TITLE
HIGH INTENSITY DISCHARGE (HID) LANDING AND TAXI LIGHT INSTALLATION

EFFECTIVITY

<table>
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<tr>
<th>Model</th>
<th>Serial Numbers</th>
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<tr>
<td>172R</td>
<td>17280001 thru 17281233</td>
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<tr>
<td>172S</td>
<td>172S8001 thru 172S9770</td>
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DESCRIPTION
To install HID landing and taxi lights.

APPROVAL
FAA approval has been obtained on technical data in this publication that affects airplane type design.

REFERENCE
SB05-33-01

CHANGE IN WEIGHT AND BALANCE

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<tr>
<td>WEIGHT CHANGE</td>
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<tr>
<td>ARM</td>
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<tr>
<td>MOMENT</td>
<td>98.0 inch-pounds</td>
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<tr>
<td>MOMENT/1000</td>
<td>0.098</td>
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**MATERIAL INFORMATION**

The following parts cover installation for one airplane.

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<thead>
<tr>
<th>NEW P/N</th>
<th>QUANTITY</th>
<th>DESCRIPTION</th>
<th>OLD P/N</th>
<th>DISPOSITION</th>
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<tr>
<td>MK172-33-01</td>
<td>1</td>
<td>Kit, Consisting of the following parts:</td>
<td>NAS43DD3-14FC</td>
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<tr>
<td>CM3558-10-12G1</td>
<td>6</td>
<td>Screw</td>
<td></td>
<td></td>
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<tr>
<td>MS3367-1-9</td>
<td>30</td>
<td>Tie Strap</td>
<td></td>
<td></td>
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<tr>
<td>MS35207-273</td>
<td>5</td>
<td>Screw</td>
<td></td>
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<td>MS35207-274</td>
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<td>Screw</td>
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<td>NAS43DD3-101FC</td>
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<td>NAS43DD3-48FC</td>
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<td>NAS43DD3-144FC</td>
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<td>S2906-4-1</td>
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<td>Rivet</td>
<td></td>
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<tr>
<td>0163-00179</td>
<td>6</td>
<td>Insulator</td>
<td>0570550-4 or 0570550-2</td>
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<tr>
<td>0570550-6</td>
<td>1</td>
<td>Landing Lights Wire Bundle Assembly - LH Wing</td>
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<td>0597006-2</td>
<td>2</td>
<td>Plate Assembly</td>
<td></td>
<td></td>
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<tr>
<td>81007-1</td>
<td>2</td>
<td>Ballast Kit (Ballast and Cable)</td>
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<td></td>
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<tr>
<td>81010-1</td>
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<td>Light - Landing, HID 35W</td>
<td>4594 or 4596 or 34-0750692-00</td>
<td>Discard</td>
</tr>
<tr>
<td>81011-1</td>
<td>1</td>
<td>Light - Taxi, HID 35W</td>
<td>4626 or 34-0750707-00 or 4587</td>
<td>Discard</td>
</tr>
<tr>
<td></td>
<td>1</td>
<td>Instructions</td>
<td></td>
<td></td>
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<table>
<thead>
<tr>
<th>NUMBER</th>
<th>NAME</th>
<th>MANUFACTURER</th>
<th>USE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alodine 1132</td>
<td>Touch-N-Prep</td>
<td>Cessna Aircraft Company Cessna Parts Distribution 5800 East Pawnee PO Box 1521 Wichita, KS 67218</td>
<td>To apply to bare metal.</td>
</tr>
<tr>
<td>Black Paint</td>
<td>Commercially available</td>
<td></td>
<td>To paint the internal wing leading edge structure.</td>
</tr>
<tr>
<td>K000912</td>
<td>Corrosion Resistant Primer</td>
<td>Cessna Aircraft Company Cessna Parts Distribution 5800 East Pawnee PO Box 1521 Wichita, KS 67218</td>
<td>To apply to bare metal.</td>
</tr>
</tbody>
</table>
ACCOMPLISHMENT INSTRUCTIONS

Instructions

1. Prepare the airplane for maintenance.
   A. Make sure that all switches are in the OFF position.
   B. Disconnect electrical power from the airplane. (Refer to the Model 172 Series 1996 and On Maintenance Manual, Chapter 24.)
      (1) Disconnect the airplane battery.
      (2) Disconnect external electrical power.
   C. Attach maintenance warning tags to the battery and external power receptacle that have “DO NOT CONNECT ELECTRICAL POWER - MAINTENANCE IN PROGRESS” written on them.

2. Remove and discard the incandescent landing and taxi lights and hardware that attaches them. Keep the lens. (Refer to the Model 172 Series 1996 and On Maintenance Manual, Chapter 33, Landing/Taxi Lights - Maintenance Practices.)

3. Install HID taxi and landing lights.
   A. Paint all internal leading edge structure black between WS 100.00 and WS 118.00.
   B. Install the inboard ballast kit.
      (1) (Refer to Figure 1, View B-B and C-C.) Temporarily install the 0597006-2 Plate Assembly against the 0523030 Rib and mark the locations of the nutplates.
      (2) Use the nutplate location marks made in the step above and remove the material in the 0523030 Rib to give clearance for the nutplates when you install the 0597006-2 Plate Assembly.
      (3) Apply Alodine 1132 and corrosion resistant primer to the bare metal edges.
      (4) (Refer to Figure 1, View B-B and C-C.) Make marks for hole locations as shown.
      (5) Drill four Number 40 (0.098-inch diameter) pilot holes in the 0597006-2 Plate Assembly as shown.
      (6) (Refer to Figure 1, View B-B.) Put the 0597006-2 Plate Assembly against the 0523030 Rib and match drill the four Number 40 (0.098-inch diameter) holes drilled in the step above from the 0597006-2 Plate Assembly into the 0523030 Rib.
      (7) Drill the holes to Number 30 (0.128-inch diameter) through the 0597006-2 Plate Assembly and the 0523030 Rib. Deburr the holes.
      (8) Install the 0597006-2 Plate Assembly with four S2906-4-1 Rivets.
      (9) (Refer to Figure 1, View C-C.) Install one 81007-1 Ballast Kit with three each CM3558-10-12G1 Screws and 0163-00179 Insulators with the insulators between the ballast and the 0597006-2 Plate Assembly.
      (10) Check for isolation of greater than 100 Kohms with an ohm meter between the 81007-1 Ballast Kit and the wing rib.

NOTE: It is important that the 81007-1 Ballast Kit be electrically isolated from the structure of the airplane for correct magnetometer or flux detector operation.

C. Install the outboard ballast kit.
   (1) (Refer to Figure 1, View D-D and View E-E.) Temporarily install the 0597006-2 Plate Assembly against the 0523030 Rib and mark the locations of the nutplates.
   (2) Use the nutplate location marks made in the step above and remove the material in the 0523030 Rib to give clearance for the nutplates when you install the 0597006-2 Plate Assembly.
   (3) Remove material from lightening hole flange so the 0597006-2 Plate Assembly will fit flush on rib.
Apply Alodine 1132 and corrosion resistant primer to the bare metal edges.

(Refer to Figure 1, View D-D and E-E.) Make marks for hole locations as shown.

Drill four Number 40 (0.098-inch diameter) pilot holes in the 0597006-2 Plate Assembly.

(Refer to Figure 1, View D-D.) Put the 0597006-2 Plate Assembly against the 0523030 Rib and match drill the four Number 40 (0.098-inch diameter) holes drilld in the step above from the 0597006-2 Plate Assembly into the 0523030 Rib.

Drill the holes to Number 30 (0.128-inch diameter) through the 0597006-2 Plate Assembly and the 0523030 Rib. Deburr the holes.

Install the 0597006-2 Plate Assembly with four S2906-4-1 Rivets.

(Refer to Figure 1, View E-E.) Install one 81007-1 Ballast Kit with three each CM3558-10-12G1 Screws and 0163-00179 Insulators with the insulators between the ballast and the 0597006-2 Plate Assembly.

Check for isolation of greater than 100 Kohms with an ohm meter between the 81007-1 Ballast Kit and the wing rib.

NOTE: It is important that the 81007-1 Ballast Kit be electrically isolated from the structure of the airplane for correct magnetometer or flux detector operation.

D. (Refer to Figure 2.) Do a modification to the electrical wiring with one 0570550-6 Landing Lights Wire Bundle Assembly - LH Wing.

Remove the left wing access panels 510AB, 510 BB, and 510CB and the left wing to fuselage close-out panels as necessary, to get access to the landing/taxi light wiring. (Refer to the Model 172 Series 1996 and On Maintenance Manual, Access/Inspection Plates - Description and Operation.)

Remove the left forward door post interior trim and the left side overhead trim to get access to the landing/taxi light wiring connector and ground stud. (Refer to the Model 172 Series 1996 and On Maintenance Manual, Interior Upholstery - Maintenance Practices.)

(Refer to Figure 2.) Remove the existing wiring for the landing/taxi light along the leading edge of the left wing.

Route the new wires.

(a) Route new wires in the existing leading edge bundle. Use MS3367-1-9 Tie Straps as necessary.

(b) Cut the wires to length as necessary and terminate them with the pins and terminal included with the cable assembly.

(c) Route the ground wire GL010-APL011(14) with the LH fuel sender wires. Terminate the taxi light ground terminal at ground stud GL010, which is located above the fuel sender wires, behind the wing-to-fuselage close-out access panel on the wing side.

(d) Connect the wires at the PL010, PL002, and PL011 connectors.

Install the left forward door post interior trim and the left side overhead trim. (Refer to the Model 172 Series 1996 and On Maintenance Manual, Interior Upholstery - Maintenance Practices.)

Install any access plates that were removed. (Refer to the Model 172 Series 1996 and On Maintenance Manual, Access/Inspection Plates - Description and Operation.)

E. (Refer to Figure 1, View F-F.) Install the 81010-1 Light - Landing, HID 35W and the 81011-1 Light - Taxi, HID 35W with new screws and spacers as shown.

NOTE: The spacer configuration is important for light dimming characteristics. (Refer to the Model 172 Series 1996 and On Maintenance Manual, Chapter 33 Landing/Taxi Lights - Maintenance Practices.)

Remove the maintenance warning tags and connect the airplane battery.
5. Do an operational check of the landing and taxi lights.
   A. Put the BAT MASTER switch in the on position.
   B. Put the LIGHTS LAND/OFF switch to LAND position.
   C. Put the LIGHTS TAXI/OFF switches to TAXI.
   D. Check operation of landing and taxi lights.
   E. Put the switches in the OFF positions.

6. Reinstall lens assembly to leading edge of wing. (Refer to the Maintenance Manual, Chapter 33, Landing/Taxi Lights - Maintenance Practices.)

7. Make an entry in the airplane logbook stating this modification kit has been installed.
Figure 1. HID Light Installation (Sheet 1)

**VIEW A-A**
VIEW LOOKING DOWN AT TOP OF LH WING
(SOME STRUCTURE OMITTED FOR CLARITY)

Figure 1. HID Light Installation (Sheet 1)
Figure 1. HID Light Installation (Sheet 2)

VIEW B-B
VIEW LOOKING INBOARD AT WS 100.00  
(BALLAST OMITTED FOR CLARITY)

NOTE:  ALL DIMENSIONS SHOWN ARE IN INCHES.

VIEW C-C
VIEW LOOKING INBOARD AT WS 100.00
Figure 1. HID Light Installation (Sheet 3)

VIEW D-D
VIEW LOOKING OUTBOARD AT WS 118.00
(BALLAST OMITTED FOR CLARITY)

CM3558-10-12G1
SCREW
0163-00179
INSULATOR
(3 EACH REQUIRED BETWEEN BALLAST AND SUPPORT ASSEMBLY)

0523031 RIB (REFERENCE)

TO TAXI LIGHT CIRCUIT BREAKER AND GROUND

0.38 (TYPICAL)

0.20

0.38 (TYPICAL)

0.50 (TYPICAL)

0.38 (TYPICAL)

CUTOUT FOR NUTPLATE CLEARANCE (FULL RADIUS) (TYPICAL 2 PLACES)

NUMBER 30 (0.128 INCH DIAMETER) HOLE S2906-4-1 RIVET (4 EACH REQUIRED)

0.20

0.38 (TYPICAL)

REMOVE LIGHTENING HOLE FLANGE

VIEW E-E
VIEW LOOKING OUTBOARD AT WS 118.00

81007-1 BALLAST KIT (1 REQUIRED)

Figure 1. HID Light Installation (Sheet 3)
Figure 1. HID Light Installation (Sheet 4)

- NAS43DD3-121FC SPACER MS35207-273 SCREW (1 EACH REQUIRED)
- NAS43DD3-101FC SPACER MS35207-273 SCREW (1 EACH REQUIRED)
- NAS43DD3-109FC SPACER MS35207-273 SCREW (1 EACH REQUIRED)
- NAS43DD3-113FC SPACER MS35207-273 SCREW (1 EACH REQUIRED)
- 81010-1 HID 35W LANDING LIGHT (REFERENCE)
- 81011-1 HID 35W TAXI LIGHT (REFERENCE)

INBD
UP

VIEW F-F
VIEW LOOKING AFT

MK172-33-01
May 9, 2005
Figure 2. Cable Assembly Installation (Sheet 1)
# HIGH INTENSITY DISCHARGE (HID) LANDING AND TAXI LIGHT INSTALLATION

## EFFECTIVITY

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<td>18280001 thru 18280944</td>
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<td>T206H</td>
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## DESCRIPTION

To install HID landing and taxi lights.

## APPROVAL

FAA approval has been obtained on technical data in this publication that affects airplane type design.

## REFERENCES

SB05-33-01

## CHANGE IN WEIGHT AND BALANCE

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<tr>
<td>MOMENT</td>
<td>74.48 inch-pounds</td>
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<tr>
<td>MOMENT/1000</td>
<td>0.074 inch-pounds</td>
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</table>

May 9, 2005

To obtain satisfactory results, procedures specified in this publication must be accomplished in accordance with accepted methods and prevailing government regulations. Cessna Aircraft Company cannot be responsible for the quality of work performed in accomplishing the requirements of this publication.

Cessna Aircraft Company, Product Support, P.O. Box 7706, Wichita, Kansas 67277, U.S.A. (316) 517-5800, Facsimile (316) 942-9006

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MATERIAL INFORMATION
The following parts cover installation for one airplane.

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<tr>
<td>MS3367-1-9</td>
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<td>Tie Strap</td>
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<tr>
<td>S1050-1</td>
<td>2</td>
<td>Grommet</td>
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<td>81011-1</td>
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In addition to the above kit, the following part will be necessary for Model 182 airplanes.

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<td>Landing Lights Wire Bundle Assembly - LH Wing</td>
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In addition to the above kit, the following part will be necessary for Model 206 airplanes.

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<td>Landing Lights Wire Bundle Assembly - LH Wing</td>
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The following material, or equivalent, is necessary.

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<th>NUMBER</th>
<th>NAME</th>
<th>MANUFACTURER</th>
<th>USE</th>
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<tbody>
<tr>
<td>Alodine 1132</td>
<td>Touch-N-Prep</td>
<td>Cessna Aircraft Company Cessna Parts Distribution 5800 East Pawnee PO Box 1521 Wichita, KS 67218</td>
<td>To apply to bare metal.</td>
</tr>
</tbody>
</table>
ACCOMPLISHMENT INSTRUCTIONS

Instructions

1. Prepare the airplane for maintenance.
   A. Make sure that all switches are in the OFF position.
   B. Disconnect electrical power from the airplane. (Refer to the Maintenance Manual, Chapter 24.)
      (1) Disconnect the airplane battery.
      (2) Disconnect external electrical power.
   C. Attach maintenance warning tags to the battery and external power receptacle that have "DO NOT CONNECT ELECTRICAL POWER - MAINTENANCE IN PROGRESS" written on them.

   A. Note the spacer configuration for reinstallation.
   B. Keep the screws and the spacers that attach them.
   C. Keep the lens.

3. Install HID taxi and landing lights.
   A. (Refer to Figure 1, View F-F.) Do a modification to the 0523106 Bracket with the 0797001-5 Template as shown.
   B. Remove any landing/taxi light mounting nutplates on the 0523106, that were not removed during the modification in Step 3A.
   C. Remove any holes left by the removed landing and taxi light mounting nutplates that do not have a minimum of 1.5 edge distance.
   D. Apply Alodine 1132 and corrosion resistant primer to the bare metal edges.
   E. Paint all internal leading edge structure black between WS 136.00 and 154.00.
   F. (Refer to Figure 1, View G-G.) Put the 0797001-2 Mounting Plate Assembly in position as shown and attach it with clamps.
   G. Match drill the thirteen Number 40 (0.098-inch diameter) pilot holes in the 0797001-2 Mounting Plate Assembly through the 0523106 Bracket.
   H. Drill the pilot holes to Number 30 (0.128-inch diameter). Deburr the holes.
   I. Install the 0797001-2 Mounting Plate Assembly with 13 S2906-4-2 Rivets.
   J. Bond the S1050-1 Grommets with EC1300LP Adhesive.
K. Install the outboard ballast kit.
   (1) (Refer to Figure 1, View B-B.) Put the 0722710-1 Support Assembly in position as shown and attach it with a clamp.
   (2) Drill six Number 40 (0.098 inch diameter) holes through the pilot holes in the 0722710-1 Support Assembly and into the structure. Deburr the holes.
   (3) Drill the six holes in the 0722710-1 Support Assembly to Number 30 (0.128-inch diameter) holes. Deburr the holes.
   (4) Install the 0722710-1 Support Assembly with six S2906-4-2 Rivets.
   (5) (Refer to Figure 1, View C-C.) Install one 81007-1 Ballast Kit with three each CM3558-10-12G1 Screws and 0163-00179 Insulators with the insulators between the ballast and the 0722710-1 Support Assembly.
   (6) Check for isolation of greater than 100 Kohms with an ohm meter between the 81007-1 Ballast Kit and the wing rib.
   **NOTE:** It is important that the 81007-1 Ballast Kit be electrically isolated from the structure of the airplane for correct magnetometer or flux detector operation.

L. Install the inboard ballast kit.
   (1) (Refer to Figure 1, View D-D.) Put the 0722710-1 Support Assembly in position as shown and attach it with a clamp.
   (2) Drill six Number 40 (0.098-inch diameter) holes through the pilot holes in the 0722710-1 Support Assembly and into the structure. Deburr the holes.
   (3) Drill the six holes in the 0722710-1 Support Assembly to Number 30 (0.128-inch diameter) holes. Deburr the holes.
   (4) Install the 0722710-1 Support Assembly with six S2906-4-2 Rivets.
   (5) (Refer to Figure 1, View E-E.) Install one 81007-1 Ballast Kit with three each CM3558-10-12G1 Screws and 0163-00179 Insulators with the insulators between the ballast and the 0722710-1 Support Assembly.
   (6) Check for isolation of greater than 100 Kohms with an ohm meter between the 81007-1 Ballast Kit and the wing rib.
   **NOTE:** It is important that the 81007-1 Ballast Kit be electrically isolated from the structure of the airplane for correct magnetometer or flux detector operation.

M. (Refer to Figure 2.) Do a modification to the electrical wiring with one 0770550-7 (182) or 1270550-6 (206) Landing Lights Wire Bundle Assembly - LH Wing.
   (1) Remove access plates 510RB, 510QB, 510PB, 510MB, 510JB, 520KB, 520HBM, and the wing-to-fuselage panels as necessary to get access to the landing/taxi light wiring on the leading edge of the left wing. (Refer to the Maintenance Manual, Access/Inspection Plates - Description and Operation.)
   (2) Remove the left forward door post interior trim to get access to the Landing/Taxi light PL002 wire connector. (Refer to the Model 206H/T206H Series 1998 And On Maintenance Manual, Interior Upholstery - Maintenance Practices.)
   (3) Remove the left side over-door headliner interior trim to get access to the GL010 grounding stud. (Refer to the Maintenance Manual, Interior Upholstery - Maintenance Practices.)
   (4) (Refer to Figure 2.) Remove the existing wiring for the landing/taxi light along the leading edge of the left wing.
   (5) Route new wires in the existing leading edge bundle. Use MS3367-1-9 Tie Straps as necessary.
   (6) Cut the wires to length as necessary and terminate them with the pins and terminal included with the cable assembly.
Connect the wires at the PL010, PL002, and PL011 connectors.

Route ground wire GL010-APL011(14) with the LH fuel sender wires. Terminate the taxi light ground terminal to ground stud GL010 located in the cabin, just above and inboard of the fuel sender.

Install the left forward door post interior trim. (Refer to the Maintenance Manual, Interior Upholstery - Maintenance Practices.)

Install the left side over-door headliner interior trim. (Refer to the Maintenance Manual, Interior Upholstery - Maintenance Practices.)

Install any access plates that were removed. (Refer to the Maintenance Manual, Access/Inspection Plates - Description and Operation.)

N. (Refer to Figure 1, View A-A.) Install the 81010-1 Light - Landing, HID 35W and the 81011-1 Light - Taxi, HID 35W with the kept screws and spacers in the same configuration as before removal. (Refer to the Maintenance Manual, Chapter 33 Landing/Taxi Lights - Maintenance Practices.)

NOTE: The spacer configuration is important for light dimming characteristics. (Refer to the Maintenance Manual, Chapter 33 Landing/Taxi Lights - Maintenance Practices.)

4. Remove the maintenance warning tags and connect the airplane battery.

5. Do an operational check of the landing and taxi lights.
   A. Put the BAT MASTER switch in the on position.
   B. Put the LIGHTS LAND/OFF switch to LAND position.
   C. Put the LIGHTS TAXI/OFF switches to TAXI.
   D. Check operation of landing and taxi lights.
   E. Put the switches in the OFF positions.

6. Install the landing/taxi light lens.

7. Make an entry in the airplane logbook stating this modification kit has been installed.
Figure 1. HID Light Installation (Sheet 1)

VIEW A-A
(SOME STRUCTURE OMITTED FOR CLARITY)

INBD
FWD

WS 136.00

WS 154.00
Figure 1. HID Light Installation (Sheet 2)

NOTE: ALL DIMENSIONS SHOWN ARE IN INCHES.

VIEW B-B
VIEW LOOKING OUTBOARD AT WS 154.00 (BALLAST OMITTED FOR CLARITY)

VIEW C-C
VIEW LOOKING OUTBOARD AT WS 154.00

FORWARD FACE OF 0523106 BRACKET ASSEMBLY (BRACKET NOT SHOWN FOR CLARITY) (REFERENCE)

1.70

0.80

0.48

2.30

NUMBER 30 (0.128-INCH DIAMETER) HOLE
S2906-4-2 RIVET (6 EACH REQUIRED)

0722710-1 SUPPORT ASSEMBLY (1 REQUIRED)

81007-1 BALLAST KIT (1 REQUIRED)

TO TAXI LIGHT

TO LANDING LIGHT CIRCUIT BREAKER AND GROUND

CM3558-10-12G1 SCREW (3 REQUIRED)
0163-00179 INSULATOR (3 REQUIRED BETWEEN BALLAST AND SUPPORT ASSEMBLY)

Figure 1. HID Light Installation (Sheet 2)
Figure 1. HID Light Installation (Sheet 3)

**VIEW D-D**
VIEW LOOKING INBOARD AT WS 136.00
(BALLAST OMITTED FOR CLARITY)

- CM3558-10-12G1 SCREW
  (3 REQUIRED)
- 0163-00179 INSULATOR
  (3 REQUIRED BETWEEN BALLAST AND SUPPORT ASSEMBLY)

**VIEW E-E**
VIEW LOOKING INBOARD AT WS 136.00

- 81007-1 BALLAST KIT
  (1 REQUIRED)
- TO LANDING LIGHT CIRCUIT BREAKER AND GROUND
- TO LANDING LIGHT

Figure 1. HID Light Installation (Sheet 3)
Figure 1. HID Light Installation (Sheet 4)
Figure 2. Wiring Modification (Sheet 1)
TITLE
HIGH INTENSITY DISCHARGE (HID) LANDING AND TAXI LIGHT INSTALLATION

EFFECTIVITY

<table>
<thead>
<tr>
<th>Model</th>
<th>Serial Numbers</th>
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<tbody>
<tr>
<td>172R</td>
<td>17280001 thru 17281233</td>
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<td>172S</td>
<td>172S8001 thru 172S9770</td>
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<tr>
<td>182S</td>
<td>18280001 thru 18280944</td>
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<td>182T</td>
<td>18280945 thru 18281503</td>
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<td>T182T</td>
<td>T18208001 thru T18208357</td>
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<td>206H</td>
<td>20608001 thru 20608226</td>
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<td>T206H</td>
<td>T20608001 thru T20608506</td>
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REASON
To announce that modification kits are available to replace the existing incandescent landing and taxi lights with high intensity discharge (HID) lights.

DESCRIPTION
The HID lights may be installed as specified in this Service Bulletin.

COMPLIANCE
Optional: may be accomplished if desired.

APPROVAL
FAA approval has been obtained on technical data in this publication that affects airplane type design.
MANPOWER

Approximately 5.9 man-hours to install MK172-33-01
Approximately 10.8 man-hours to install MK206-33-01

REFERENCES


NOTE: Make sure all publications used are complete and current.
NOTE: This information shall be considered an amendment to the Cessna Manufacturer's Service/Maintenance Manual.

OTHER PUBLICATIONS AFFECTED

Model 172R and Model 172S Illustrated Parts Catalog
Model 182S/182T/T182T Illustrated Parts Catalog
Model 206H & Model T206H Illustrated Parts Catalog

NOTE: Make sure all publications used are complete and current.

MATERIAL PRICE AND AVAILABILITY

The parts below are available from Cessna Parts Distribution through an appropriate Cessna Service Station for the suggested list price shown.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Qty/Airplane</th>
<th>Price</th>
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<tbody>
<tr>
<td>MK172-33-01</td>
<td>High Intensity Discharge (HID) Landing And Taxi Light Installation Kit, (172R &amp; 172S)</td>
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<td>$2,550.00 (A) ea</td>
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<tr>
<td>MK206-33-01</td>
<td>High Intensity Discharge (HID) Landing And Taxi Light Installation Kit, (182S, 182T, T182T, 206H &amp; T206H) (See Notes 1 &amp; 2)</td>
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<td>0770550-7</td>
<td>Landing Lights Wire Bundle Assembly, Left Wing (182S, 182T &amp; T182T)</td>
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</tr>
<tr>
<td>1270550-6</td>
<td>Landing Lights Wire Bundle Assembly, Left Wing (206H &amp; T206H)</td>
<td>1</td>
<td>$399.00 (S) ea</td>
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<tr>
<td>Part Number</td>
<td>Description</td>
<td>Qty/Airplane</td>
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<td>EC1300LP</td>
<td>Adhesive (Pint)</td>
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<td>U074093</td>
<td>Alodine 1132 Marker</td>
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<td>Corrosion Resistant Primer (Kit)</td>
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ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE

NOTE 1: In addition to Modification Kit MK206-33-01, 182S, 182T and T182T model airplanes must also order one 0770550-7 Landing Lights Wire Bundle Assembly, Left Wing.

NOTE 2: In addition to Modification Kit MK206-33-01, 206H and T206H model airplanes must also order one 1270550-6 Landing Lights Wire Bundle Assembly, Left Wing.

CREDIT INFORMATION
Not applicable

ACCOMPLISHMENT INSTRUCTIONS
Modification Kits MK172-33-01 and MK206-33-01: High Intensity Discharge (HID) Landing And Taxi Light Installation instructions are attached.

OWNER NOTIFICATION
On May 23, 2005 the following message will be sent to applicable owners of record in SB05-33-01A.

Dear Cessna Owner:

This Owner Advisory is to inform you that Service Bulletin SB05-33-01 has been issued to announce that modification kits are available to replace the existing incandescent landing and taxi lights with high intensity discharge (HID) lights.

Compliance is optional; may be accomplished if desired.

The information contained in the referenced Cessna Service Bulletin shall be considered an amendment to the Cessna Manufacturer's Service/Maintenance Manual.

Please contact a Cessna Single Engine Service Station for detailed information and if desired, arrange to have Cessna Service Bulletin SB05-33-01 accomplished on your airplane.