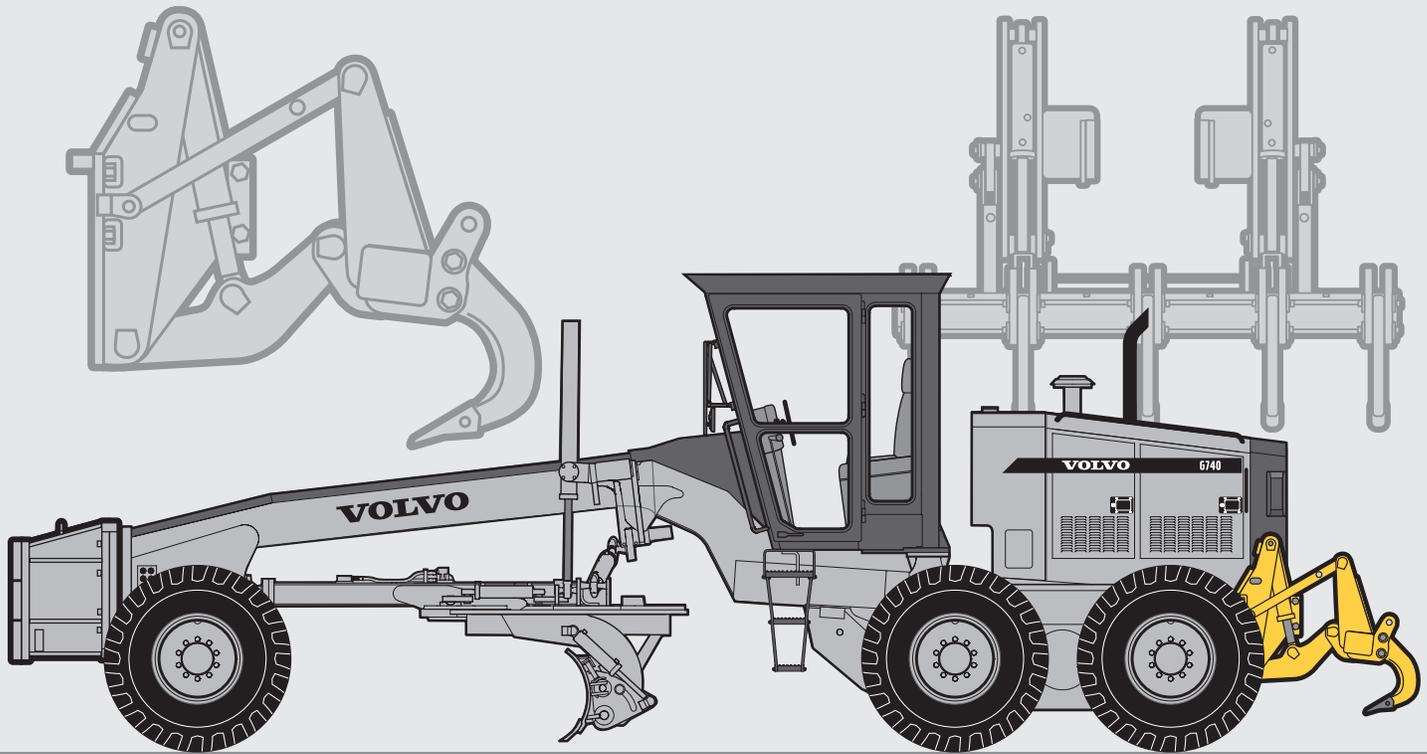


VOLVO MOTOR GRADER

RIPPER / SCARIFIER

ATTACHMENT



The Volvo Ripper/Scarifier is a rear mounted tool used for tearing up asphalt, hard-pack or other obstacles to aid the grading operation.

The Ripper/Scarifier can be used with two different sets of ground engaging tools: 1 to 5 ripper teeth for a maximum 18" (457 mm) depth of cut or up to 11 scarifier teeth for a maximum 11" (279 mm) depth of cut.

KEY FEATURES:

- "Close anchoring" to rear of the machine for excellent down pressure
- Can be used with ripper shanks or scarifier teeth
- Rear mounting offers excellent steerability
- Robust box beam frame design

VOLVO

MODEL V012

- Dimensions:

Weight	2,625 lb	(1 190 kg)
Beam dimension	92" x 6.5" x 8"	(2 337 mm x 165 mm x 203 mm)
Material thickness	3/4"	(19 mm)
Width of cut	86.5"	(2 200 mm)

- Ground clearance:

Tires	Tooth-Work Position	Tooth-Carry Position
13:00 x 24	14.75" (377 mm)	32.25" (819 mm)
14:00 x 24	14.75" (377 mm)	32.25" (819 mm)
17.5 x 25	15.25" (390 mm)	32.75" (832 mm)
16:00 x 24	16.75" (425 mm)	34.00" (863 mm)
20.5 x 25	17.50" (445 mm)	34.75" (882 mm)

- Ripper teeth: 3 supplied, accepts up to 5

Tooth spacing - 23" (584 mm) center to center		
Tooth attachment - 2 pin per shank		
Maximum penetration	18" (457 mm)	
Shank - Thickness	5" x 1.75" (127 mm x 44 mm)	
- Hardness	415 Brinell	
Tip - Replaceable	Hardness 495 Brinell	
- Tip Size	9" x 2" (228 mm x 5 mm)	

- Scarifier teeth: Accepts up to 9 scarifier shanks

Tooth spacing -		
9.5 x 9.5 x 11.5 x 11.5 x 11.5 x 11.5 x 9.5 x 9.5"		
(241 x 241 x 292 x 292 x 292 x 292 x 241 x 241 mm)		
Tooth attachment - removable wedge		
Maximum penetration - 11" (279 mm)		
Shank - Carbon steel alloy	Hardness 415 Brinell	
- Thickness	3" x 1" (76 mm x 25 mm)	
Tip - Replaceable	Hardness 495 Brinell	
- Tip Size	6.5" x 1.75" (165 mm x 44 mm)	

- Degree of tilt: 27 degrees

- Hydraulic control: Double acting cylinder with lock valve

- Full hydraulic control by lever on steering pedestal

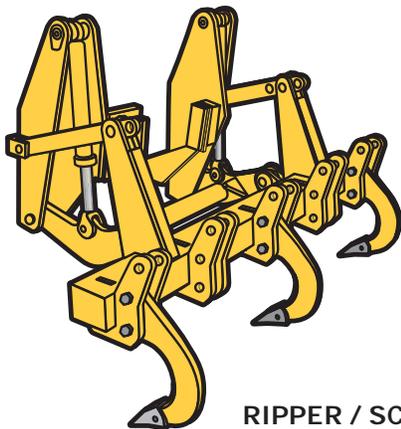
- Lift cylinder with integral lock valve:

Diameter	4.00" (101 mm)
Length of stroke	17.25" (438 mm)

- Mounted to the frame with eight grade 8 bolts

- Standard paint color: Volvo Gray

- Consult your dealer for hydraulic and mounting requirements



RIPPER / SCARIFIER

At Volvo, we build our own line of custom designed attachments, to increase the versatility and productivity of our graders. Volvo attachments are made by grader specialists to meet the unique performance characteristics required in grader applications.

Your safety and the safety of those around you depends on using care and judgement when operating and servicing your grader. Do not operate the grader until you read and understand the warnings and instructions in the operator's manual. Volvo Motor Graders Limited is an ISO 9001 and 14001 registered company. www.volvo.com

Under our policy of continuous product development and improvement, we reserve the right to change the specifications and design without prior notice. The illustrations do not necessarily show the standard versions of the attachment or the machine.

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Volvo Construction Equipment Group

Ref. No. 21 2 434 1036
Printed in Canada 1/2001 - 10.0

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