	Drive	HP	Line Items to be Ordered with Kit		Qty
4" Systems	All	AS-0889	Single	All	MHC00113	Blower Sheave	1
					MHC00742	Blower Bushing	1
			Twin	All	MHC00771	Blower Sheave	1
					MHC00742	Blower Bushing	1
5" Systems	1200 Series	AS-0890	Single	20	MHC00717	Motor Sheave	1
					MHC00024	Motor Bushing	1
				30	MHC00717	Motor Sheave	1
					CE-00598	Motor Bushing	1
			Twin	10	MHC00110	Motor Sheave	2
					MHC0065	Motor Bushing	2
				15	MHC00110	Motor Sheave	2
					MHC00024	Motor Bushing	2
1700 Series	AS-0891	All	All	None	-	0	
6" Systems	All	AS-0892	Single	40	GC06676	Motor Sheave	1
				75	MHC01829	Motor Sheave	1
					CE-00598	Motor Bushing	1
				50-60	MHC01408	Motor Sheave	1
					MHC00170	Motor Bushing	1
					MHC00791	Blower Sheave	1
					CE-00597	Blower Bushing	1

Kit includes:

- Blower assembly.
- All necessary attachment brachetry.
- Installation manual.