

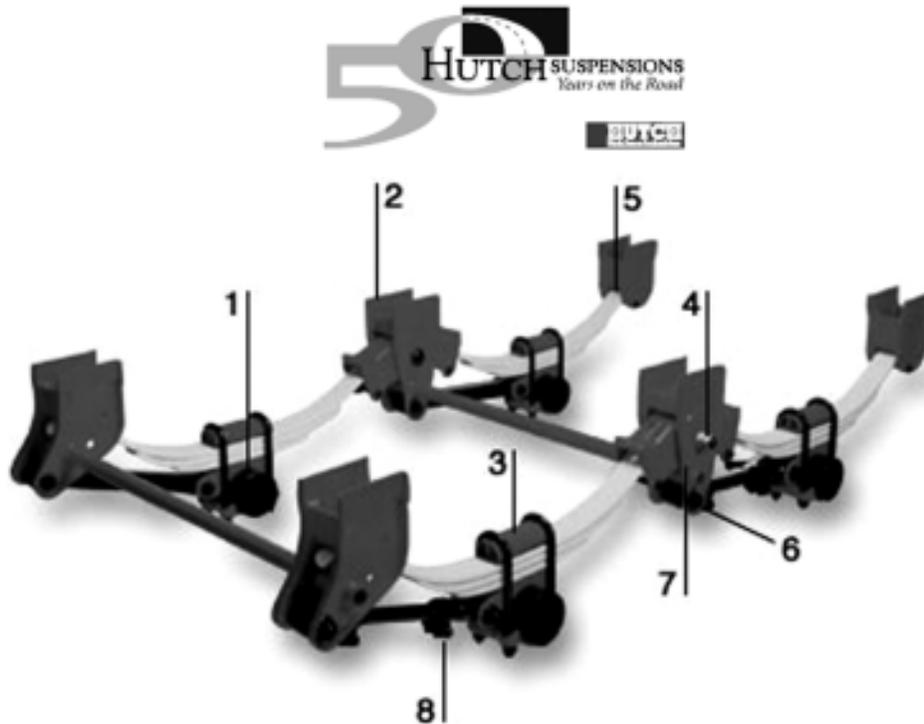


HUTCHENS H9700 SUSPENSION FEATURES



After all these years, it is still the most versatile trailer suspension on the road today.

The Hutch 9700 Series remains the leader in our long and distinguished line of trailer suspension systems. Hutch Suspensions incorporate innovative thinking that results in a durable and reliable system that not only extends service life, reduces downtime and protects your cargo – but also provides a smooth and comfortable ride.



- 1) Improved spring seat design that efficiently transfers forces from the axle to the spring.
- 2) All hangers and equalizers are made from lightweight fabricated or cast steel.
- 3) Lighter top plate that offers greater stability under U-bolt clamp loads.
- 4) Huck “lockbolt” fastening system that is virtually maintenance-free.
- 5) ½” wear pads in hangers and equalizers.
- 6) Wrapped fabricated torque arm eye-ends prevent separation under extreme conditions.
- 7) Million Mile Rocker Bushing that virtually eliminates bushing fatigue and failure.
- 8) “NEVER-SEEZ®” coated torque arm screws are painted to resist corrosion while allowing easy adjustment for suspension alignment.



HUTCHENS H9700 and CH9700 SUSPENSIONS



All 9700 series suspensions are available with either fabricated or cast steel hangers and rockers. These hangers come in various styles.



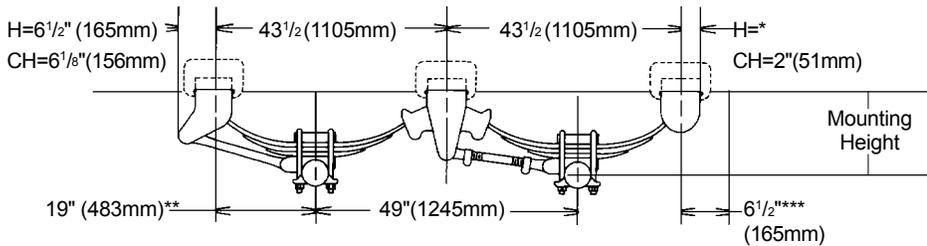
**H9700
CH9700**

Fabricated (H)	Straddle Mount (Str/Mt)	Cast (CH)
	<p>Under Mount Un/mt) Under Mount hangers are welded flush to the bottom of the frame.</p> <p>Side Mount (Si/mt) Side mount hangers are welded to the side of the frame. They are useful on flatbed sliders and "maximum cube" vans.</p> <p>Under Mount Weld-On (Un/mt/wo) or Side Mount Weld-On (Si/mt/wo) The versatile cast weld-on hangers can be used for either under mount or side mount applications.</p>	
	<p>Flange Mount (FI/mt) Flange mount hangers may be welded or bolted to the frame, or a combination of bolting and welding may be used.</p>	

Capacity

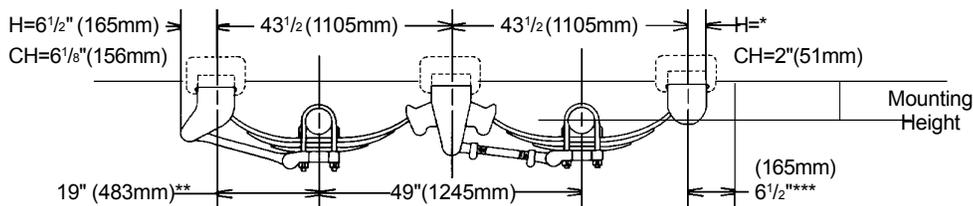
The 9700 series suspension has a Gross Axle Weight Rating (G.A.W.R.) of 22,400 lbs when equipped with single leaf, two leaf, standard three leaf and seven leaf springs. Heavy duty three leaf and eight leaf springs raise the G.A.W.R. to 25,000 lbs.

Standard Overslung Suspension with standard 49 inch axle centers



* Str/Mt-3 1/2" (89mm), Un/mt & Si/mt=3 7/8" (99mm), FI/mt-5 1/2" (140mm) **Ref.: This dimension may vary with changes in springs, spring seat heights, etc. ***Recommended spring clearance.

Standard Underslung Suspension with standard 49 inch axle centers



* Str/Mt-3 1/2" (89mm), Un/mt & Si/mt=3 7/8" (99mm), FI/mt-5 1/2" (140mm) **Ref.: This dimension may vary with changes in springs, spring seat heights, etc. ***Recommended spring clearance.

Hutchens suspensions with axle spacings other than 49" are covered in other pages of this catalog.

**HUTCHENS H9700 / CH9700 SUSPENSIONS & MOUNTING HEIGHT****Ordering a 9700 Series Suspension System**

The following options need to be considered when ordering a "Hutch" 9700 Series suspension:

- 1. The number of axles** - on a tandem, standard axle spacing is 49" unless otherwise specified.
- 2. Choose the type of hanger.** (See hanger types in this catalog.)
Specify fabricated (H) or cast (CH).
- 3. Determine the mounting height you need.** A mounting height chart is shown below.
Mounting height depends on

Suspension configuration - Overslung for standard range of mounting heights; Underslung for when lower mounting heights are required.



Axle size - 5 inch round is considered standard.

Spring Seat Height: Available in heights from 3/4" to 4-3/4" in 1/2" increments.

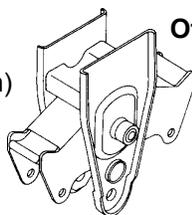
Spring Type. Consideration is given to number of leaves and arch, standard or heavy duty. The spring seat height and the spring determine the length of u-bolts required.



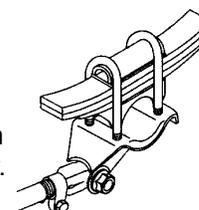
- 4. Choose u-bolt diameter** - 7/8" is standard, 3/4" is optional.

Rocker and Center Hanger Fastener

Standard Huck Fastener (Shown)
Optional 1-1/8" X 7"
Capscrew and Nut

**Other Options:**

Optional No-Hop Attach Fitting
Rear Axle Only
Prevents axle "hop" when braking with empty trailer.



MOUNTING HEIGHT											
SPRINGS	5" ROUND & 5" SQUARE AXLE										UNDERSLUNG
Seat Height-->	3/4	1-1/4	1-3/4	2-1/4	2-3/4	3-1/4	3-3/4	4-1/4	4-3/4	3/4	2-1/4
363-00 (single)	13 ^{3/4} "	14 ^{1/4} "	14 ^{3/4} "	15 ^{1/4} "	15 ^{3/4} "	16 ^{1/4} "	16 ^{3/4} "	17 ^{1/4} "	17 ^{3/4} "	5 ^{3/4} "	4 ^{1/4} "
356-00 (three)	13 ^{3/4} "	14 ^{1/4} "	14 ^{3/4} "	15 ^{1/4} "	15 ^{3/4} "	16 ^{1/4} "	16 ^{3/4} "	17 ^{1/4} "	17 ^{3/4} "	4 ^{1/2} "	3 ^{1/4} "
751-01 (seven)	13 ^{3/4} "	14 ^{1/4} "	14 ^{3/4} "	15 ^{1/4} "	15 ^{3/4} "	16 ^{1/4} "	16 ^{3/4} "	17 ^{1/4} "	17 ^{3/4} "	3 ^{3/4} "	2 ^{1/4} "
365-01 (three)	13 ^{3/4} "	14 ^{1/4} "	14 ^{3/4} "	15 ^{1/4} "	15 ^{3/4} "	16 ^{1/4} "	16 ^{3/4} "	17 ^{1/4} "	17 ^{3/4} "	4 ^{1/4} "	2 ^{3/4} "
752-01 (eight)	14 ^{1/4} "	14 ^{3/4} "	15 ^{1/4} "	15 ^{3/4} "	16 ^{1/4} "	16 ^{3/4} "	17 ^{1/4} "	17 ^{3/4} "	18 ^{1/4} "	3 ^{3/4} "	2 ^{1/4} "
355-00 (three)	14 ^{1/2} "	15"	15 ^{1/2} "	16"	16 ^{1/2} "	17"	17 ^{1/2} "	18"	18 ^{1/2} "	5 ^{1/2} "	4"
360-00 (single)	16"	16 ^{1/2} "	17"	17 ^{1/2} "	18"	18 ^{1/2} "	19"	19 ^{1/2} "	20"	8"*	6 ^{1/2} **
354-00 (three)	16"	16 ^{1/2} "	17"	17 ^{1/2} "	18"	18 ^{1/2} "	19"	19 ^{1/2} "	20"	7"	5 ^{1/2} "
751-05 (seven)	16"	16 ^{1/2} "	17"	17 ^{1/2} "	18"	18 ^{1/2} "	19"	19 ^{1/2} "	20"	6"	4 ^{1/2} "
751-06 (seven) (for single axle)	16"	16 ^{1/2} "	17"	17 ^{1/2} "	18"	18 ^{1/2} "	19"	19 ^{1/2} "	20"	6"	4 ^{1/2} "
365-00 (three)	16"	16 ^{1/2} "	17"	17 ^{1/2} "	18"	18 ^{1/2} "	19"	19 ^{1/2} "	20"	6 ^{1/2} "	5"
752-05 (eight)	16 ^{1/2} "	17"	17 ^{1/2} "	18"	18 ^{1/2} "	19"	19 ^{1/2} "	20"	20 ^{1/2} "	6"	4 ^{1/2} "
752-06 (eight) (for single axle)	16 ^{1/2} "	17"	17 ^{1/2} "	18"	18 ^{1/2} "	19"	19 ^{1/2} "	20"	20 ^{1/2} "	6"	4 ^{1/2} "

Mounting heights shown are for **FABRICATED** hangers...springs Unloaded.

These dimensions should be considered approximations due to spring tolerances, etc...Cast Hangers produce slightly lower heights: (1/4 - 3/8")

Mount Heights must not exceed 17-1/4" on No-Hop suspensions. For best performance, do not exceed 17-1/4" mounting heights on ANY suspension.

It is recommended that a minimum of 4-1/2" vertical clearance be maintained above the tires with trailer or chassis in an unloaded condition.

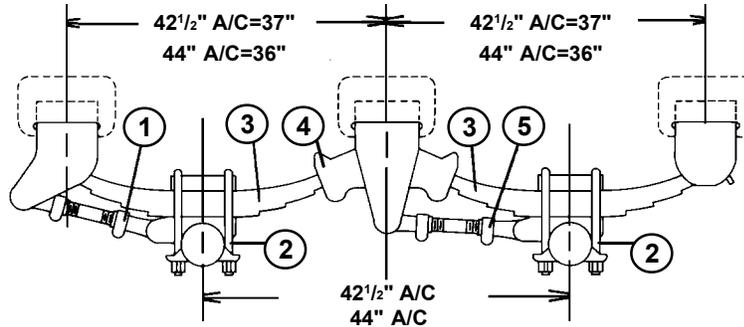
When using springs other than 751/52-06 in single applications, expect a slight reduction in mounting height. (Approx. 1/4".)

*For single leaf, underslung application, refer to Hutch drawing number 9880-00.



HUTCHENS H9700 and CH9700 SUSPENSIONS

H9700 and CH9700 Suspensions With Optional 42-1/2" and 44" Axle Centers



42 1/2" Axle Centers

On the Overslung, Underslung and Inverted U-bolts, H and CH-9700 series suspensions with 42 1/2" axle centers. The parts **not interchangeable** with the standard 49" axle center models are as follows:

Item	Part No.	Quantity	Description
5	16398-02*	2	Adj. radius rod with bushing - 16" long.
1	16398-01*	2	Adj. radius rod with bushing - 14" long.
2	See Below	8	U-bolts
3	See Below	4	Spring Assembly
4	16158-01	2	Rocker with Rubber Bushing (Fabricated)

44" Axle Centers

On the Overslung, Underslung and Inverted U-bolts, H and CH-9700 series suspensions with 44" axle centers. The parts **not interchangeable** with the standard 49" axle center models are as follows:

Item	Part No.	Quantity	Description
1	16398-01	4	Adj. Radius Rod With Bushing - 14" C/C
2	See Below	8	U-bolts
3	See Below	4	Spring Assembly
4	24711-01	2	Cast Rocker with Rubber Bushing
For use with TRA2717-SP Spring Ass'y or TRA026			
5	16398-03	2	Adj. Radius Rod With Bushing - 16.62" C/C

*On the 42-1/2" and 44" A/C models all radius rods are adjustable.

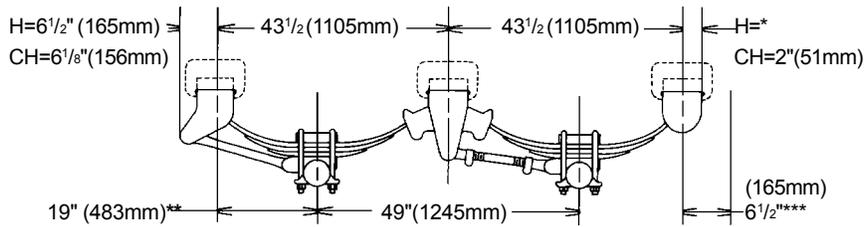
Mounting Heights and U-Bolt Lengths For Suspensions With 42 1/2" and 44" Axle Centers

Spring Ass'y	5 Inch Round Axle									
	Spring Seat Height in Inches	3/4	1-1/4	1-3/4	2-1/4	2-3/4	3-1/4	3-3/4	4-1/4	4-3/4
TRA-2717-SP (6 Leaf)	Mounting Height in Inches	14 1/8	14 5/8	15 1/8	15 5/8	16 1/8	16 5/8	17 1/8	17 5/8	18 1/8
	U-Bolt Length in Inches*	11	12	12	13	13	14	14	15	15
TRA026 (Single Leaf)	Spring Seat Height in Inches	3/4	1-1/4	1-3/4	2-1/4	2-3/4	3-1/4	3-3/4	4-1/4	4-3/4
	Mounting Height in Inches	13 1/4	13 3/4	14 1/4	14 3/4	15 1/4	15 3/4	16 1/4	16 3/4	17 1/4
	U-Bolt Length in Inches*	10	10	11	11	12	12	13	13	14

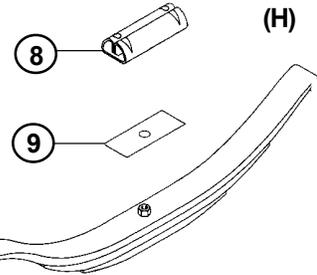
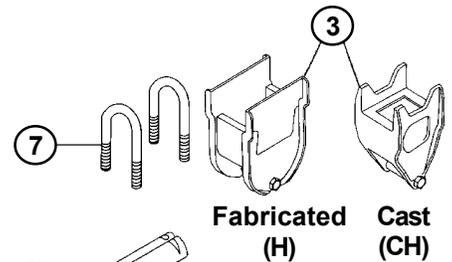
*U-bolt part numbers beginning with "7/8X3X"--



HUTCHENS H9700 and CH9700 SUSPENSIONS



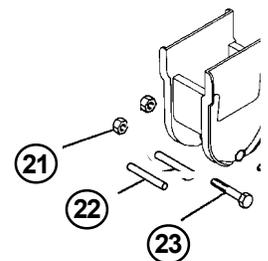
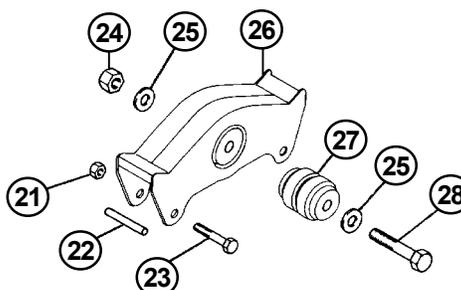
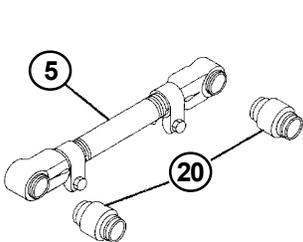
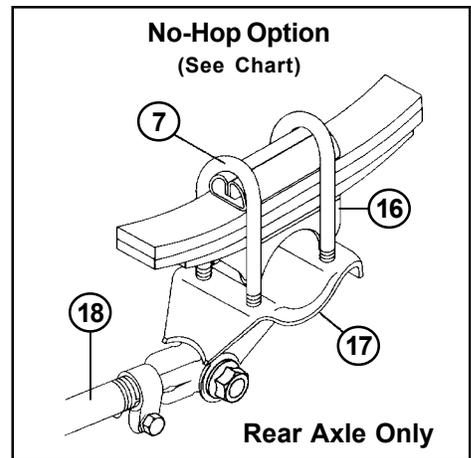
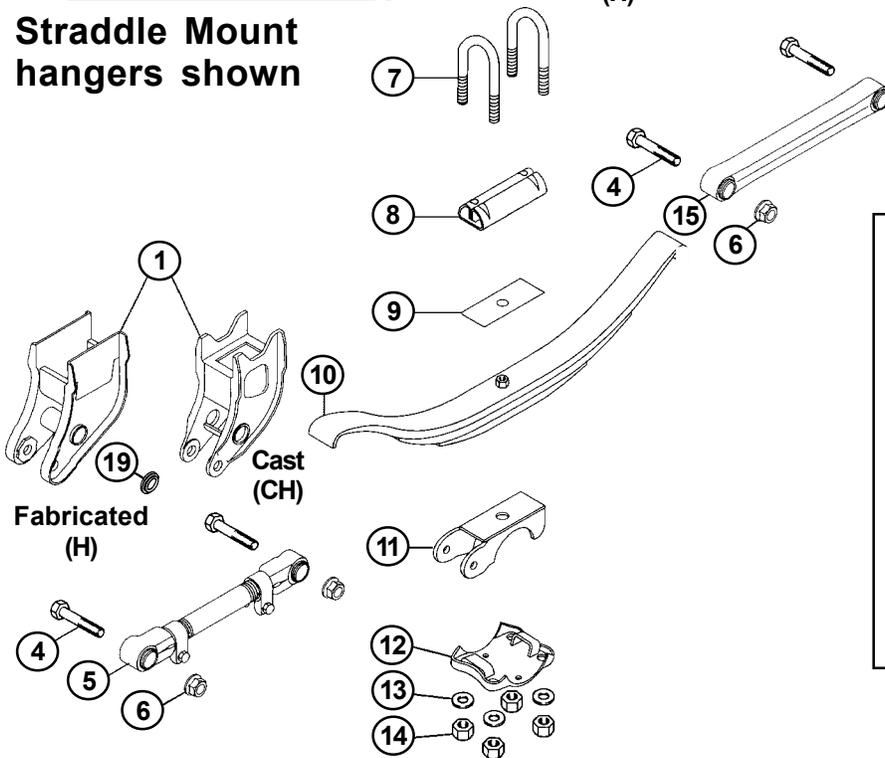
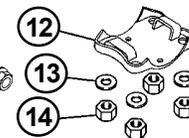
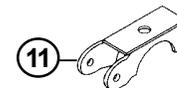
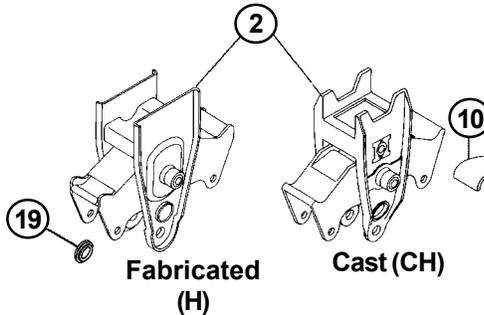
* Str/Mt- $3\frac{1}{2}"$ (89mm), Un/mt & Si/mt= $3\frac{7}{8}"$ (99mm), Fl/mt- $5\frac{1}{2}"$ (140mm)
 ** Ref.: This dimension may vary with changes in springs, spring seat heights, etc.
 *** Recommended spring clearance.



H9700 and CH9700



Straddle Mount hangers shown





HUTCHENS H-9700 and CH9700 SUSPENSIONS

Item	Part No.	Quantity		Description
		Single Axle	Tandem Axle	
1	See Hanger Chart A This Page	2	2	Front Spring Hanger
2	See Hanger Chart A This Page	0	2	Center Rock/Rocker Hanger Assembly
3	See hanger Chart A This Page	2	2	Rear Spring Hanger Assembly
4	719-02	4	8	Radius Rod Bolt - 1-14-UNS x 5
5	16398-04	1	2	Radius Rod With Bushing - 19.25 Long
6	10562-00	4	8	Flange Locknut - 1-14UNS, GR,F, Cad Pl.
7	See U-Bolt Chart B Page 181	4	8	U-Bolt - Std. 0.875 U-Bolt
8	16868-01	2	4	Top Plate
9	17350-02	2	4	Galvanized Spring Liner, 3.00" x 7.50"
10	See Spring Pages 153-156	2	4	Spring Assembly - Std. 3 Leaf (Shown)
11	See Spring Seat Chart C This Page	2	4	Spring Seat 5" Round (Shown)
12	See Bottom Plate Chart D Page 181	2	4	Bottom Plate, 5" Round, (Shown)
13	35-00 or 817-00	8	16	Washer-Pl, 15/16 ID x 1-3/4 OD (For Std. .875 U-Bolt)
		8	16	Washer - 1/8 x 13/16 ID x 1-1/2 OD (For Opt. .75 U-Bolt)
14	34-04 or 16303-01	8	16	Hex Nut - 7/8"-14UNF (For .875 U-Bolt Shown)
		8	16	Hex Nut - 3/4"-16UNF (For Optional .75 U-Bolt)
15	715-00	1	2	Nonadjustable Radius Rod With Bushing
16	See No-Hop Chart E Page 181	0	2	Spring Seat - Replaces rear Spring Seat Only
17	See No-Hop Chart E Page 181	0	2	Attach Fitting - Replaces Rear Bottom Plate Only
18	See No-Hop Chart E Page 181	0	2	Adjustable Rad. Rod W/Bushing - Replaces 1 adjustable and 1 nonadjustable radius rod on rear axle only.
19	7717-01	2 Per Hanger		Washer Bushing - Replaces side plate washer 10561-00 on fabricated front and center hangers only.
20	722-00	2 Per Radius Rod		Radius Rod Bushing Only - 3" Long
21	37-03	2 Per Rocker		Hex Lock Nut, 5/8-18UNF Gr. B (Shipped loose,
		1 Per Rear Hanger		not part of center rock and hanger ass'y. However it is part of rear hanger assembly.)
22	756-00	2 Per Rocker		Sleeve Spacer - 3/4 OD x 18 ga. x 3-1/4 long.
		1 Per Rear Hanger		Shipped loose, not part of center rock and hanger ass'y. However it is part of rear hanger assembly.)
23	759-00	2 Per Rocker		Hex Bolt - 5/8-18UNF x 4-1/2 Lg., Gr 2 - (Shipped loose,
		1 Per Rear Hanger		not part of center rocker and hanger ass'y. However it is part of rear hanger assembly.)
24	11154-00	1 Per Rocker		Hex Lock Nut - 1-1/8-7UNC, GR5
25	837-00	2 Per Rocker		Washer - 1/8 x 1-1/4 ID x 2-1/4 OD
26	16158-01 17784-01			Fabricated Rocker Assy w/Rubber Bushing (Shown) Cast Rocker Assembly w/Rubber Bushing (Not Shown)
27	18723-01	1 Per Rocker		Rocker Bushing Only - Rubber
28	16150-01	1 Per Rocker		Hex Cap Screw - 1-1/8" - 7 x 6.62" Lg., GR 5

HANGER CHART A (Fabricated (H) and Cast (CH) Hangers)

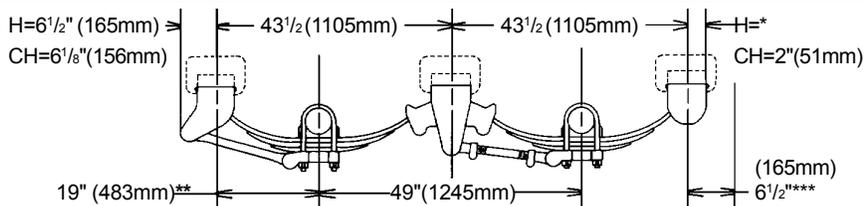
Description	Part No.	Str/Mt	Un/Mt	Side/Mt	Fl/Mt/Bo
Front Hgr., Fab (H)		7701-01	20728-01	20729-01/20730-01	7701-07/7701-08
Front Hgr., Cast (CH)		702-01	L 16291-03 R 16291-04	L 16291-03 R 16291-04	L 702-11 R 702-12
Rocker & Hgr. Assy., Fab. (H)	16319-	-01	-02	-04	-07
Rocker & Hgr. Assy., Cast (CH)	16319-	-51	-52	-52	-57
Rocker Hgr. Only, Fab (H)		16169-01	16171-01	16175-01	16178-01
Rocker Hgr. Only, Cast (CH)		16196-03	16197-03	16197-03	16199-03
Rear Hgr. Assy., Fab. (H)	7703-	-01	20732-01	20733-01 20734-04	L-07 R-08
Rear Hgr. Assy., Cast (CH)		712-01	L 16293-01 R 16293-02	L 16293-01 R 16293-02	L 712-11 R 712-12

SPRING SEAT CHART C

Seat Height	3/4	1 1/4	1 3/4	2 1/4	2 3/4	3 1/4	3 3/4	4 1/4	4 3/4
5" Round	19360-01	19360-02	19360-03	19360-04	19360-05	19360-06	19360-07	19360-08	19360-09
5" X 5" Square	19365-01	19365-02	19365-03	19365-04	19365-05	19365-06	19365-07	19365-08	19365-09
4" X 6" Rect.	19364-01	19364-02	19364-03	19364-04	19364-05	19364-06	19364-07	19364-08	19364-09



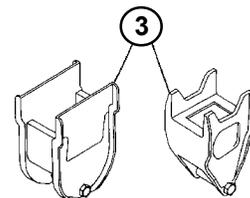
HUTCHENS UNDERSLUNG H9700 and CH9700 SUSPENSIONS



* Str/Mt-3 $\frac{1}{2}" (89\text{mm})$, Un/mt & Si/mt=3 $\frac{7}{8}" (99\text{mm})$, Fl/mt-5 $\frac{1}{2}" (140\text{mm})$

** Ref.: This dimension may vary with changes in springs, spring seat heights, etc.

*** Recommended spring clearance.



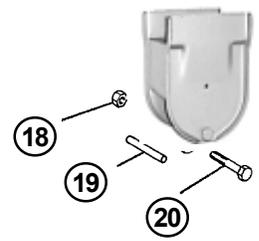
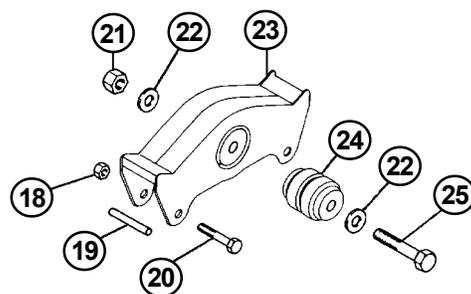
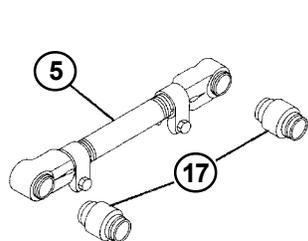
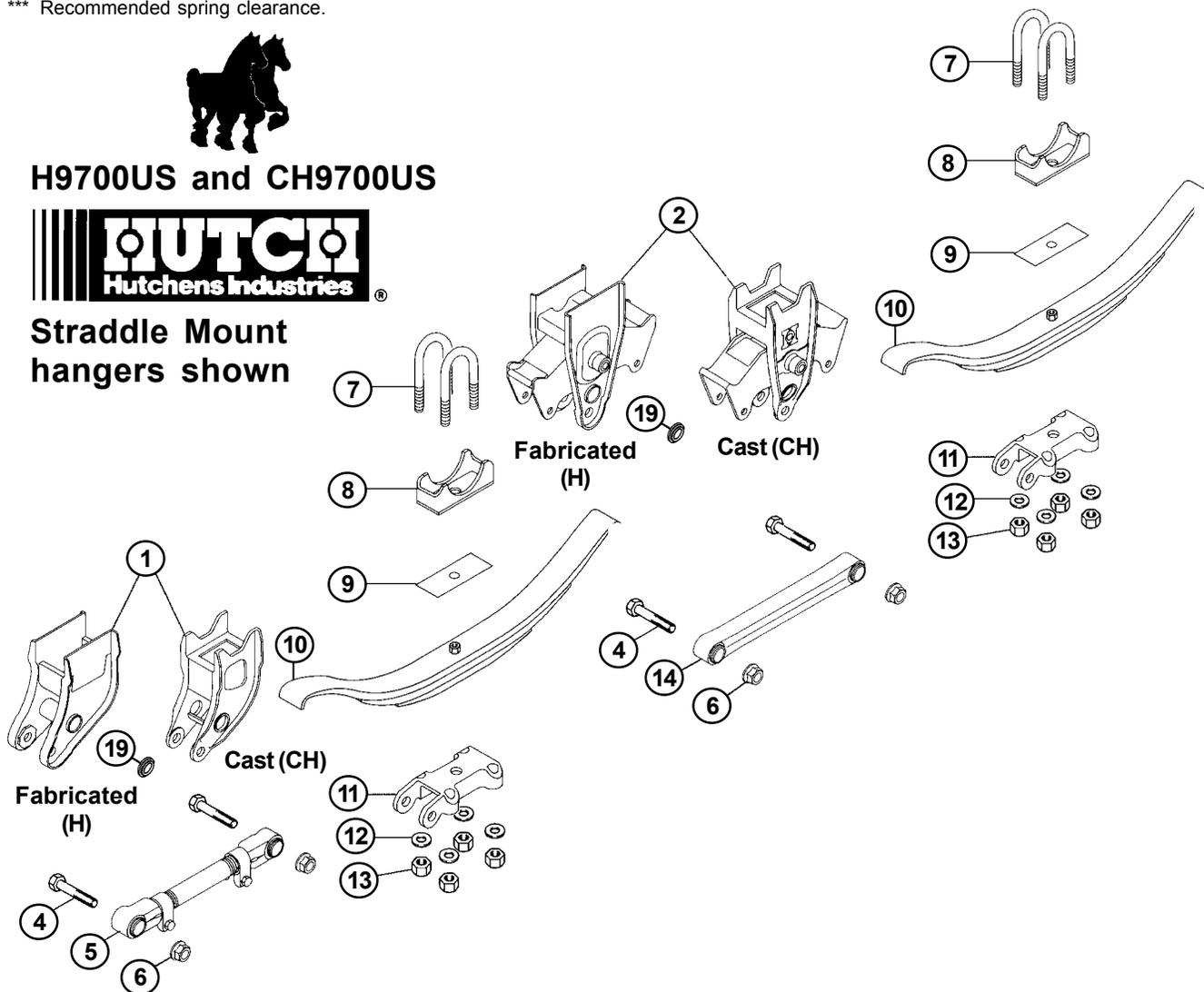
Fabricated (H) Cast (CH)



H9700US and CH9700US



Straddle Mount hangers shown





HUTCHENS UNDERSLUNG H9700US and CH9700US

Item	Part No.	Quantity		Description
		Single Axle	Tandem Axle	
1	See Hanger Chart A This Page	2	2	Front Spring Hanger
2	See Hanger Chart A This Page	0	2	Center Rock/Rocker Hanger Assembly
3	See hanger Chart A This Page	2	2	Rear Spring Hanger Assembly
4	719-02	4	8	Radius Rod Bolt - 1-14-UNS x 5
5	16398-04	1	2	Radius Rod With Bushing - 19.25 Long
6	10562-00	4	8	Flange Locknut - 1-14UNS, GR,F, Cad Pl.
7	See U-Bolt Chart F Page 181	4	8	U-Bolt - Std. 0.875 U-Bolt
8	See Spring Seat Chart G This Page	2	4	Spring Seat 5" Round (Shown)
9	17350-02	2	4	Galvanized Spring Liner, 3.00" x 7.50"
10	See Spring Pages 153-156	2	4	Spring Assembly - Std. 3 Leaf (Shown)
11	706-01	2	4	Bottom Plate Att. for 5" round and 5" square, -not 4x6.
12	35-00 or 817-00	8 8	16 16	Washer-Pl, 15/16 ID x 1-3/4 OD (For Std. .875 U-Bolt) Washer - 1/8 x 13/16 ID x 1-1/2 OD (For Opt. .75 U-Bolt)
13	34-04 or 16303-01	8 8	16 16	Hex Nut - 7/8"-14UNF (For .875 U-Bolt Shown) Hex Nut - 3/4"-16UNF (For Optional .75 U-Bolt)
14	715-00	1	2	Nonadjustable Radius Rod With Bushing
16	7717-01	2 Per Hanger		Washer Bushing - Replaces side plate washer
10561-00 on fabricated front and center hangers only.				
17	722-00	2 Per Radius Rod		Radius Rod Bushing Only - 3" Long
18	37-03	2 Per Rocker		Hex Lock Nut, 5/8-18UNF Gr. B (Shipped loose,
		1 Per Rear Hanger		not part of center rock and hanger ass'y. However it is part of rear hanger assembly.)
19	756-00	2 Per Rocker 1 Per Rear Hanger		Sleeve Spacer - 3/4 OD x 18 ga. x 3-1/4 long. (Shipped loose, not part of center rock and hanger ass'y. However it is part of rear hanger assembly.)
20	759-00	2 Per Rocker 1 Per Rear Hanger		Hex Bolt - 5/8-18UNF x 4-1/2 Lg., Gr 2 - (Shipped loose, not part of center rock and hanger ass'y. However it is part of rear hanger assembly.)
21	11154-00	1 Per Rocker		Hex Lock Nut - 1-1/8-7UNC, GR5
22	837-00	2 Per Rocker		Washer - 1/8 x 1-1/4 ID x 2-1/4 OD
23	16158-01 17784-01			Fabricated Rocker Assy w/Rubber Bushing (Shown) Cast Rocker Assembly w/Rubber Bushing (Not Shown)
24	18723-01	1 Per Rocker		Rocker Bushing Only - Rubber
25	16150-01	1 Per Rocker		Hex Cap Screw - 1-1/8" - 7 x 6.62" Lg., GR 5

HANGER CHART A (Fabricated (H) and Cast (CH) Hangers)

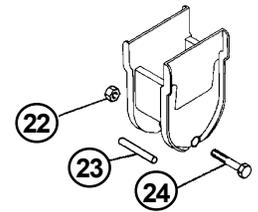
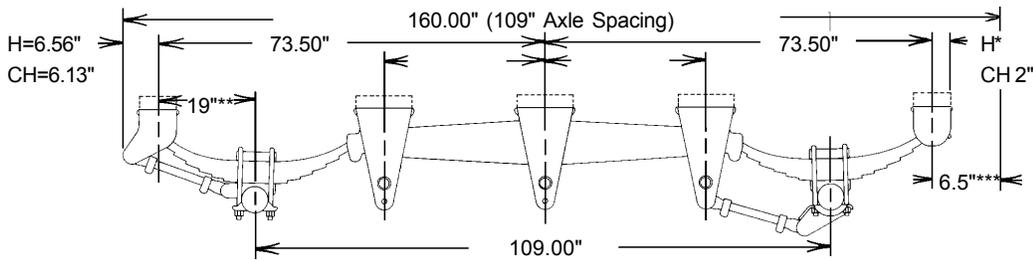
Description	Part No.	Str/Mt	Un/Mt	Side/Mt	FI/Mt/Bo
Front Hgr., Fab (H)	7701-	-01	-02	L-03 R-04	L-07 R-08
Front Hgr., Cast (CH)		702-01	L 16291-03 R y	L 16291-03 R 16291-04	L 702-11 R 702-12
Rocker & Hgr. Assy., Fab. (H)	16319-	-01	-02	-04	-07
Rocker & Hgr. Assy., Cast (CH)	16319-	-51	-52	-52	-57
Rocker Hgr. Only, Fab (H)		16169-01	16171-01	16175-01	16178-01
Rocker Hgr. Only, Cast (CH)		16196-03	16197-03	16197-03	16199-03
Rear Hgr. Assy., Fab. (H)	7703-	-01	20732-01	20733-01 20734-04	L-07 R-08
Rear Hgr. Assy., Cast (CH)		712-01	L y R 16293-02	L 16293-01 R 16293-02	L 712-11 R 712-12

SPRING SEAT CHART G

Seat Height	3/4	1 1/4	1 3/4	2 1/4	2 3/4	3 1/4	3 3/4	4 1/4	4 3/4
5" Round	22215-01	22215-02	22215-03	22215-04	NR	--	--	--	--
5" X 5" Square	7759-01	7759-02	7759-03	7759-04	NR	--	--	--	--
4" X 6" Rect.	NR	7727-02	7727-03	7727-04	NR	--	--	--	--



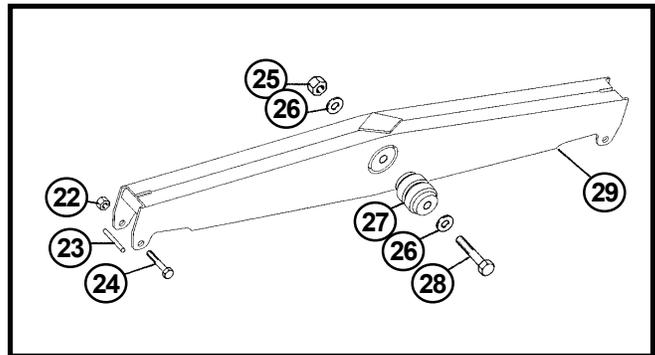
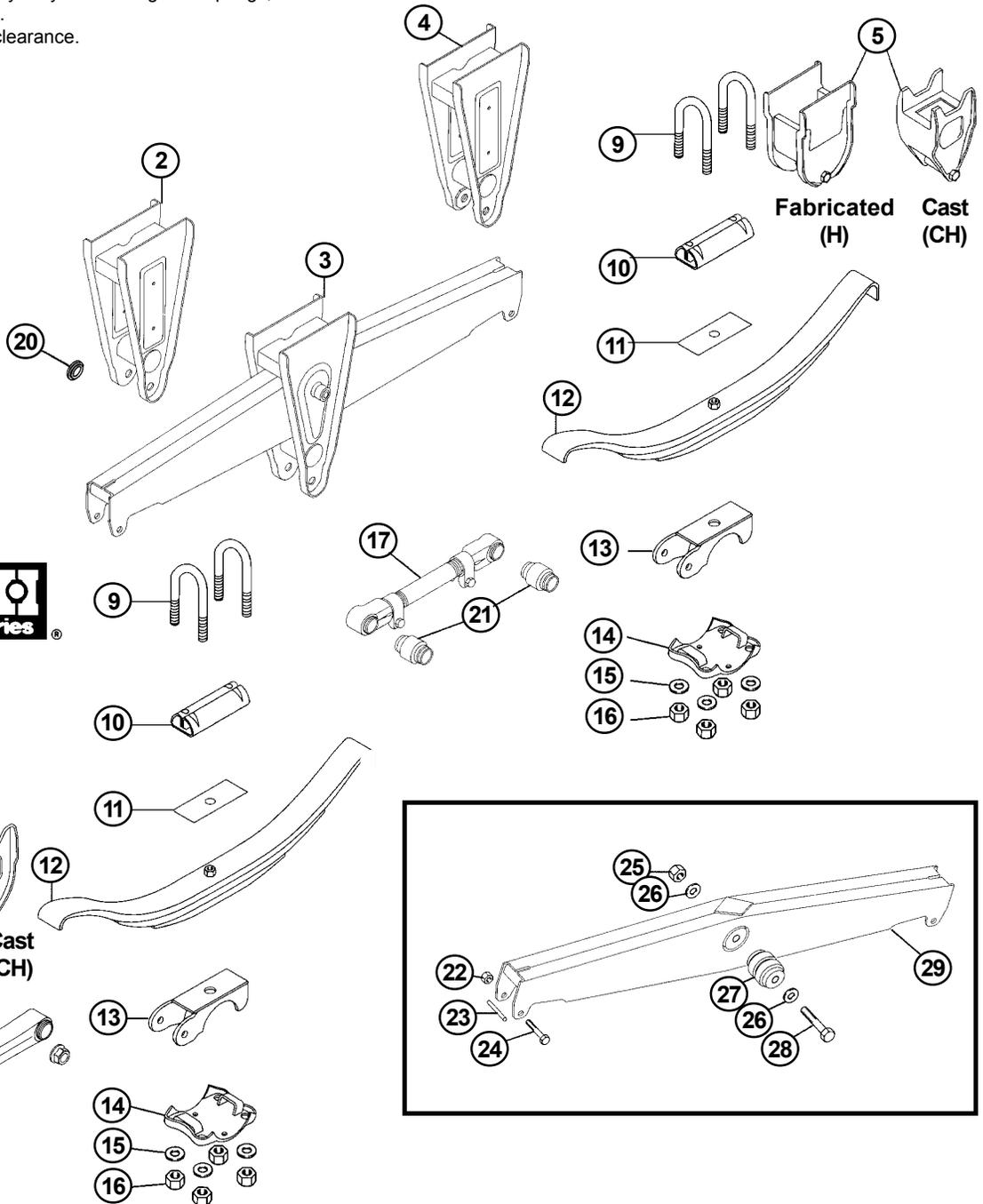
HUTCHENS H9700 and CH9700 109" WIDESPREAD SUSPENSIONS



- * Str/Mt-3¹/₂"(89mm), Un/mt & Si/mt=3⁷/₈"(99mm), Fl/mt-5¹/₂"(140mm)
- ** Ref.: This dimension may vary with changes in springs, spring seat heights, etc.
- *** Recommended spring clearance.

**H9700
and
CH9700
TWS
109"
Axle Spacing**

**Straddle
Mount
hangers
shown**





HUTCHENS H9700 and CH9700 109" WIDESPREAD SUSPENSIONS

Item	Part No.	Quantity		Description
		Tandem Axle		
1	See Hanger Chart H, This Page	2		Front Spring Hanger
2	See Hanger Chart H, This Page	2		Front Beam Guide - (Optional)
3	See Hanger Chart H, This Page	2		Center Rocker/Rocker Hanger Ass'y
4	See Hanger Chart H, This Page	2		Rear Beam Guide - Att.
5	See Hanger Chart H, This Page	2		Rear Spring Hanger Ass'y
6	719-02	8		Radius Rod Bolt - Hex Bolt - 1-14-UNS x 5
7	715-00	1		Non-adj. Rad. Rod w/Bushing, 19.25 Lg, Frt Curbside (RH) Only
8	10562-00	8		Flange Locknut - 1-14UNS, GR,F, Cad PI.
9	See U-Bolt Chart B, Page 181	8		U-Bolt - Std. 0.875 U-Bolt (Shown)
10	16868-01	4		Top Plate
11	17350-02	4		Galvanized Spring Liner, 3.00" x 7.50"
12	See Spring Pages 153-156	4		Spring Assembly - Standard 3 leaf (Shown)
13	Spring Seat Chart C Page 176	2		Spring Seat, 5" Round, (Shown)
14	Bottom Plate Chart D page 181	2		Bottom Plate - 5" Round (Shown)
15	35-00 or 817-00	16 16		Washer-PI, 15/16 ID x 1-3/4 OD (For Std. .875 U-Bolt) Washer - 1/8 X 13/16 ID x 1-1/2 OD (For Opt. .75 U-Bolt)
16	34-04 or 16303-01	16 16		Hex Nut - 7/8"-14UNF (For .875 U-Bolt Shown) Hex Nut - 3/4"-16UNF (For Optional .75 U-Bolt)
17	16398-04 16398-17	1 2 2		Adj. Radius Rod w/Bushing-19.25 Lg.- Front Roadside (LH) Only Rear, Both Sides (LH & RH) When Using 5" Round Axles Adj. Radius Rod w/Bushing-17 Lg. Adj. to 17-1/4, Both Rear Sides (LH & RH) When Using 5"x5" Square or 4"x6" Rect.
18	No-Hop Option N/A for TWS	--		
19	No-Hop Option N/A for TWS	--		
20	7717-01	2 Per Hanger		Washer Bushing - Replaces side plate washer 10561-00 on fabricated front and center hangers only.
21	722-00	2 Per Radius Rod		Radius Rod Bushing Only - 3" Lg.
22	37-03	2 Per Rocker		Hex Lock Nut, 5/8-18UNF Gr. B (Shipped loose, not part of 1 Per Rear Hanger center rock and hanger ass'y. However it is part of rear hanger assembly.)
23	756-00	2 Per Rocker 1 Per Rear Hanger		Sleeve Spacer - 3/4 OD x 18 ga. x 3-1/4 long. (Shipped loose, not part of center rock and hanger ass'y. However it is part of rear hanger assembly.)
24	759-00	2 Per Rocker 1 Per Rear Hanger		Hex Bolt - 5/8-18UNF x 4-1/2 Lg., Gr 2 - (Shipped loose, not part of center rock and hanger ass'y. However it is part of rear hanger assembly.)
25	11154-00	1 Per Rocker		Hex Lock Nut - 1 1/8-7UNC, GR 5
26	837-00	2 Per Rocker		Washer - 1/8 x 1 1/4 ID x 2 1/4 OD
27	18723-01	1 Per Rocker		Rocker Bushing Only - Rubber
28	16150-01	1 Per Rocker		Hex Cap Screw - 1-1/8" - 7 x 6.62" Lg., GR 5
29	16168-10	2		Fabricated Rocker Assy, w/Rubber Bushing, 109" Axle Spacing

HANGER CHART H (Fabricated (H) and Cast (CH) Hangers)

Description	Part No.	Straddle	LH Under RH	LH Side RH	LH Flange RH
Front Hgr., Fab (H)		7701-01	20728-01	20729-01 / 20730-01	7701-07 / 7701-08
Front Hgr., Cast (CH)		702-01	16291-03 / 16291-04	16291-03 / 16291-04	702-11 / 702-12
Rear Beam Guide, Fab. (H)		7707-13	7707-14	N/A	N/A
Center Rocker & Hanger Ass'y (109)	16457	16457-01	16457-03	N/A	N/A
Rocker Hgr. Only, Fab (H)		16184-01	16185-01	N/A	N/A
Rocker Hgr. Only, Cast (CH)		16639-03	16640-03	N/A	16641-03
Rear Hgr. Assy., Fab. (H)		7703-01	20732-01	20733-01 20734-01	7703-07 / 7703-08
Rear Hgr. Assy., Cast (CH)		712-01	LH 16293-01 RH 16293-02	LH 16293-01 RH 16293-02	LH 712-11 RH 712-12



HUTCHENS H9700 and CH9700 SUSPENSIONS

U-BOLT CHART B

5" Round Axle

U-bolt lengths necessary for various seat height - spring combinations

7/8" Dia. Std. x 3" Round 7040-(See Length Below)

3/4" Dia. Opt. x 3" Round 16300-(See Length Below)

Seat Height	Single Leaf Spring		Two leaf Spring		Three Leaf Spring		Seven Leaf Spring		Eight Leaf Spring	
	Leaf	Lgth	leaf	Lgth	Leaf	Lgth	Leaf	Lgth	Leaf	Lgth
3/4	-06	9 ³ / ₄	-07	10 ¹ / ₄	-08	10 ³ / ₄	-10	11 ³ / ₄	-11	12 ¹ / ₄
1 ¹ / ₄	-07	10 ¹ / ₄	-08	10 ³ / ₄	-09	11 ¹ / ₄	-11	12 ³ / ₄	-12	12 ³ / ₄
1 ³ / ₄	-08	10 ³ / ₄	-09	11 ¹ / ₄	-10	11 ³ / ₄	-12	12 ³ / ₄	-13	13 ¹ / ₄
2 ¹ / ₄	-09	11 ¹ / ₄	-10	11 ³ / ₄	-11	12 ¹ / ₄	-13	13 ³ / ₄	-14	13 ³ / ₄
2 ³ / ₄	-10	11 ³ / ₄	-11	12 ¹ / ₄	-12	12 ³ / ₄	-14	13 ³ / ₄	-15	14 ¹ / ₄
3 ¹ / ₄	-11	12 ¹ / ₄	-12	12 ³ / ₄	-13	13 ¹ / ₄	-15	14 ³ / ₄	-16	14 ³ / ₄
3 ³ / ₄	-12	12 ³ / ₄	-13	13 ¹ / ₄	-14	13 ³ / ₄	-16	14 ³ / ₄	-17	15 ¹ / ₄
4 ¹ / ₄	-13	13 ¹ / ₄	-14	13 ³ / ₄	-15	14 ¹ / ₄	-17	15 ³ / ₄	-18	15 ³ / ₄
4 ³ / ₄	-14	13 ³ / ₄	-15	14 ¹ / ₄	-16	14 ³ / ₄	-18	15 ³ / ₄	-19	16 ¹ / ₄

U-BOLT CHART F

5" Round Underslung Axle

U-bolt lengths necessary for various UNDERSLUNG seat height - spring combinations
 7/8" Diameter x 5" Round 7816-(See Below)
 (See Also U-bolt Pages 310, 311)

Seat Height	Single Leaf Spring		Two leaf Spring		Three Leaf Spring		Seven Leaf Spring		Eight Leaf Spring	
	Leaf	Lgth	leaf	Lgth	Leaf	Lgth	Leaf	Lgth	Leaf	Lgth
3/4	-08	10 ³ / ₄	-09	11 ¹ / ₄	-10	11 ³ / ₄	-12	12 ³ / ₄	-13	13 ¹ / ₄
1 ¹ / ₄	-09	11 ¹ / ₄	-10	11 ³ / ₄	-11	12 ¹ / ₄	-13	13 ³ / ₄	-14	13 ³ / ₄
1 ³ / ₄	-10	11 ³ / ₄	-11	12 ¹ / ₄	-12	12 ³ / ₄	-14	13 ³ / ₄	-15	14 ¹ / ₄
2 ¹ / ₄	-11	12 ¹ / ₄	-12	12 ³ / ₄	-13	13 ¹ / ₄	-15	14 ³ / ₄	-16	14 ³ / ₄



ADD 1/2" TO U-BOLT LENGTH IF USING HEAVY DUTY 3 LEAF SPRINGS

BOTTOM PLATE CHART D

Axle Size	Bottom Plate Part No.
5" Rd. w/7/8" Dia. U-Bolts	710-00
5" Rd. w/3/4" Dia. U-bolts	16297-01
5" x 5" Square	7747-01
4" x 6" Rect.	7746-00

NO-HOP OPTION CHART E - AXLE GROUP
5" Round Axle

Seat Height	Radius Rod	Attach Fitting		Seat
		w/7/8" U-Bolts	w/3/4" U-Bolts	
3/4"	16398-06	10775-00	16308-01	22215-01
1 ¹ / ₄ "	16398-06	10775-00	16308-01	22215-02
1 ³ / ₄ "	16398-06	10775-00	16308-01	22215-03
2 ¹ / ₄ "	16398-06	10775-00	16308-01	22215-04

We do not use the Hutchens part number for our U-bolts. Here is an interchange:

Hutch No.	Our No.	Description
7040-09	7/8X3X11	11.25"
7040-11	7/8X3X12	12.25"
7040-13	7/8X3X13	13.25"
7040-15	7/8X3X14	14.25"
7040-19	7/8X3X16	16.25"
7816-11	7/8X5X12	12.25"





HUTCHENS TRAILER SLIDERS

**After all these years, it is still the most durable
and reliable slider on the road today.**

The Hutch 9800 Series of sliders is a continuously evolving line of trailer slider systems.

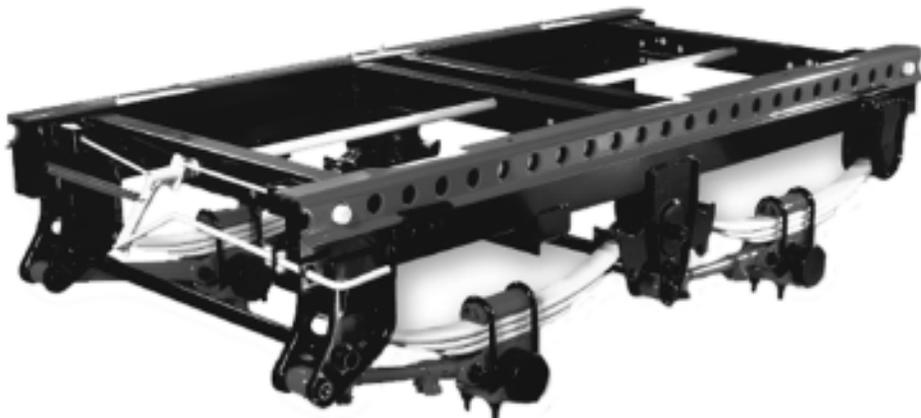
Whether your requirements are for a standard 49" tandem axle or a widespread axle application, the 9800 Series has a sliding subframe to fit your specific needs.

Overall subframe heights from 8 1/2" to 10 1/2" deep (as measured from the top of the body rail to the bottom of the subframe) combined with our versatile Hutch 9700 Series suspension results in a wide variation of mounting heights and weight capacities up to 25,000 lbs./axle.

All 9800 Series sliders offer the Hutch EZ-PULL pin release system as standard. The Hutch P3 (Pneumatic Pin Puller) air-actuated system is available as an option.

With all of these features, various widths, and body rail lengths up to 328", the Hutch 9800 family of sliders can meet any of your van trailer requirements.

Just like every other product that Hutchens offers, all 9800 Series sliders are manufactured using only the highest quality materials and are backed by our famous Hutch warranty.



How To Order Your 9800 Series Slider System

The basis of any order must begin with a complete description of the unit.

The following procedure will provide the descriptive information required:

*More Ordering Info on the
following pages!*

1. Determine the frame width required by adding 4" to the spring centers you will be using.
2. Determine the slider assembly depth you require. Slider depth is measured from the top of the body rails to the bottom of the sliding subframe.
3. Hutchens only provides 9800 Series sliders with hangers and pipe braces installed at our factory. Unless otherwise specified, fabricated (H) 9700 straddlemount hangers for 49" axle centers are assumed.
4. Select the range of slide adjustment you need and what body rail length will provide that range.
5. A locator bar assembly is a standard component with every Hutch slider. The locator bar should be used as directed when positioning the slider.



HUTCHENS TRAILER SLIDERS

H8500 SLIDER SERIES FOR FLATBED TRAILERS

Application:

The H-8500 sidemount friction slider is specially designed for platform trailers and similar applications where a mounting height approximating that of a standard spring suspension without a slider is desired. This slider is especially well suited for use with I-beam type frames. The H-8500 slider utilizes Hutchens sidemount hangers and is only supplied with hangers and pipe braces attached.

Capacity:

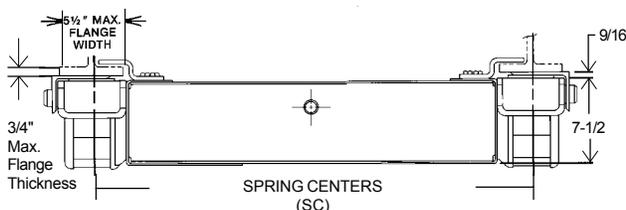
GAWR limited to 25,000 lbs per axle.

Options:

The H-8500 slider may be ordered with various spring center dimensions to accommodate different trailer frame widths. The slider is furnished with 192" body rails. Other lengths up to 240" are available upon request. Wide spreads and tri-axes are also available. Hutchens will build custom axle centers other than 49".

How to Order Your H-8500 Slider Assembly

1. Calculate what spring centers you intend to use. This measurement is generally the same as the measurement between the centerlines of the I-beam frame. See fig. 1.



2. Select the range of slide adjustment you need and determine what body rail length will provide that range. Standard rails are 192 inches in length. **See Chart B.**

3. A manual stop bar is a standard component with every Hutchens slider. The stop bar should be used as directed when positioning the slider.

Stocking Part Numbers:

Part No.	Description
H8500-38	Slider Box Only, With Hangers Installed. Hangers Are On 38" Spring Centers.
H8500-38-9700WR	Slider Box With Hangers Installed, Two 192" Slide Rails, One Manual Stop Bar and complete suspension. Hangers are on 38" Spring Centers

Special Application?

The H-8500 may be ordered with various spring center dimensions to accommodate different trailer frame widths. Call us for help in determining your requirements.

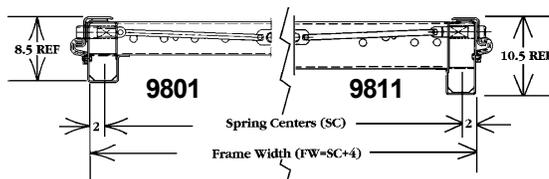
H9801/H9811 SLIDER SERIES FOR VAN TRAILERS

Application:

The 9801/9811 friction sliders are designed for VAN trailers and similar applications. This slider utilizes Hutchens straddlemount hangers and is offered here with hangers and pipe braces attached.

How to Order Your 9801/9811 Slider Assembly:

1. Determine the frame width required by adding 4 inches to the spring center measurement. All stocking H8800 sliders are provided with straddlemount hangers factory installed.



2. Select the range of slide adjustment you need and determine what body rail length will provide that range. See chart B for stocking rail part number and length, on the following pages showing the parts breakdowns.

STOCKING PART NUMBERS

**For H9800 Series Sliders in Stock
Sliders with 38" Spring Centers, 42" Box Width
With Straddle Hangers Installed***

Part No.	Description
H9801-42	Slider box with hangers
H9811-42	Slider box with hangers
H9811-42-192	Slider box with hangers and 192" rails, and one manual stop bar.
H9811-42-9700WR	Slider box with complete H9700** suspension, 192" rails and one manual stop bar.

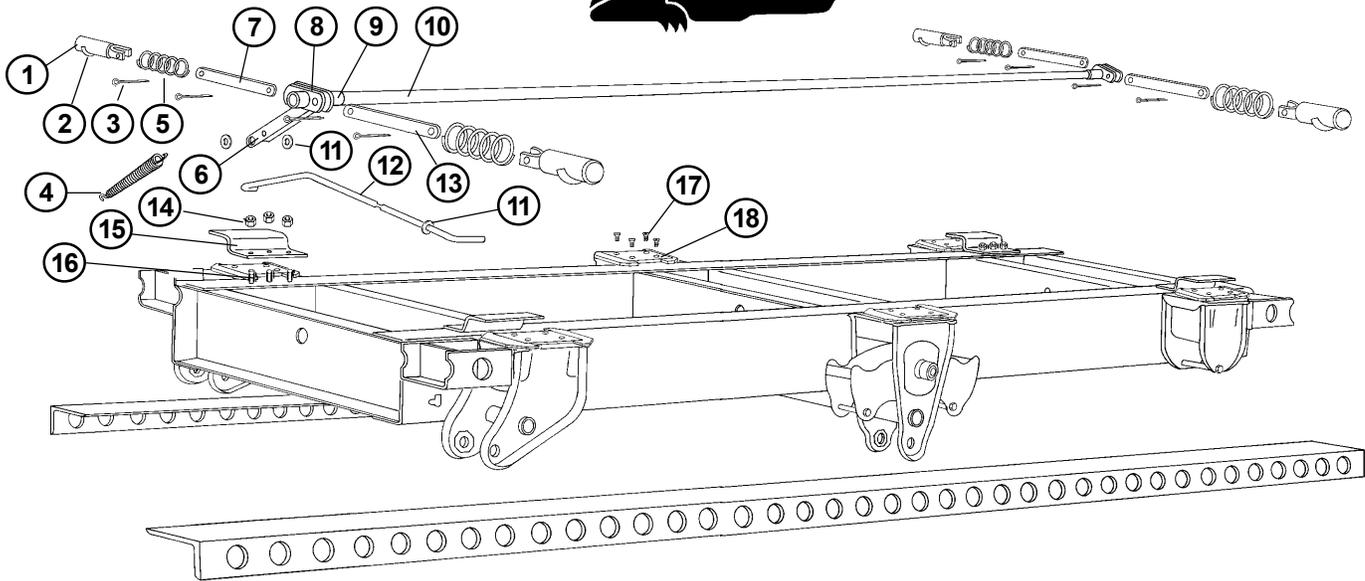
**Sliders with 44" Spring Centers, 48" Box Width
With Straddle Hangers Installed***

H9801-48	Slider box with hangers
H9811-48	Slider box with hangers
H9811-48-9700WR	Slider box with complete H9700** suspension, 192" rails and one and one manual stop bar.

* Factory hanger installation includes rockers.
 ** Suspension has 3/4" spring seats for 5 inch round axles, with U-bolts lengths for 3 leaf springs. These specifications can be changed to meet your needs. We can tailor a slider/suspension to your specific needs.

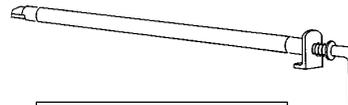


HUTCHENS TRAILER SLIDERS



The items listed below are for use with an H-8500 model slider having a standard axle spacing of 49 inches.

Item	Part No.	4-Pin	Description
1	11410-02	4	Lock Pin Assembly 9.19 lg.
2	11414-00	4	Special Half Washer
3	8016-00	8	Cotter pin, .38 x 1.25
4	8018-01	1	Spring 1 PD x 8.62
5	8098-01	4	Comp. Spring - Lock Pin
6	8026-00	1	Crank
7	See Chart A	2	Link (varies W/Frame Width)
8	8028-00	4	Cam
9	405-72	2	Pipe 1.25 Std. x 1.38
10	8010-17	1	Pipe 1" x 105"
11	8054-00	3	Plain Washer .625
12	8518-00	1	Handle
13	11412-03	2	Link 12.62 Long
14	33-01	12	Hex Locknut .5-20 UNF
15	8505-00	4	Slider Hold Down - Zee .375 x 6
16	8040-00	12	Hex Bolt- .50-20 UNF x 1.25
17	9627-00	24	Thread Forming Screw .3125 x 18 x .625, CS HD
18	12818-01	6	Slider Pad - .25 x 4 x 5.5



Manual Stop Bar	
Part No.	Sprg Centers
11641-05	38"

*Other lengths available

Chart B Body Rails (Dimensions in Inches)	
Part No.	
8178-02	
Length*:	192 Inches
Nominal	
Adjustment:	80 Inches

*Other lengths available

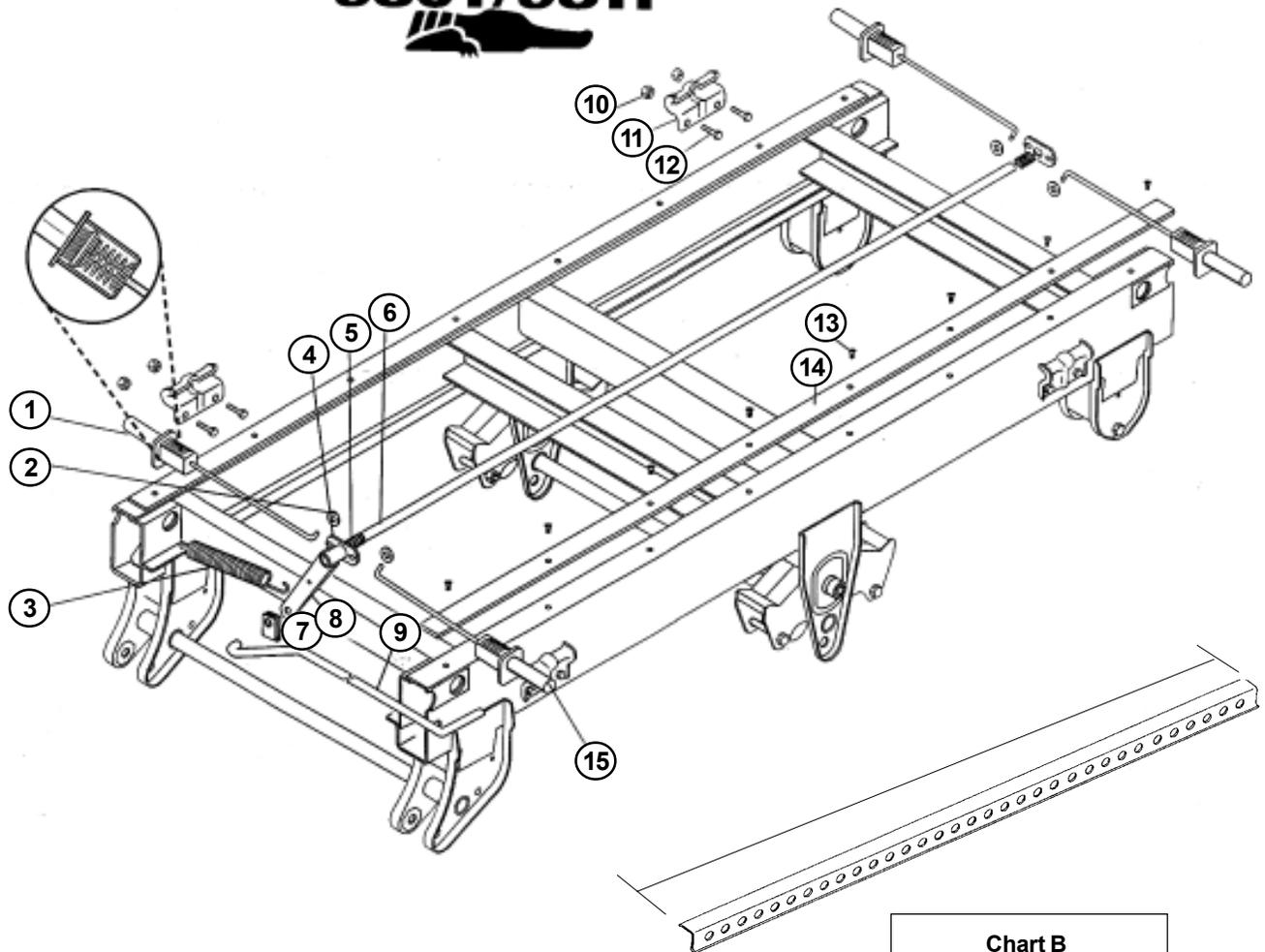
Chart A Spring Centers (In Inches)						
Item 7	36	37	38	42	43	44
Part No.	11412-08	11412-02	11412-03	11412-05	11412-16	11412-06
Length	10.62	11.62	12.62	16.62	17.62	18.62



HUTCHENS TRAILER SLIDERS

H9801 (8.5" tall) H9811 (10.5" tall)

9801/9811

Item	Part No.	Qty.	Description
1	19033-01	2	EZ-PULL Subassembly <i>if 42" wide box</i>
1	19033-03	2	EZ-PULL Subassembly <i>if 48" wide box</i>
2	177-00	4	Washer
3	8018-02	1	Spring 12GA x 1 PD x 10-1/8"
4	8028-00	2	Cam
5	18064-01	2	Compression Spring
6	8010-14	1	Pipe - 1" x 95"
7	11409-01	1	Handle Clip
8	19224-01	1	Crank
9	19468-01	1	Handle - Pin Release
10	33-01	8	Hex Lock Nut
11	20289-01	4	Hold Down Clip
12	8040-00	8	Hex Bolt- 1/2-20 UNF x 1.25"
13	9627-00	16	Thread Form Screw 5/16-18x5/8"
14	11421-01	2	Slider Pad
15	19033-03	2	EZ-PULL Subassembly 48" frame width

Chart B

Body Rail Assemblies

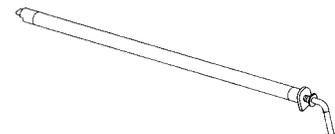
Part No.: 12713-09

Length*: 192 Inches

Part No. 12713-17

Length*: 240 Inches

*Other lengths available



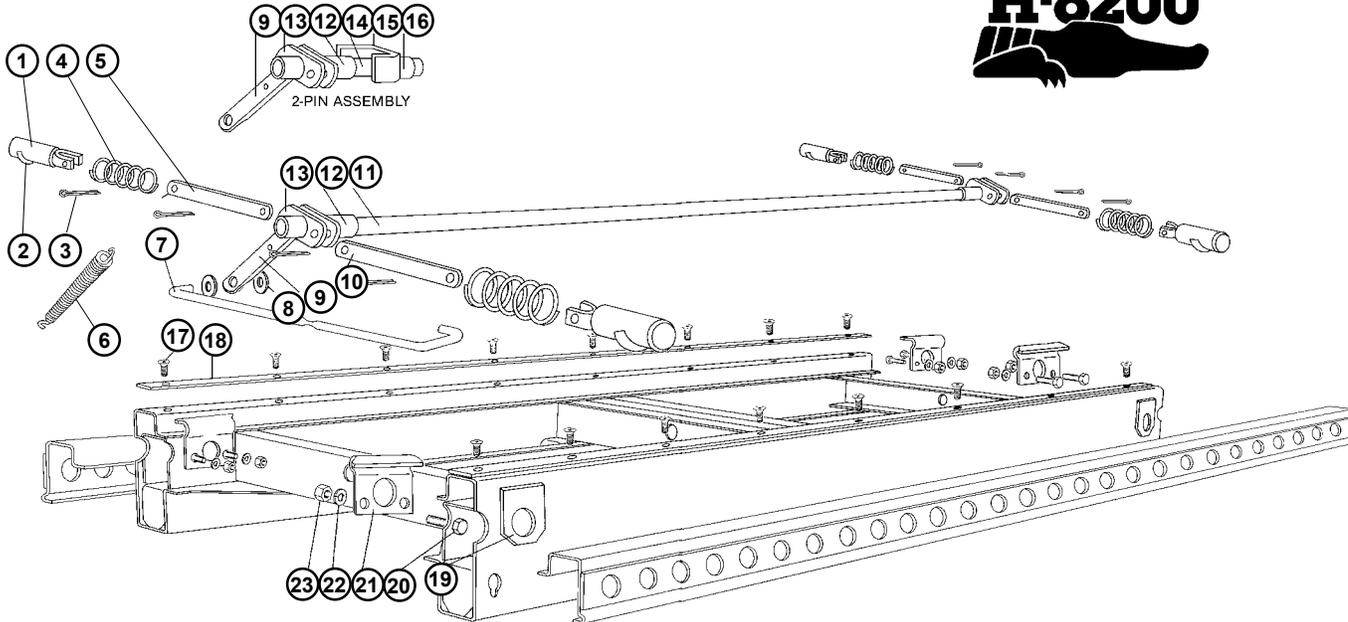
Manual Stop Bar

Part No.	Frame Width
11642-09	42"
11642-10	48"



HUTCHENS H8200 SERIES VAN TRAILER SLIDER

Shown for replacement parts only. Some parts may not be available. Box complete with hangers available. See part number below.



Item	Part No.	2-Pin	4-Pin	Description
1	11410-00	2	4	Lock Pin Assembly
2	11414-00	2	4	Special Half Washer
3	8016-00	4	8	Cotter Pin - 3/8 x 1 1/4
4	8098-01	2	4	Comp. Spring, Lock Pin
5	See Chart A	1	2	Link (Varies With Frame Width)
6	8018-02	1	1	Spring, Helix 12 ga.x1PDx10 1/8
7	11411-00	1	1	Handle - Pin Release
8	8054-00	2	2	Plain Washer - 5/8
9	8026-00	1	1	Crank
10	11412-04	1	2	Link - 13.62 Long
11	8010-14	0	1	Pipe, 1 Std x 95 Long
12	405-36	1	0	Pipe - 1 1/4 Std x 2 1/8 Long
13	8028-00	2	4	Cam
14	8010-52	1	0	Pipe - 1 Std x 8 Long
15	9276-00	1	0	Channel Bracket 2x2 3/8 x 4
16	405-01	1	0	Pipe-1 1/4 Std x 3/4 Long
17	9627-00	16	16	Th'd Forming Screw, 5/16-18 x 5/8, CSHD
18	11421-01	2	2	Slider Pad, 1/4 x 2 x 96 Long
19	11625-01	4	4	Bearing Plate
20	8040-00	8	8	Hex Bolt-1/2-20UNFx1-1/4
21	11420-00	4	4	Hold Down Clip
22	32-00	8	8	Lockwasher- 1/2 Med Spring
23	33-01	8	8	Hex Nut - 1/2-20 UNF

Chart A						
Item 5	Frame Width In Inches					
Part No.	38	40	41	42	47	48
11412-	-01	-02	-03	-04	06	-07
Length	09.62	11.62	12.62	13.62	18.62	19.62

Manual Stop Bar Assemblies	
Part No.	Frame Width
11485-14	42
11485-15	48

STOCKING PART NUMBERS For H8200 Series Slider Boxes Only With Straddle Hangers Factory Installed*	
Part No.	Description
H8200-42	Boxes with 38" Spring Centers, 42" Width Slider box with hangers
H8200-48	Boxes with 44" Spring Centers, 48" Width Slider box with hangers

Body Rail Assemblies	
Part No.	Length
18150-07	192"

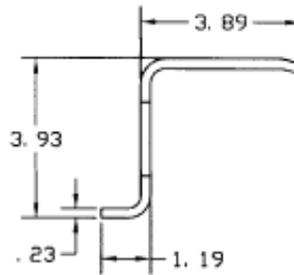
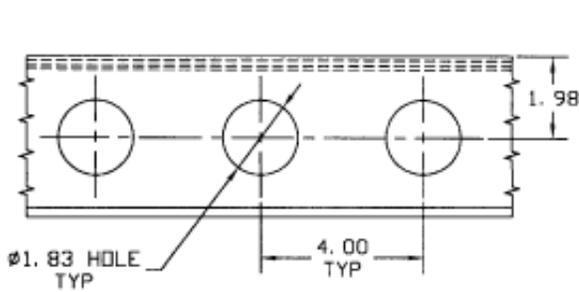
*Hanger installation includes rockers.



SLIDER RAIL CONFIGURATIONS

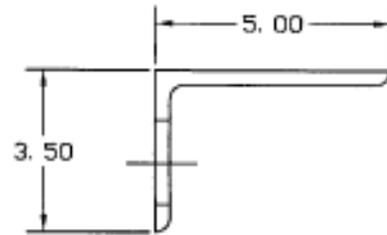
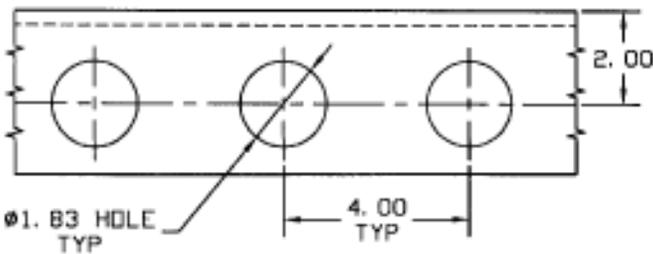
Hutch H98 Slider Rail Configuration
 Holes are on 4" Centers.
Applications: 8800, 98XX, 8900, 8901

Part No. 12713-09 (192")
Part No. 12713-14 (216")
Part No. 12713-17 (240")



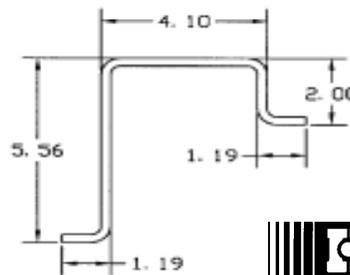
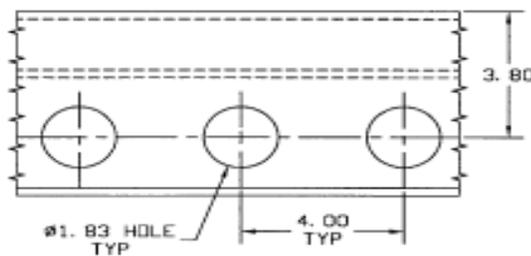
8178-XX Series Slider Rail Configuration
Application: 8500

Part No. 8178-02 (192")



18150-XX Series Slider Rail Configuration
Application: 8200

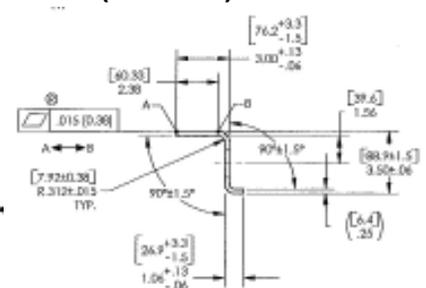
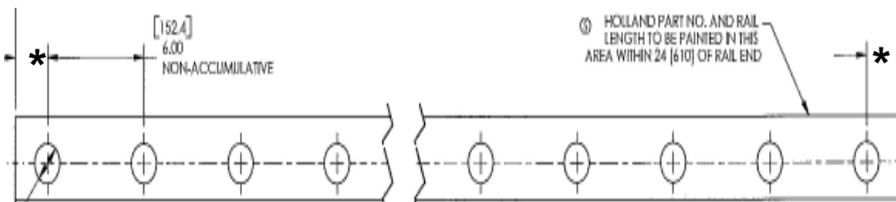
Part No. 18150-07 (192")



Holland Binkley Slider Rail Configuration - Holes are on 6" Centers. (Painted)

Part No. SL0853-40 (240")
Part No. SL0854-05 (248")
Part No. SL0854-15 (196")

SLO853 = *3" to first hole.
SLO854 = *1.5" to first hole.
SLO854 = *1.5" to first hole.





MISCELLANEOUS HUTCHENS SLIDER PARTS



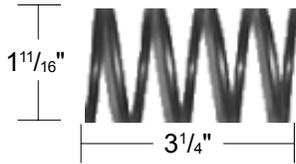
Air Valve Assy for P3 pin release	
Part No.	Application
17708-01	Pneumatic pin release



H8500 Slider Lock Pin	
Part No.	Application
11410-02	H-8500 4 Pin Slider



H8500 Lock Pin Half-Washer	
Part No.	Application
11414-00	H-8500 4 Pin Slider



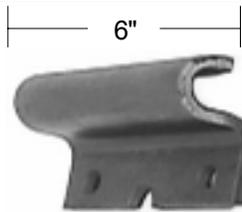
H8800 Lock Pin Comp. Spring	
Part No.	Application
12779-01	H8800 Slider



H8800 Lock Pin	
Part No.	Application
12716-01	H8800 Slider



H8800 Spring	
Part No.	Application
8018-02	H-9700 Suspension
13 Ga. x 1 PD x 10 1/8"	



H8800 Hold Down clip	
Part No.	Center to Center
12715-01	holes - 4"



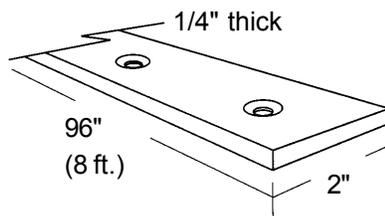
H8200 Lock Pin	
Part No.	Application
11410-00	H8200 Slider



Lock Pin Link		
Part No.	"A"	Application
11412-04	13 3/8"	H-8200 Slider



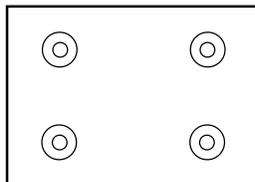
H8500 Lock Pin Comp. Spring	
Part No.	Application
8018-01	H8500 Slider
1 PD x 8.62"	



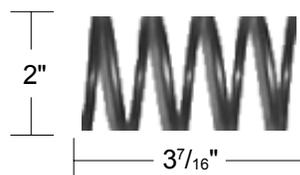
H8800 Slide Pad	
Part No.	Application
11421-01	H98 Series Slider



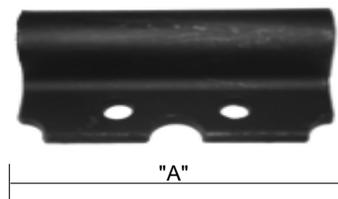
H8800 Slide Pad Screw	
Part No.	Application
9627-00	All Hutchens
5/16-18 x 5/8 Self Threading	



H8500 Slide Pad	
Part No.	Application
12818-01	H-8500 Slider
.25" x 4" x 5.5"	



H8500 Lock Pin Spring	
Part No.	Application
8098-01	H8500, H8000 Sliders



H9800 Hold Down Clip		
Part No.	"A"	Center to Center
20289-01	6"	holes -2-1/4"
replaces 17919-01, some H8800.		



HUTCHENS H-900 SERIES SINGLE POINT SUSPENSIONS

Application

The 900 series suspensions are designed for heavy-duty and/or off-road applications. The 900 is a single point suspension connected to the trailer frame by a trunnion located at the center of the suspension. This makes it ideal for logging, heavy load hauling and dump operations.



Capacity

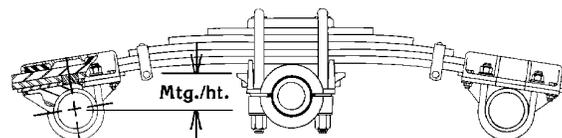
The 900 series suspensions are available in Gross Tandem Weight Ratings (GTWR) of 36,000, 42,000, 44,000, 50,000 and 60,000 lbs.

Options

Numerous mounting heights (Mtg./Ht. = The vertical distance from the centerline of the axle to the top of the trunnion hanger), axle and trunnion combinations are possible. These include overslung (OS, springs over axles) and underslung (US, springs under axles) axle units as well as overslung (springs over trunnion) and underslung (springs under trunnion) trunnion configurations.



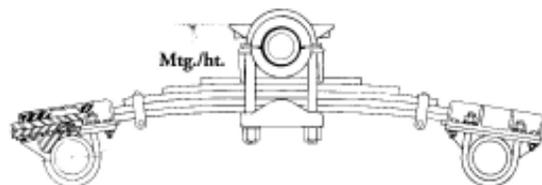
The 900 series suspension also includes options for 5", 5-3/4", and 6" round axles, or 5" X 5" square axles. Several different axle centers are available. Standard spring centers for the 900 series suspensions is 38". Other spring centers can be furnished on request.



Overslung Axles - Overslung Trunnion

Standard trunnion hanger spacing is 22-1/8" for 38" spring centers. Trunnion centers of 20-1/8" can be specified while maintaining 38" spring centers.

Trunnion bushings of either rubber or UHMW Polyethylene ("free oscillating") are available. Unless otherwise specified, trunnion bushings are assumed to be rubber.



Overslung Axles - Underslung Trunnion

When installing your 900 series suspension, adequate vertical clearance must be provided for tires, springs and U-bolts. This is usually accomplished through the use of a mounting bracket or pedestal.

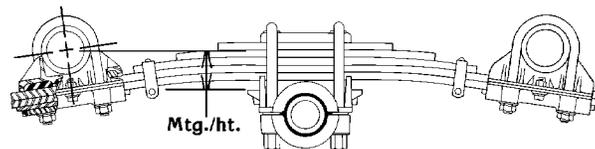
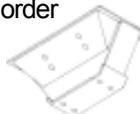
How To Order Your 900 Series Single Point Suspension System

1. Determine which 900 series suspension will meet your weight requirements - 36,000#, 42,000#, 44,000#, 50,000#, or 60,000# GTWR (Gross Tandem Weight Rating).
2. Select a mounting height that corresponds to your particular situation. See the Axle Specifications and Mounting Heights Charts in this catalog.
3. Axle configuration - Overslung or Underslung
4. Axle size - 5", 5³/₄", 6" round or 5" X 5" square.
5. Trunnion configuration - Overslung or Underslung
6. Trunnion hanger height - 2¹/₂", 4¹/₂", 6¹/₂" or 8¹/₂".

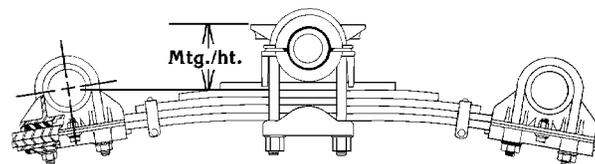
In many instances more than one combination will result in the same mounting height. Therefore, all of the aforementioned factors should be taken into consideration when ordering as well as the following:

7. Axle Centers - See axle Specifications And Mounting Heights Charts.
8. Spring Centers - 38 inches (in stock).
9. Trunnion Centers - 20¹/₈ inches (in stock.)
10. To help ease the installation of your 900 series suspension you may wish to order a pair of Hutch mounting brackets, part number 16793-01.

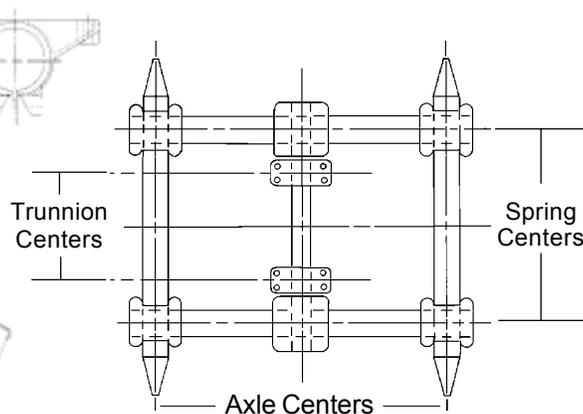
special order



Underslung Axles - Overslung Trunnion



Underslung Axles - Underslung Trunnion



***Dimensions other than these? Give us a call!



HUTCHENS H-900 SERIES SINGLE POINT SUSPENSIONS

OVERSLUNG AXLE SPECIFICATIONS AND MOUNTING HEIGHTS FOR MODELS: H-900-36 Thru H-900-44 with 2.5 Trunnions Height, 5" Round. and 5" x 5" Square Axles H900-50 and H-900-60 with 4.5 Trunnion Height, 5" Round and 5" x 5" Square Axles.

Part No.	Gross Tandem Weight Rating (GTWR)	Spring Number	Number of Spring Leaves	Nominal Axle Spacing		Mounting Height			
				Unloaded	Loaded	Overslung Trunnion Unloaded	Overslung Trunnion Loaded	Underslung Trunnion Unloaded	Underslung Trunnion Loaded
H-900-36	36,000	10054-00	5	48.00	48.75	4.00	3.00	15.00	14.00
H-900-36	36,000	11151-00	5	50.50	51.50	4.00	3.00	15.00	14.00
H-900-42	42,000	9997-00	6	48.00	48.75	4.00	3.00	15.75	14.75
H-900-42	42,000	9998-00	6	50.50	51.50	4.00	2.75	15.75	14.62
H-900-44	44,000	TRA-2750	Tapered 3	50.50	51.50	4.00	2.87	14.50	13.37
H-900-50	50,000	10055-00	7	48.00	48.75	6.00	5.00	18.50	17.12
H-900-50	50,000	9999-00	7	50.50	51.50	6.00	4.62	18.50	17.50
H-900-50	50,000	TRA-2750	Tapered 3	50.50	51.50	6.00	4.62	16.50	15.12
H-900-50	50,000	10000-00	8	54.00	55.25	6.50	5.00	19.75	18.25
H-900-60	60,000	10001-00	9	54.00	55.25	6.50	4.75	20.50	18.75
With 4.5 Trunnion Height Add (H-900-36 thru 44)/(H-900-50 and 60)						2.00/0.00	2.00/0.00	2.00/0.00	2.00/0.00
With 6.5 Trunnion Height Add (H-900-36 thru 44)/(H-900-50 and 60)						4.00/2.00	4.00/2.00	4.00/2.00	4.00/2.00
With 8.5 Trunnion Height Add (H-900-36 thru 44)/(H-900-50 and 60)						6.00/4.00	6.00/4.00	6.00/4.00	6.00/4.00
When 5.75" or 6" Round Axles Are Used Add						.50	.50	.50	.50

Mounting heights shown for models H-900-50 and 60 are based on a 4.50 high trunnion bracket. Do not use the 2.50 high bracket on models with 50,000 lbs. GTWR or greater.



UNDERSLUNG AXLE SPECIFICATIONS AND MOUNTING HEIGHTS FOR MODELS: H-900-36 Thru H-900-44 with 2.5 Trunnions Height, 5" Round. and 5" x 5" Square Axles H900-50 and H-900-60 with 4.5 Trunnion Height, 5" Round and 5" x 5" Square Axles.

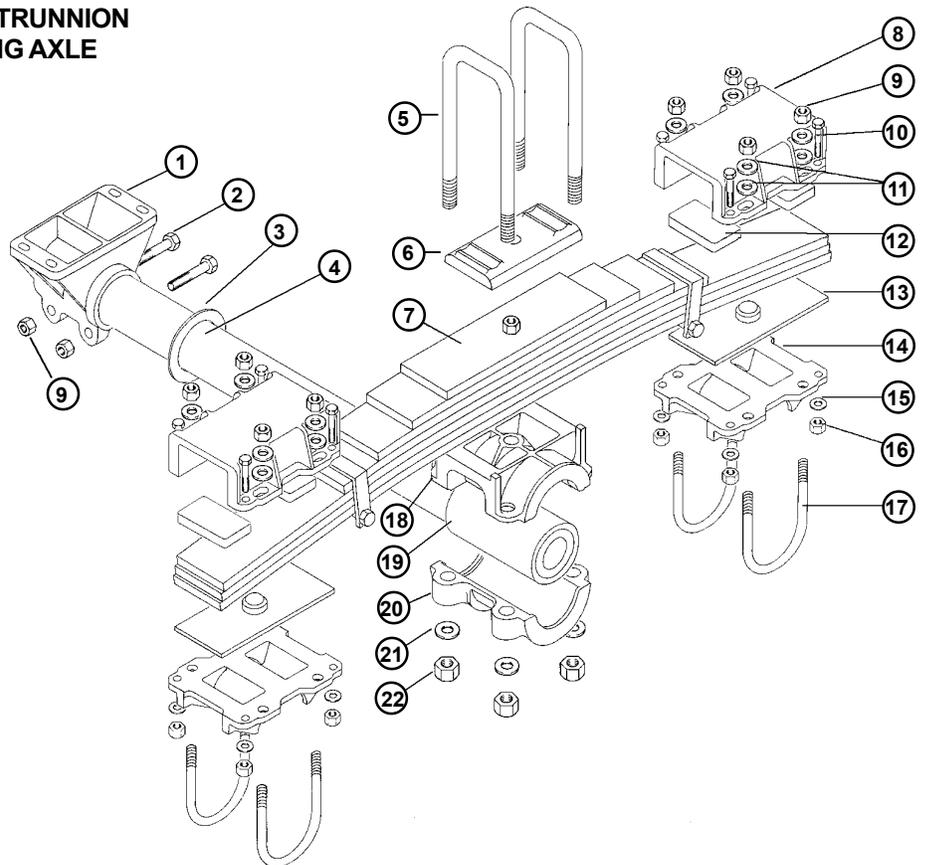
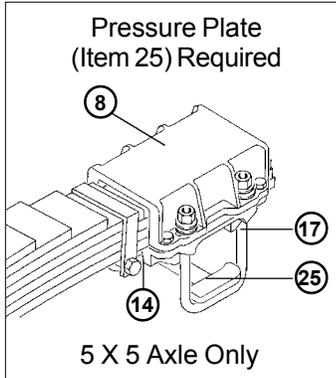
Part No.	Gross Tandem Weight Rating (GTWR)	Spring Number	Number of Spring Leaves	Nominal Axle Spacing		Mounting Height			
				Unloaded	Loaded	Overslung Trunnion Unloaded	Overslung Trunnion Loaded	Underslung Trunnion Unloaded	Underslung Trunnion Loaded
H-900-36	36,000	10054-00	5	50.50	50.00	-4.25	-5.25	6.75	5.75
H-900-36	36,000	11151-00	5	53.00	52.25	-4.25	-5.25	6.75	5.75
H-900-42	42,000	9997-00	6	50.62	50.00	-5.00	-6.00	6.75	5.75
H-900-42	42,000	9998-00	6	53.00	52.25	-5.00	-6.25	6.75	5.5
H-900-44	44,000	TRA-2750	Tapered 3	53.00	52.25	-5.00	-6.12	5.50	4.37
H-900-50	50,000	10055-00	7	50.62	50.00	-3.00	-4.00	9.50	8.50
H-900-50	50,000	9999-00	7	53.00	52.25	-3.00	-4.37	9.50	8.12
H-900-50	50,000	TRA-2750	Tapered 3	53.00	52.25	-3.00	-4.37	7.50	6.12
H-900-50	50,000	10000-00	8	57.00	56.00	-2.50	-4.00	10.75	9.25
H-900-60	60,000	10001-00	9	57.00	56.00	-2.50	-4.25	11.50	9.75
With 4.5 Trunnion Height Add (H-900-36 thru 44)/(H-900-50 and 60)						2.00/0.00	2.00/0.00	2.00/0.00	2.00/0.00
With 6.5 Trunnion Height Add (H-900-36 thru 44)/(H-900-50 and 60)						4.00/2.00	4.00/2.00	4.00/2.00	4.00/2.00
With 8.5 Trunnion Height Add (H-900-36 thru 44)/(H-900-50 and 60)						6.00/4.00	6.00/4.00	6.00/4.00	6.00/4.00
When 5.75" or 6" Round Axles Are Used Subtract						-.50	-.50	-.50	-.50

Mounting heights shown for models H-900-50 and 60 are based on a 4.50 high trunnion bracket. Do not use the 2.50 high bracket on models with 50,000 lbs. GTWR or greater.

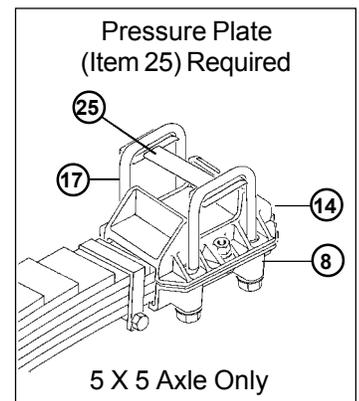
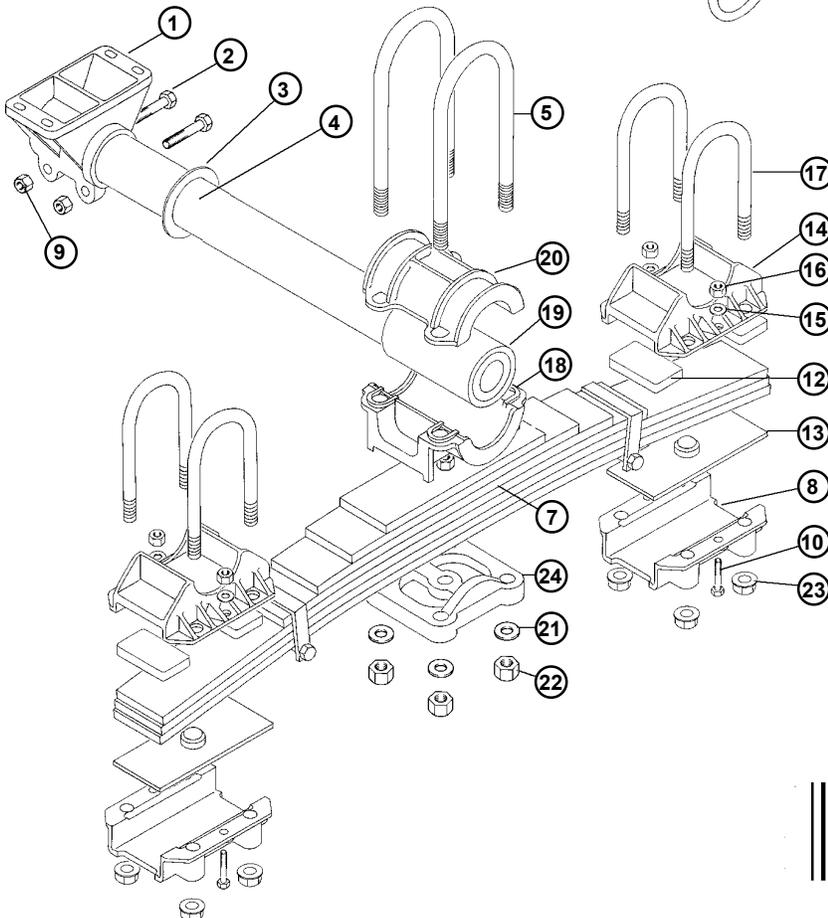


HUTCHENS H-900 SERIES SINGLE POINT SUSPENSIONS

OVERSLUNG TRUNNION OVERSLUNG AXLE



UNDERSLUNG TRUNNION UNDERSLUNG AXLE





HUTCHENS H-900 SERIES SINGLE POINT SUSPENSIONS



MULTI-LEAF 42, 50 AND 60,000
Quantity



Item	Part No.	Overslung Trunnion		Underslung Trunnion		Description
		Overslung Axle	Underslung Axle	Overslung Axle	Underslung Axle	
1	See Chart A	2	2	2	2	Trunnion Hanger
2	10376-00	4	4	4	4	Hex Bolt 3/4-16 UNF x 4 1/2 GR5
3	895-00	2	2	2	2	Washer, 7 Ga. x 4 1/32 ID x 5 3/4 OD
4	See Chart B	1	1	1	1	Trunnion Tube
5	See Chart C	4	4	4	4	U-Bolt, Trunnion
6	9640-00	2	2	0	0	Top Plate - Cast, Square U-Bolt
7	See Chart D	2	2	2	2	Spring**
8	See Chart E	4	4	4	4	Spring End Cap
9	39D12	20	4	20	4	Hex Nut, Self Locking, 3/4-16 UNF
10	9293-00	16	8	16	8	Hex Bolt 5/8-18 UNF x 2, Gr 5
11	817-00	32	0	32	0	Washer, 1/8 x 1 3/16 ID x 1 1/2 OD
12	814-00	8	8	8	8	Rubber Pd - Plain
13	10608-00	4	4	4	4	Adjustment Plate
14	See Chart G	4	4	4	4	Spring Seat
15	10273-00	16	8	16	8	Washer, 1/8 x 2 1/32 ID x 1 15/16 OD
16	37-03	16	8	16	8	Hex Locknut 5/8-18 UNF
17	See Chart F	8	8	8	8	U-Bolt, Axle
18	891-00	2	2	2	2	Trunnion Hub - Upper Half
19	890-00	2	2	2	2	Rubber Bushing - Trunnion Hub
	20248-01	2	2	2	2	Free Oscillating Trunnion Bushing*
20	898-00	2	2	-	-	Trunnion Hub - Lower Half
	892-00	-	-	2	2	Trunnion Hub - Lower Half
21	837-00	8	8	8	8	Washer, 1/8 x 1 1/4 ID x 2 1/4 OD
22	836-00	8	8	8	8	Hex Nut, 1 1/8-12 UNF x 1 1/2 Hi
23	10562-00	0	16	0	16	Flange Nut - Self Locking 1-14 UNS
24	820-00	0	0	2	2	Spring Clamp Plate
25	10488-00	4	4	4	4	Pressure Plate, 5 x 5 Axle Only

Part No.	2 1/2	4 1/2	6 1/2	8 1/2
	850-01	10476-03	849-01	897-01

Unit Weight Cap. (lbs.)	38/22.12	36/20.12	44/28.12	42/26.12	41/25.12
36,000 - 44,000	893-01	893-04	893-07	893-09	893-00
50,000 & 60,000	893-02	893-05	893-08	893-10	893-12

Unit Weight/Spring Cap. (lbs.)/Part No.	Trunnion Configuration			
	Overslung	Lgth	Underslung	Lgth
44,000/12258-01	9639-01	12 ^{5/16}	835-04	13 ^{3/4}
50,000/10055-00	9639-03	13 ^{15/16}	835-04	15 ^{3/8}
50,000/9999-00	9639-03	13 ^{15/16}	835-04	15 ^{3/8}
50,000/12258-01	9639-01	12 ^{5/16}	835-04	13 ^{3/4}
50,000/10000-00	9639-04	14 ^{11/16}	835-06	16 ^{1/8}
60,000/10001-00	9639-05	15 ^{1/2}	835-05	17

Capacity	42,000	42,000	50,000	50,000	50,000	60,000
# of Leaves	6	6	7	7	8	9
Part No.	9997-00	9998-00	10055-00	9999-00	10000-00	10001-00

Axle Size	Overslung Axle Unit Cap. (lbs.)	
	36,000	42-60,000
5" Rd., 5x5 Sq.	10049-00	9937-00
5.75" Rd., 6" Rd.	10049-00	9937-00
Axle Size	Underslung Axle Unit Cap. (lbs.)	
	36,000	42-60,000
5" Rd., 5x5 Sq.	10050-02	9941-02
5.75" Rd., 6" Rd.	---	9942-02

Axle Size	Unit Weight Capacity		Axle Configuration			
	Capacity	Overslung	Lgth	Underslung	Lgth	
5" Rd	42-60,000	10060-01	7	10064-02	10 1/2	
5"x5" Sq.	42-60,000	10063-02	7 7/8	10067-03	11 1/8	

Axle Size	Axle Configuration	
	Overslung	Underslung
5" Rd	9934-02	9938-00
5 x 5 Sq.	9935-02	9939-00



HUTCHENS 9700 SERIES SUSPENSIONS

HANGER AND ROCKER ASSEMBLY
 Factory assembled using a Huck "lockbolt", standard on H9700 & CH9700 suspensions.



Hanger Style	Assembly Part No.	
	Fabricated	Cast
Straddle	16319-01	16319-51
Under Mount	16319-02	16319-52
Side Mount	16319-04	16319-52
Flange Mount	16319-07	16319-57

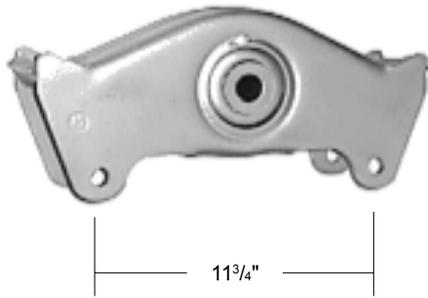
BOLT KIT FOR 9700 SERIES ROCKER INSTALLATION
 Replaces the Huck lock bolt on H-9700 series suspensions.



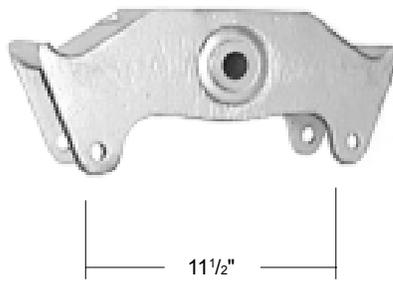
Kit No. NL97 (w/decal)
Kit No. NL97S (no decal)

Qty.	Part No.	Description
1	16150-01	Bolt, 1-1/8-7 x 6.88" long.
2	837-00	Washer, 1/8x1-1/4x2-1/4OD
1	11154-00	Hex lock nut, 1-1/8-7
2	759-00	Bolt, spr'g retainer, 5/8-18x4-1/4
2	756-00	Sleeve spacer, 3/4 OD x 3-1/4
2	37-03	Hex lock nut, 5/8-18

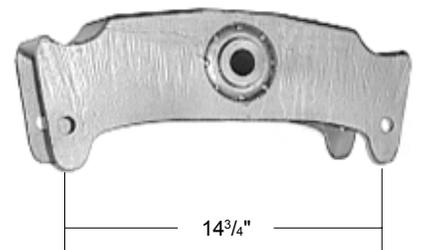
Parts are for one rocker installation. (Rocker not included)
Note: The NL97 includes decal with special torque requirements for this kit.
 Decal should be applied to vehicle.



Fab Equalizer With Bushing	
Part No.	Application
16158-01	H-9700 Suspensions
Single Bolt 42" / 49" axle centers	
Includes 18723-01 rubber bushing	



Cast Equalizer With Bushing	
Part No.	Application
17784-01	CH-9700 Suspension
Single Bolt 42" / 49" axle centers	
Includes 18723-01 rubber bushing	



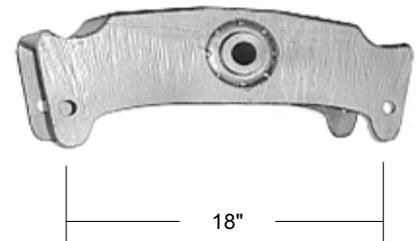
Cast Equalizer With Bushing	
Part No.	Application
24711-01	9700 Suspension
Includes 18723-01 rubber bushing	
Single Bolt 44/50/51 axle centers.	

*Illustration shows beam with bushing for 9700 series suspension

For suspensions with 109" axle centers. **Part No. 16168-10 shown.**



Fab Equalizer With Bushing	
Part No.	Application
16168-10	9700 Suspensions
(Includes 18723-01 rubber bushing)	
9239-10	7700 Suspensions
(Includes 7010-00 rubber bushing)	



Fab Equalizer With Bushing	
Part No.	Application
24820-01	9700 Suspension
Includes 18723-01 rubber bushing	
Single Bolt 53.5 / 54.5 axle centers.	



HUTCHENS 9700 & 7700 SERIES SUSPENSIONS



(LH Shown)

Front Hanger Straddle Mount	
Part No.	Application
7701-01	H-9700 & H-7700

Front Hanger Under Mount	
Part No.	Application
20728-01	H-9700 & H-7700

Front Hanger Side Mount	
Part No.	Application
20730-01 (RH)	H-9700 & H-7700
20729-01 (LH)	H-9700 & H-7700



Equalizer Hanger Straddle Mount	
Part No.	Application
16169-01	H-9700 Suspension

Equalizer Hanger Under Mount	
Part No.	Application
16171-01	H-9700 Suspension

Equalizer Hanger Side Mount	
Part No.	Application
16175-01	H-9700 Suspension



(LH Shown)

Rear Hanger Straddle Mount	
Part No.	Application
7703-01	H-9700 & H-7700

Rear Hanger Under Mount	
Part No.	Application
20732-01	H-9700 & H-7700

Rear Hanger Side Mount	
Part No.	Application
20734-01 (RH)	H-9700 & H-7700
20733-01 (LH)	H-9700 & H-7700



HUTCHENS 9700 & 7700 SERIES SUSPENSION PARTS



(LH Shown)

Front Hanger Flange Mount	
Part No.	Application
7701-08 (RH)	H-9700/H-7700
7701-07 (LH)	H-9700/H-7700



Cast Front Hanger Straddle Mount	
Part No.	Application
702-01	CH-9700/CH-7700



(LH Shown)

Cast Front Hanger Under/Side Mt.	
Part No.	Application
16291-04 (RH)	CH-9700
16291-03 (LH)	CH-9700



Equalizer Hanger Flange Mount	
Part No.	Application
16178-01	H-9700



Cast Equalizer Hanger Straddle Mount	
Part No.	Application
16196-03	CH-9700



Cast Equalizer Hanger Under Mount/Side Mount	
Part No.	Application
16197-03	CH-9700



(LH Shown)

Rear Hanger Flange Mount	
Part No.	Application
7703-08 (RH)	H-9700 & H-7700
7703-07 (LH)	H-9700 & H-7700



(LH Shown)

Cast Rear Hanger Straddle Mount	
Part No.	Application
712-01	CH-9700



(LH Shown)

Cast Rear Hanger Under/Side Mt.	
Part No.	Application
16293-02 (RH)	H-9700 & H-7700
16293-01 (LH)	H-9700 & H-7700