LENS INSTALLATION PRECAUTIONS

- Lens installation and replacement should be made by a qualified service personnel.
- Be sure to install the lens by following this procedure precisely.
- Do not touch or remove any parts except the lens and related parts. It may result in malfunctions, electrical shock, fire hazard or other accidents.
- Before installing or replacing the lens, check that the Part No. of the Projection Lens matches to the projector.
- When moving or setting up the projector, be sure to replace the Lens Cover to protect the surface. And be careful not to hold or subject the lens to strong forces. Otherwise, the surface may become scratched, and the lens may become misaligned or injured. The minor misalignment or injury of the lens may result in malfunction. Owing to the projector's weight and size, injury of the lens may result in personal injury.
- Do not load or remove any parts except the lens and related parts. It may result in malfunctions, electrical shock, fire hazard or other accidents.
- Be sure to install the lens by following this procedure precisely.
- Lens installation and replacement should be made by a qualified service personnel.

AVAILABLE LENS

- 3 types of Light-Block Plates
- 3 types of Spacers
- 2 types of Safety Clamps
- The Optional Lenses below are not applicable for LC-HDT2000.
- Lens Part No.:
  - AH-32501, AH-32701, AH-21041, AH-21101, AH-21102, AH-21022, AH-21023

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Code No.</th>
<th>Type</th>
<th>Zoom</th>
<th>Focus</th>
</tr>
</thead>
<tbody>
<tr>
<td>LNS-W0</td>
<td></td>
<td>Z</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LNS-W02</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LNS-W03</td>
<td></td>
<td>Z</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LNS-W04</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LNS-W06</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LNS-S03</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LNS-S04</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LNS-M02</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LNS-T0</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LNS-T02</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

For details of the lens and installation, consult the sales dealer where you purchased the projector.
Lens Mounting

3

Remove the Cover Plate by lifting upwards. (See Fig. 4)

5

This projector can use three (3) different types of Light-Block Plates, use the Light-Block Plate that corresponds to the appropriate optional lens. (Refer to the list below.)

NOTE:

L Make sure the shape of the Light-Block Plate is correct.

L Make sure the mark (UP/DOWN and FRONT/BACK) on Light-Block Plates are correct and set them properly.

L Use two (2) Light-Block Plates for AH-32021/AH-32022.

Light-Block Plate for each Lens

<table>
<thead>
<tr>
<th>Light-Block Plate Type</th>
<th>Type No. (PART No.)</th>
<th>Lens Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>FK2A</td>
<td>(6103224034)</td>
<td>AH-21012, AH-22051, AH-22061, AH-22091, AH-22101</td>
</tr>
<tr>
<td>FK2B</td>
<td>(6103224032)</td>
<td>AH-21012, AH-22051, AH-22061, AH-22091, AH-22101</td>
</tr>
</tbody>
</table>

6

Insert the lower Light-Block Plate. (See Fig. 5.)

7

Grasp (release lock) the Lens Lock Lever and turn it fully upward. (See Fig. 6)

Set up the projector and project image on a screen. Loosen the Focus Lens Lock Screw and rotate the Projection Lens to obtain proper focus. After adjusting focus, be sure to lock the Projection Lens with the Focus Lens Lock Screw securely. (See Fig. 1)

Adjust focus of the Projection Lens Part No. AH-32021 and AH-32022 following the Focus Adjustment on page 6.

9

Adjust focus of the Projection Lens. (AH-21012 and AH-32021 only.)

To ensure that the lens is securely fixed to the projector when mounting, be sure to attach the provided Safety Clamp. There are two different types of Safety Clamps depending on the lens of the projector. Check the Part No. of the lens before attaching the Safety Clamp and use a Safety Clamp that matches to the lens.
Install the Upper Light-Block Plate into the guide of Lower Light-Block Plate. (See Fig. 9)

Note: When installing the Upper Light-Block Plate, the Lower Light-Block Plate should be lifted upward with your hand.

Make sure the mark (UP/DOWN and FRONT/BACK) on Light-Block Plate is correct and set them properly.

Replace and fix the Top Cover with two (2) screws. (See Fig. 10)

When using AH-32021/AH-32022:

- When installing AH-32021/AH-32022, use two (2) Light-Block Plates. Make sure the figure is correct and put in proper position. (See Fig. 11)

Before mounting the Light-Block Plate (No. 610 335 4545), turn the projector on and move the projected image to the most upper left with the lens shift function. Then turn the projector off. Then insert the Light-Block Plate (No. 610 335 4545) in the direction shown in the figure to the right. The Light-Block Plate should encircle the lens. Rotate the Light Block Plate counter clockwise until the convex side is in a downward position.

Note: The side with "THIS SIDE BACK" must face backward.

Turn the projector on and operate Lens shift, Zoom and Focus fully to check the Light-Block Plates. If Light-Block Plate interferes with those operations, check the Light-Block Plate is set properly.

CAUTION: Do not operate the projector with Light-Block Plate removed. Doing so may result in malfunction of the projector.

Focus Lock Screw

Set up the projector and project image on the screen.

1. Loosen the Focus Lock Screw on the lens.
2. Rotate the lens to obtain proper focus on center area of the screen. When the distance between the screen and lens is 1 meter, set the Focus Lock Screw position on the lens.
3. Lock the Focus Lock Screw securely. When proper focus is not observed at outer area of the screen, proceed the following adjustments.
4. Loosen the Focus Lock Ring on the lens. (Turn the Lock Ring counter-clockwise.)
5. Rotate the lens to obtain proper focus on outer area of the screen.
6. Lock the Focus Lock Ring securely. (Turn the Lock Ring clockwise.)

If proper focus is not observed over the entire screen, repeat above adjustments.

Adjust zoom first and then adjust focus.

AH-32581

Rotate this part of the lens to obtain proper zoom.

Rotate this part of the lens to obtain proper focus.

AH-21012

Focus Lock Screw

Rotate this part of the lens to obtain proper focus.
BE SURE TO CHECK FOR SAFETY

1. Check no part is missing and no mounting part is loose.

2. Check the lens is securely fixed with the screws.

3. Check the lens is not installed or attached to the projector.

4. Check the screen is securely fixed with the mounting method.

5. Check that the lens is not damaged or scratched.

6. Check the focus of the lens is accurate.

7. Check that the lens is aligned with the projector lens.

8. Check that the lens is not damaged or scratched.

9. Check that the lens is not installed or attached to the projector.

10. Check that the lens is not damaged or scratched.

11. Check that the lens is not installed or attached to the projector.

12. Check that the lens is not damaged or scratched.

13. Check that the lens is not installed or attached to the projector.

14. Check that the lens is not damaged or scratched.

15. Check that the lens is not installed or attached to the projector.

16. Check that the lens is not damaged or scratched.

17. Check that the lens is not installed or attached to the projector.

18. Check that the lens is not damaged or scratched.

19. Check that the lens is not installed or attached to the projector.

20. Check that the lens is not damaged or scratched.

21. Check that the lens is not installed or attached to the projector.

22. Check that the lens is not damaged or scratched.

23. Check that the lens is not installed or attached to the projector.

24. Check that the lens is not damaged or scratched.

25. Check that the lens is not installed or attached to the projector.

26. Check that the lens is not damaged or scratched.

27. Check that the lens is not installed or attached to the projector.

28. Check that the lens is not damaged or scratched.

29. Check that the lens is not installed or attached to the projector.

30. Check that the lens is not damaged or scratched.

31. Check that the lens is not installed or attached to the projector.

32. Check that the lens is not damaged or scratched.

33. Check that the lens is not installed or attached to the projector.

34. Check that the lens is not damaged or scratched.

35. Check that the lens is not installed or attached to the projector.

36. Check that the lens is not damaged or scratched.

37. Check that the lens is not installed or attached to the projector.

38. Check that the lens is not damaged or scratched.

39. Check that the lens is not installed or attached to the projector.

40. Check that the lens is not damaged or scratched.

41. Check that the lens is not installed or attached to the projector.

42. Check that the lens is not damaged or scratched.

43. Check that the lens is not installed or attached to the projector.

44. Check that the lens is not damaged or scratched.

45. Check that the lens is not installed or attached to the projector.

46. Check that the lens is not damaged or scratched.

47. Check that the lens is not installed or attached to the projector.

48. Check that the lens is not damaged or scratche...