

**MACHINE MODELS**

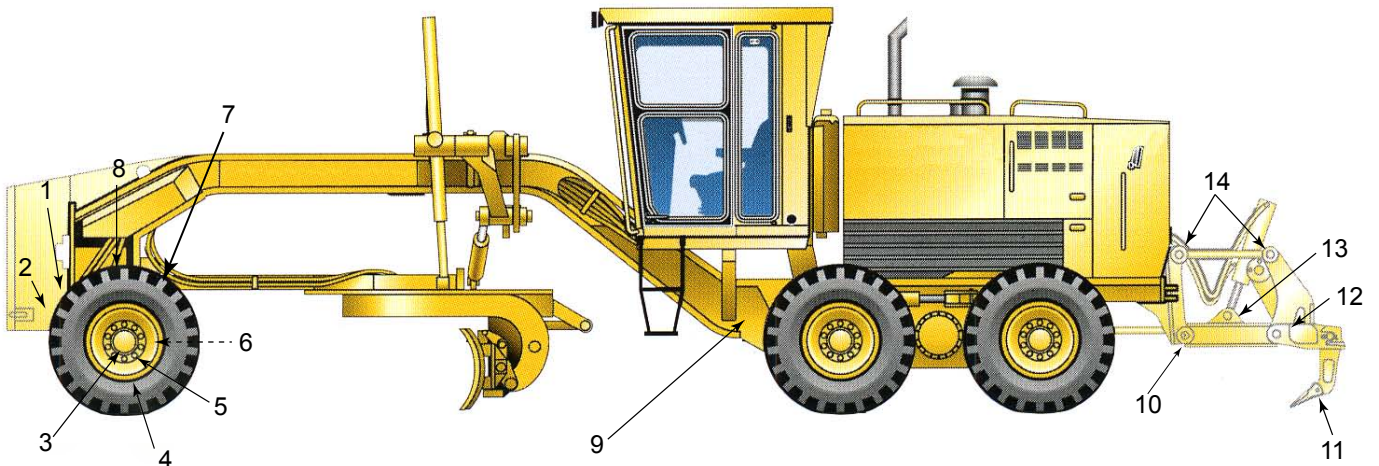
CASE 845

CAT 135H

**SAFETY FIRST**

1. Wear Safety Equipment.
2. Keep hands and feet clear.
3. Beware of flying objects.

Prior to removing any pins or parts refer to Manufacturers Service manual for proper procedures for securing and stabilizing equipment.



Item	Description
1	"V" Plow (if applicable)
2	Scarifier Teeth (if applicable)
3	Wheel Seals & Bearings
4	Tire Bead
5	Wheel Stud Remover
6	Tie Rod End
7	King Pin
8	Steering Cylinder
9	Articulation Pin
10	Lower Ripper Link Pin
11	Tooth
12	Lower Link Pin
13	Cylinder Pin
14	Link Pins

See back for Pin Removal / Insertion specifications and recommended Slide Sledge® tool kit.

The following removal and insertion tips are manufacturer recommendations for this model. Other model backhoes may use similar tips and tools for similar removals. Consult with manufacturer for specific models and uses.

Item	Tool/Tip	Description	Part#
#1	R/I Tool	9 lb./30" Slide Sledge	211103
	R/I Tip	7/8" Pin Driver	213102
#2	R/I Tool	13 lb./46" Slide Sledge	211203
	R/I Tip	Scarifier Tooth Remover	213307
#3	R/I Tool	9 lb./30" Slide Sledge	211103
	R/I Tip	Bushing/Bearing/Seal Plate Driver	213525
#4	R/I Tool	13 lb./46" Slide Sledge	211203
	R/I Tip	Small Tire Bead Breaker	213529
#5	R/I Tool	9 lb./30" Slide Sledge	211103
	R/I Tip	2" Pin Driver	213104
#6	R/I Tool	9 lb./30" Slide Sledge	211103
	R/I Tip	Tie Rod/ Ball Joint Separator Adaptor	213520
	R/I Acc.	Tie Rod/ Ball Joint Separator - 1 7/16"	213524
#7	R/I Tool	13 lb./46" Slide Sledge	211203
	R/I Tip	1 1/4" Pin Driver	213103
#8	R/I Tool	13 lb./46" Slide Sledge	211203
	R/I Tip	7/8" Pin Driver	213102
#9	R/I Tool	13 lb./46" Slide Sledge	211203
	R/I Tip	1 1/4" Pin Driver	213103
#10	R/I Tool	13 lb./46" Slide Sledge	211203
	R/I Tip	1 1/4" Pin Driver	213103
#11	R/I Tool	13 lb./46" Slide Sledge	211203
	R/I Tip	1/2" Pin Remover	213101
#12	R/I Tool	13 lb./46" Slide Sledge	211203
	R/I Tip	1 1/4" Pin Remover	213103
#13	R/I Tool	9 lb./30" Slide Sledge	211103
	R/I Tip	1 1/4" Pin Remover	213103
#14	R/I Tool	9 lb./30" Slide Sledge	211103
	R/I Tip	1 1/4" Pin Remover	213103

**Recommended Tool Kit for Motor Grader**

Product	Part#
9 lb./30" Slide Sledge	211103
13 lb./46" Slide Sledge	213104
1/2" Pin Driver	213101
7/8" Pin Driver	213102
1 1/4" Pin Driver	213103
2" Pin Driver	213104
Small Tire Bead Breaker	213529
Wheel Stud Remover - 2" Pin Driver	213104
Tie Rod/ Ball Joint Separator Adaptor	213520
Tie Rod/ Ball Joint Separator - 1 7/16"	213524
Bushing/Bearing/Seal Plate Driver	213525
Scarifier Tooth Remover	213307
5 lb. Handle Weight	211808

Removal and installation should only be performed on pins that have been properly serviced and maintained.