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***** STN Columbus *****
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=> fil lMOBILITY

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.25	0.25

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SET COMMAND COMPLETED

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E1      1      930723/DN
E2      1      930725/DN
E3      1  --> 930726/DN
E4      1      930727/DN
E5      1      930728/DN
E6      1      930730/DN
E7      1      930731/DN
E8      1      930734/DN
E9      1      930735/DN
E10     1      930736/DN
E11     1      930737/DN
E12     1      930738/DN
E13     1      930739/DN
E14     1      930740/DN
E15     1      930741/DN
E16     1      930742/DN
E17     1      930743/DN
E18     1      930744/DN
E19     1      930745/DN
E20     1      930746/DN
E21     1      930747/DN
E22     1      930748/DN
E23     1      930749/DN
E24     1      930750/DN
E25     1      930751/DN

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COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	2.27	2.52

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=> s E3

L1 1 930726/DN

=> dis L1 1 ALL

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

Full Text

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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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