

Information Release Memo

GET06-11

October 2006

# Cat<sup>®</sup> Ground Engaging Tools

Caterpillar. The difference counts.™

## TOP MOUNTED WEAR PLATES FOR WHEEL LOADERS



This IRM announces the availability of Top Mounted Wear Plates for use on General Purpose and Multipurpose buckets for selected Wheel Loaders when equipped with bolt on half arrow edges. The wear plates will protect the bevel and top of the base edge along its entire length where wear can be severe in highly abrasive, dense material applications. The wear plates are specifically designed for use with Bolt-On Half Arrow cutting edges and will fit standard Cat<sup>®</sup> base edges for selected models of wheel loaders having buckets of 119.5", 126" and 134.5" widths. (See attachment A for wheel loader model and part number listing)

**For Dealer Sales Personnel**

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**Description**

The top mounted wear plates are made from through-hardened DH-2™ steel section for optimum strength and wear life. The wear plate system consists of two center edges and a left and right hand end edge. Each edge is approximately .625" (16mm) thick and is intended to match the wear life of the half arrow cutting edges so that maintenance is minimized.

**Features**

Designed for use with bolt on half arrow cutting edges, the top mounted wear plates are formed from a heat-treated steel plate. The wear plates are angled downward at the forward edge to tuck in behind the half arrow edge that sticks up above the base edge to provide unobstructed material flow. The rear edge of the wear plates is tapered to a very low profile so as not to promote "carry back" of material after a load has been dumped. The half arrow edges and the top mounted wear plates, work together to protect the top and bottom surfaces of the base edge along its entire length.

The top mounted wear plates bolt in place quickly and easily, using longer cutting edge bolts and nuts.

**Benefits**

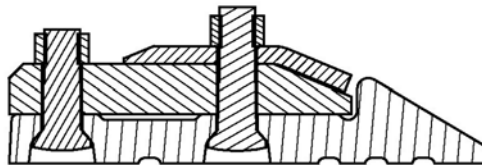
- Longer base edge life by eliminating wear on the upper surface of the base edge and in the area of the base edge bevel.
- Tight, bolt-on fit eliminates part-to-part wear from excessive movement.
- No danger of base edge cracking from hardfacing application.
- More uptime due to quick and easy wear plate removal and installation as compared to hardfacing application.
- Tapered rear edge prevents "carry back" of material.

Lower bucket maintenance and repair costs in abrasive, loading applications.



### **Assembly**

As is shown below, the half arrow cutting edge is secured to the base edge by a pair of mounting bolts. The front mounting bolt is the longer of the two bolts and extends through the cutting edge, base edge and top mounted wear plate and receives a nut on the upper end to secure all three components together. The rear bolt and nut secure only the cutting edge to the base edge. This allows installation and removal of the top mounted wear plate without having to remove the cutting edge from the base edge.



The top mounted wear plates are included in the Caterpillar Ground Engaging Tools warranty against breakage.

For information on bolt on half arrow cutting edges for both the 980 and the 962 – 973 Wheel Loaders please refer to the following IRMs:

980 (134.1" buckets)

IRM03-12

Media Number PELJ0236

962 – 973 (119.5" & 126" buckets)

IRM06-05

Media Number PELJ0628

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The Caterpillar logo, featuring the word "CATERPILLAR" in a bold, sans-serif font with a registered trademark symbol (®) to the upper right. A stylized black triangle is positioned to the left of the letter "A".

**Attachment A**

The new part numbers are as follows:

**TOP MOUNTED WEAR PLATES**

<b>Machine Model</b>	<b>980F, G, H</b>	<b>966G,GII 970 / 970F 9702G/972GII</b>	<b>962GII / 963C 966D,E,F,G,GII 970 / 970F 972G / 972GII 973C</b>
Bucket Width	134.1" (Qty)	126" (Qty)	119.5" (Qty)
Bucket Type	CGS, MP	CGS, MP	CGS, MP
Base Edge	111-9770	7I-3015	9V6575
Center Edge	253-0184 (2)	286-1981 (2)	286-1984 (2)
Left Hand Edge	253-0183 (1)	286-1980 (1)	286-1983 (1)
Right Hand Edge	253-0182 (1)	286-1979 (1)	286-1982 (1)
Bolt (front row, TMWP to BE)	5P-8361 (8)	5P-8361 (8)	5P-8361 (8)
Nut (front row, TMWP to BE)	3K-9770 (8)	3K-9770 (8)	3K-9770 (8)
Bolt (back row, CE to BE)	5P-8823 (10)	5P-8823 (10)	5P-8823 (10)
Nut (back row, CE to BE)	3K-9770 (10)	3K-9770 (10)	3K-9770 (10)

TMWP = Top Mounted Wear Plate

BE = Base Edge

CE = Cutting Edge