

# Circle Shoe and Drawbar Composite Wear-Strips for Motor Graders



## Less Sensitive to System Lubrication

We are pleased to announce a new field service option for circle shoe and drawbar composite wear-strips on Motor Graders. The new composite material was designed to reduce sensitivity to lubrication. Lab tests have shown that the composite wear-strips wear slower than metallic wear-strips when neither wear-strip is lubricated.



# Cat® Circle Shoe and Drawbar Composite Wear-Strips

CIRCLE SHOE WEAR-STRIP				
Model	Original Equipment		Alternate Service Parts	
	Circle Shoe Wear-strip	Type	Circle Shoe Wear-strip	Type
120K, 120H/135H STD*	5T-2925	Metallic	N/A	N/A
120/135H TI, ES, TII*, 12/140/143/160/163H	6G-4525	Metallic	333-0960	Composite
12/140/160K, 120/12/140/160M & M2	333-0960	Composite	6G-4525	Metallic
14/16H	6G-4372	Metallic	308-6303	Composite
14/16M	308-6303	Composite	6G-4372	Metallic
24H/24M	117-2244	Metallic	N/A	N/A

\*G-Series and prior are excluded from this list

DRAWBAR WEAR-STRIP				
Model	Original Equipment		Alternate Service Parts	
	Drawbar Wear-strip	Type	Drawbar Wear-strip	Type
120K, 12/140/160K	128-9654	Composite	N/A	N/A
120M/M2 (4 Shoes)	307-1966	Composite	N/A	N/A
120/12/140/160M & M2	302-6338	Composite	N/A	N/A
120/135H TI, ES, TII*, 12/140/143/160/163H, 14/16H	6G-4524	Metallic	128-9654	Composite
14/16M	302-6331	Composite	352-1002	Metallic
24H, 24M	6G-4524	Metallic	N/A	N/A

\*G-Series and prior are excluded from this list

Cat composite wear-strips are now standard equipment on all new CAT motor graders except the 24 series. Composite wear-strips are available as a service option for many older Cat motor graders (Refer to the "Wear-Strip Cross Reference" Table).

## Wear-Strip Functionality:

- Circle shoe and drawbar composite wear-strips are used as a serviceable wear item to prevent hard contact between the drawbar, circle shoes and the circle.

## Benefits:

- Composite wear-strips are less sensitive to system lubrication.
- Lab tests have shown that composite wear-strips can last longer than metallic wear-strips when there is no lubrication. When both materials are properly lubricated, the metallic wear-strips can handle higher impact and can last longer than the composite wear-strips. Proper lubrication (according to Caterpillar maintenance recommendations) increases the life of both wear-strips.

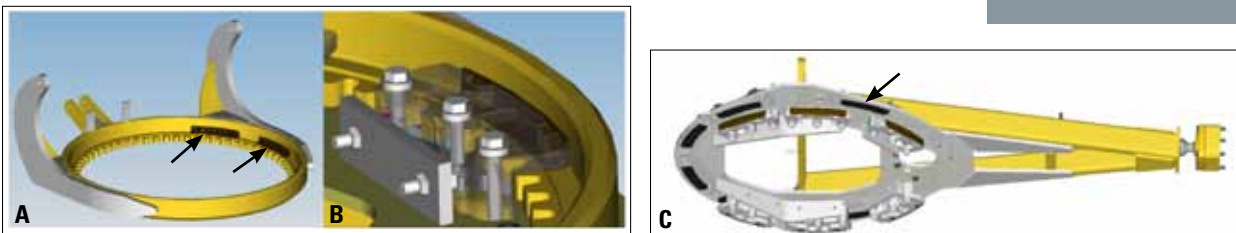


Figure (A): View of the circle with two bottom wear-strips shown at arrows. (B): Close-up view of the wear-strip support structure for the bottom strips. (C): Location of the drawbar wear-strips. Note: (A) and (B) are upside down views for clarity in viewing bottom wear-strips.

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