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NEWS EXPRESS 27 MAY 2014 CURRENT WINDOWS VERSION IS V8.5.2.1,
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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.25	0.25

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E7 1 930731/DN  
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E11 1 930737/DN  
E12 1 930738/DN  
E13 1 930739/DN  
E14 1 930740/DN  
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E22 1 930748/DN  
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L1 1 930726/DN

=> dis L1 1 ALL

L1 ANSWER 1 OF 1 lMOBILITY COPYRIGHT 2015 SAE on STN.

Full  
Text

AN 1993:1319 lMOBILITY  
DN 930726  
TI Auto-Levelling Projector Headlamp System with Rotatable Light Shield  
AU Ishikawa, M.(1); Kobayashi, S.(1)  
CS (1)Koito Manufacturing Co., Ltd.  
SO (1 Mar 1993)  
Published by: SAE International, 400 Commonwealth Drive, Warrendale, PA,  
United States  
Conference: International Congress & Exposition, Detroit, Michigan,  
United States, 1 Mar 1993  
CY United States  
DT Conference Article; (Paper)  
FS SAE  
LA English  
ED Entered STN: 8 Apr 1993  
Last updated on STN: 10 Feb 2014  
AB It has often been noted that the fixed position of conventional headlamp  
beams can present drawbacks. When a car accelerates or decelerates, the  
angle that the headlamp beam makes with the road surface will change due  
to vehicle pitching. This beam angle variation can cause a reduction in  
visibility distance, or alternatively, glare on oncoming vehicles. Both  
cases represent situations in which safety is impaired during night  
driving.  
The headlamp system to be discussed here was developed with a view  
towards solving this problem. It features a cylindrical light shield  
which, by rotating in response to sensors, can compensate for vehicle  
pitching and correct the beam to road angle.  
Our test results confirm that by using this system, the negative effects  
of changes in vehicle inclination, including glare on oncoming vehicles  
and reduced road illumination distance, can be all but eliminated.  
CC Automotive Sector  
CT Exterior lighting

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