

49358 Hopper Suspension Kit Installation Instruction

Introduction:

The Hopper Suspension Kit provides added stability for single or twin boot floor feeding systems.

Brackets, cable and hardware are provided for two point suspension of either 100 lb. or 200 lb. hoppers.

Figure 1 shows a feed hopper suspension using the hopper suspension kit.

Instructions:

Figures 2 & 3 provide detailed information on how to assemble and install the Hopper Suspension kit.

1. For **100 lb. hoppers**, position the cable guide plate in the center on the hopper side and flush with the top edge. Mark the two hole locations and drill two 9/32" (.281) diameter holes at the marked locations. Repeat this step on the opposite side panel. On **200 lb. hoppers** these holes are supplied from factory.
2. Secure the two cable guide plates to the outside of the feeder hopper using 1/4-20 x 3/8" truss head screws and hex flange nuts. The truss heads of the screws should be to the outside of the hopper against the cable guide plates. **See Figure 2.**
3. Assemble the suspension angles and suspension braces around the single or twin intake boot. **See Figure 3.** The Suspension Brackets support the boot by the outward formed side flanges of the boot. The large holes in the ends of the suspension angles must face upwards. Use the 1/4-20 x 1/2" bolts and lock nuts provided to assemble angles and braces.

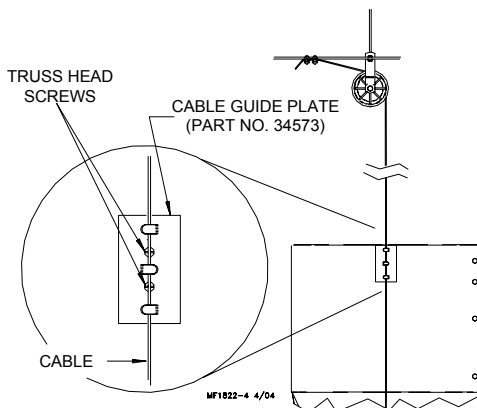


Figure 2. Cable Guide Plate

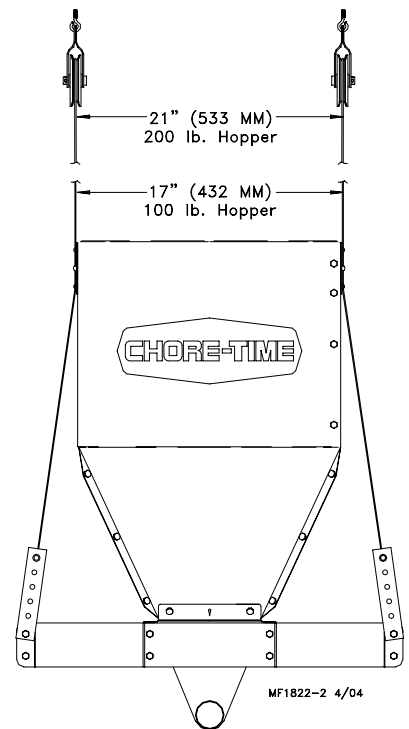


Figure 1. Suspended Hopper

4. Assemble the adjustment brackets into the top (larger) holes of the suspension angle using 5/16-18 x 3/4" hex head bolts and locknuts provided. Use the bottom holes in the adjustment brackets to attach to the suspension angles. **See Figure 3.**

5. Install two pulley assemblies centered above desired hopper location as shown in **figures 1 and 2**. The pulleys should be installed 17" apart for a 100 lb. hopper and 21" apart for a 200 lb. hopper. This spacing will angle the suspension cables slightly and will keep the cable in the cleats of the cable guide plates.

6. Install the two 1/8" cables (utilizing the thimble end) to the top holes of the adjustment brackets with the provided clevis pins and hairpins. The top holes of the adjustment brackets are used to allow adjustment for cable stretch once hopper is filled with feed. Route the cables up and over the pulleys to attach these 1/8" cables to the 3/16" main suspension cable for the feeder lines. Level the boot with the feeder line then use the provided 3/16" cable clamps to attach the 1/8" cables to the 3/16" main suspension cable.

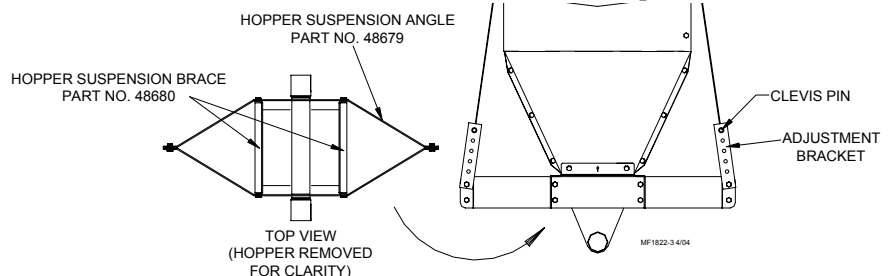
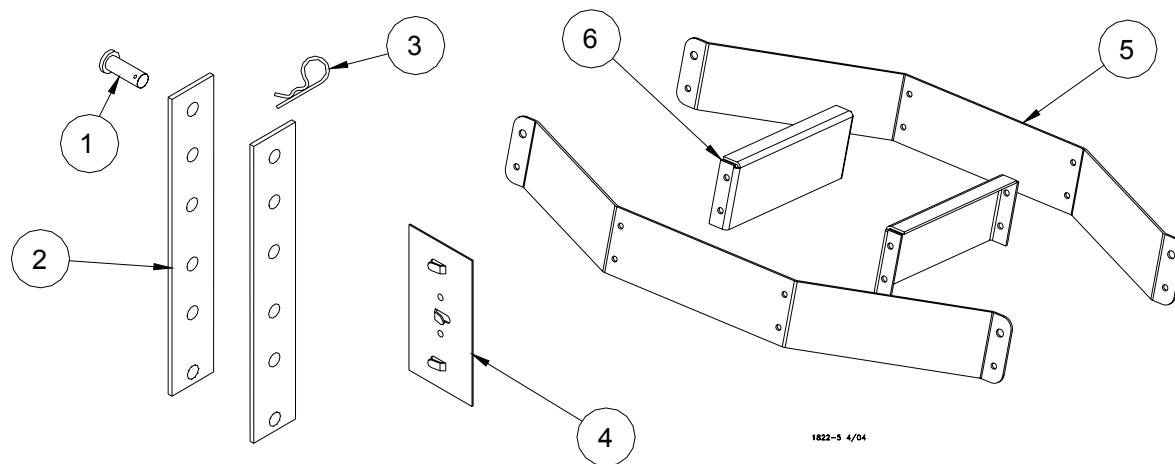


Figure 3. Suspension Angle Assembly

Parts Listing: 49358

Item	Description	Part No.
1	Clevis Pin, 5/16" x 1"	2797-1
2	Adjustment Bracket	2706
3	Hair Pin	2664
4	Cable Guide	34573
5	Suspension Angle	48679
6	Suspension Brace	48680