

ideapad 300

ideapad 300-14ISK

ideapad 300-15ISK

ideapad 300-17ISK

Hardware Maintenance Manual

Lenovo[™]

Note:

Before using this information and the product it supports, be sure to read the general information under “Notices” on page 117.

First Edition (August 2015)

© Copyright Lenovo 2015. All rights reserved.

LENOVO products, data, computer software, and services have been developed exclusively at private expense and are sold to governmental entities as commercial items as defined by 48 C.F.R. 2.101 with limited and restricted rights to use, reproduction and disclosure.

LIMITED AND RESTRICTED RIGHTS NOTICE: If products, data, computer software, or services are delivered pursuant a General Services Administration “GSA” contract, use, reproduction, or disclosure is subject to restrictions set forth in Contract No. GS-35F-05925.

© 2015 Lenovo

Contents

About this manual	iv	FRU replacement notices	32
Safety information	1	Screw notices	32
General safety	2	Removing and replacing an FRU	33
Electrical safety	3	1010 Hard disk drive(HDD)/Memory/Mini PCI Express Card slot compartment cover	34
Safety inspection guide	5	1020 Hard disk drive	35
Handling devices that are sensitive to electrostatic discharge.....	6	1030 DIMM	39
Grounding requirements	6	1040 PCI Express Mini Card for wireless LAN/WAN	40
Safety notices: multilingual translations.....	7	1050 Keyboard.....	42
Laser compliance statement.....	14	1060 Optical drive.....	44
Important service information	16	1070 Keyboard bezel	45
Strategy for replacing FRUs.....	16	1080 System board	49
Strategy for replacing a hard disk drive	17	1090 Fan assembly and Heat Sink assembly.....	55
Important notice for replacing a system board	17	1100 LCD unit.....	57
Important information about replacing RoHS compliant FRUs	18	1110 Battery pack	60
General checkout	19	1120 Speakers, base cover, IO board, DC-IN, power board and ODD transfer board	61
What to do first	20	1130 LCD front bezel.....	68
Power system checkout	21	1140 LCD panel and LCD cable.....	69
Checking the AC adapter.....	21	1150 LCD hinges	71
Checking operational charging	22	1160 Integrated camera	73
Checking the battery pack	22	1170 Antenna assembly and LCD cover	74
Related service information	23	Locations	75
Restoring the factory contents by using Recovery Disc Set	23	Front view	75
Start Recovery Disc (one disc).....	23	Bottom and Left-side view	77
Operating System Recovery Disc (one or more discs)	23	Right-side view	78
Applications and Drivers Recovery Disc (one or more discs).....	23	Parts list.....	79
Supplemental Recovery Disc.....	23	Overall.....	80
Passwords.....	24	LCD FRUs.....	89
Power-on password	24	Keyboard.....	93
Hard-disk password	24	Miscellaneous parts.....	108
Supervisor password	24	Screws.....	109
Power management	25	AC adapters.....	110
Screen blank state	25	Power cords	114
Putting your computer to sleep.....	25	Notices	117
Shutting down the computer.....	26	Trademarks	118
Lenovo ideapad 300-14ISK/ideapad 300- 15ISK/ideapad 300-17ISK	27		
Specifications	27		
Status indicators	30		
Hotkeys.....	31		

About this manual

This manual contains service and reference information for the following Lenovo product:

Lenovo ideapad 300-14ISK/ideapad 300-15ISK/ideapad 300-17ISK

Use this manual to troubleshoot problems.

The manual is divided into the following sections:

- The common sections provide general information, guidelines, and safety information required for servicing computers.
- The product-specific section includes service, reference, and product-specific parts information.

Important:

This manual is intended only for trained servicers who are familiar with Lenovo products. Use this manual to troubleshoot problems effectively. Before servicing a Lenovo product, make sure to read all the information under “Safety information” on page 1 and “Important service information” on page 16.

Safety information

This chapter presents the following safety information that you need to get familiar with before you service a Lenovo computer:

- “General safety” on page 2
- “Electrical safety” on page 3
- “Safety inspection guide” on page 5
- “Handling devices that are sensitive to electrostatic discharge” on page 6
- “Grounding requirements” on page 6
- “Safety notices: multilingual translations” on page 7
- “Laser compliance statement” on page 14

General safety

Follow these rules below to ensure general safety:

- Observe a good housekeeping in the area where the machines are put during and after the maintenance.
- When lifting any heavy object:
 1. Make sure that you can stand safely without slipping.
 2. Distribute the weight of the object equally between your feet.
 3. Use a slow lifting force. Never move suddenly or twist when you attempt to lift it.
 4. Lift it by standing or pushing up with your leg muscles; this action could avoid the strain from the muscles in your back. Do not attempt to lift any object that weighs more than 16 kg (35 lb) or that you think is too heavy for you.
- Do not perform any action that causes hazards to the customer, or that makes the machine unsafe.
- Before you start the machine, make sure that other service representatives and the customer are not in a hazardous position.
- Please remove covers and other parts in a safe place, away from all personnel, while you are servicing the machine.
- Keep your toolcase away from walk areas so that other people will not trip it over.
- Do not wear loose clothing that can be trapped in the moving parts of the machine. Make sure that your sleeves are fastened or rolled up above your elbows. If your hair is long, fasten it.
- Insert the ends of your necktie or scarf inside clothing or fasten it with the nonconductive clip, about 8 centimeters (3 inches) from the end.
- Do not wear jewelry, chains, metal-frame eyeglasses, or metal fasteners for your clothing.

Attention: Metal objects are good electrical conductors.
- Wear safety glasses when you are hammering, drilling, soldering, cutting wire, attaching springs, using solvents, or working in any other conditions that may be hazardous to your eyes.
- After service, reinstall all safety shields, guards, labels, and ground wires. Replace any safety device that is worn or defective.
- Reinstall all covers correctly before returning the machine to the customer.
- Fan louvers on the machine help to prevent the overheating of internal components. Do not obstruct fan louvers or cover them with labels or stickers.

Electrical safety

Observe the following rules when working on electrical equipments.

Important:

Use only approved tools and test equipments. Some hand tools have handles covered with a soft material that does not insulate you when working with live electrical currents.

Many customers have rubber floor mats near their machines that contain small conductive fibers to decrease electrostatic discharges. Do not use such kind of mat to protect yourself from electrical shock.

- Find the room emergency power-off (EPO) switch, disconnecting switch, or electrical outlet. If an electrical accident occurs, you can then operate the switch or unplug the power cord quickly.
- Do not work alone under hazardous conditions or near the equipment that has hazardous voltages.
- Disconnect all power before:
 - Performing a mechanical inspection
 - Working near power supplies
 - Removing or installing main units
- Before you start to work on the machine, unplug the power cord. If you cannot unplug it, ask the customer to power-off the wall box that supplies power to the machine, and to lock the wall box in the off position.
- If you need to work on a machine that has exposed electrical circuits, observe the following precautions:
 - Ensure that another person, familiar with the power-off controls, is near you.

Attention: Another person must be there to switch off the power, if necessary.
 - Use only one hand when working with powered-on electrical equipment; keep the other hand in your pocket or behind your back.

Attention: An electrical shock can occur only when there is a complete circuit. By observing the above rule, you may prevent a current from passing through your body.
 - When using testers, set the controls correctly and use the approved probe leads and accessories for that tester.
 - Stand on suitable rubber mats (obtained locally, if necessary) to insulate you from grounds such as metal floor strips and machine frames.

Observe the special safety precautions when you work with very high voltages; instructions for these precautions are in the safety sections of maintenance information. Be extremely careful when you measure the high voltages.

- Regularly inspect and maintain your electrical hand tools for safe operational condition.
- Do not use worn or broken tools and testers.
- Never assume that power has been disconnected from a circuit. First, check it to make sure that it has been powered off.

// *Lenovo ideapad 300-14ISK/ideapad 300-15ISK/ideapad 300-17ISK Hardware Maintenance Manual*

- Always look carefully for possible hazards in your work area. Examples of these hazards are moist floors, nongrounded power extension cables, power surges, and missing safety grounds.
- Do not touch live electrical circuits with the reflective surface of a plastic dental mirror. The surface is conductive; such touching can cause personal injury and machine damage.
- Do not service the following parts with the power on when they are removed from their normal operating places in a machine:
 - Power supply units
 - Pumps
 - Blowers and fans
 - Motor generatorsand similar units. (This practice ensures correct grounding of the units.)
- If an electrical accident occurs:
 - Use caution: do not become a victim yourself.
 - Switch off the power.
 - Send the victim to get medical aid.

Safety inspection guide

The purpose of this inspection guide is to assist you in identifying potential unsafe conditions. As each machine was designed and built, required safety items were installed to protect users and service personnel from injury. This guide addresses only those items. You should use good judgment to identify potential safety hazards due to attachment of non-Lenovo features or options not covered by this inspection guide.

If any unsafe conditions are present, you must determine how serious the apparent hazard could be and whether you can continue without first correcting the problem.

Consider these conditions and the safety hazards they present:

- Electrical hazards, especially primary power (primary voltage on the frame can cause serious or fatal electrical shock)
- Explosive hazards, such as a damaged CRT face or a bulging capacitor
- Mechanical hazards, such as loose or missing hardware

To determine whether there are any potential unsafe conditions, use the following checklist at the beginning of every service task. Begin the checks with the power off, and the power cord disconnected.

Checklist:

1. Check exterior covers for damage (loose, broken, or sharp edges).
2. Turn off the computer. Disconnect the power cord.
3. Check the power cord for:
 - a. A third-wire ground connector in good condition. Use a meter to measure third-wire ground continuity for 0.1 ohm or less between the external ground pin and the frame ground.
 - b. The power cord should be the type specified in the parts list.
 - c. Insulation must not be frayed or worn.
4. Check for cracked or bulging batteries.
5. Remove the cover.
6. Check for any obvious non-Lenovo alterations. Use good judgment as to the safety of any non-Lenovo alterations.
7. Check inside the unit for any obvious unsafe conditions, such as metal filings, contamination, water or other liquids, or signs of fire or smoke damage.
8. Check for worn, frayed, or pinched cables.
9. Check that the power-supply cover fasteners (screws or rivets) have not been removed or tampered with.

Handling devices that are sensitive to electrostatic discharge

Any computer part containing transistors or integrated circuits (ICs) should be considered sensitive to electrostatic discharge (ESD). ESD damage can occur when there is a difference in charge between objects. Protect against ESD damage by equalizing the charge so that the machine, the part, the work mat, and the person handling the part are all at the same charge.

Notes:

1. Use product-specific ESD procedures when they exceed the requirements noted here.
2. Make sure that the ESD protective devices you use have been certified (ISO 9000) as fully effective.

When handling ESD-sensitive parts:

- Keep the parts in protective packages until they are inserted into the product.
- Avoid contact with other people.
- Wear a grounded wrist strap against your skin to eliminate static on your body.
- Prevent the part from touching your clothing. Most clothing is insulative and retains a charge even when you are wearing a wrist strap.
- Use the black side of a grounded work mat to provide a static-free work surface. The mat is especially useful when handling ESD-sensitive devices.
- Select a grounding system, such as those listed below, to provide protection that meets the specific service requirement.

Notes:

The use of a grounding system to guard against ESD damage is desirable but not necessary.

- Attach the ESD ground clip to any frame ground, ground braid, or green-wire ground.
- When working on a double-insulated or battery-operated system, use an ESD common ground or reference point. You can use coax or connector-outside shells on these systems.
- Use the round ground prong of the ac plug on ac-operated computers.

Grounding requirements

Electrical grounding of the computer is required for operator safety and correct system function. Proper grounding of the electrical outlet can be verified by a certified electrician.

Safety notices: multilingual translations

The safety notices in this section are provided in English, French, German, Hebrew, Italian, Japanese, and Spanish.

Safety notice 1

Before the computer is powered on after FRU replacement, make sure all screws, springs, and other small parts are in place and are not left loose inside the computer. Verify this by shaking the computer and listening for rattling sounds. Metallic parts or metal flakes can cause electrical shorts.

Avant de remettre l'ordinateur sous tension après remplacement d'une unité en clientèle, vérifiez que tous les ressorts, vis et autres pièces sont bien en place et bien fixées. Pour ce faire, secouez l'unité et assurez-vous qu'aucun bruit suspect ne se produit. Des pièces métalliques ou des copeaux de métal pourraient causer un court-circuit.

Bevor nach einem FRU-Austausch der Computer wieder angeschlossen wird, muß sichergestellt werden, daß keine Schrauben, Federn oder andere Kleinteile fehlen oder im Gehäuse vergessen wurden. Der Computer muß geschüttelt und auf Klappergeräusche geprüft werden. Metallteile oder-splitter können Kurzschlüsse erzeugen.

לפני הפעלת המחשב לאחר החלפת FRU יש לוודא שכל הברגים, הקפיצים, וחלקים קטנים אחרים נמצאים במקומם ואינם חופשיים לזוז בתוך המחשב. כדי לוודא זאת, יש ללטלט את המחשב ולהקשיב לגילוי קולות שקשוק. חלקי או שבבי מתכת עלולים לגרום לקצרים חשמליים.

Prima di accendere l'elaboratore dopo che é stata effettuata la sostituzione di una FRU, accertarsi che tutte le viti, le molle e tutte le altre parti di piccole dimensioni siano nella corretta posizione e non siano sparse all'interno dell'elaboratore. Verificare ciò scuotendo l'elaboratore e prestando attenzione ad eventuali rumori; eventuali parti o pezzetti metallici possono provocare cortocircuiti pericolosi.

FRUの交換後、コンピュータの電源を入れる前に、ねじ、バネ、その他の小さな部品がすべて正しい位置にあり、またコンピュータの内部で緩んでいないことを確認してください。これを確認するには、コンピュータを振って、カチャカチャと音がしないか確かめます。金属部品や金属破片はショートの原因になることがあります。

Antes de encender el sistema despues de sustituir una FRU, compruebe que todos los tornillos, muelles y demás piezas pequeñas se encuentran en su sitio y no se encuentran sueltas dentro del sistema. Compruébelo agitando el sistema y escuchando los posibles ruidos que provocarían. Las piezas metálicas pueden causar cortocircuitos eléctricos.

Safety notice 2

⚠ DANGER

Some standby batteries contain a small amount of nickel and cadmium. Do not disassemble a standby battery, recharge it, throw it into fire or water, or short-circuit it. Dispose of the battery as required by local ordinances or regulations. Use only the battery in the appropriate parts listing. Use of an incorrect battery can result in ignition or explosion of the battery.

Certaines batteries de secours contiennent du nickel et du cadmium. Ne les démontez pas, ne les rechargez pas, ne les exposez ni au feu ni à l'eau. Ne les mettez pas en court-circuit. Pour les mettre au rebut, conformez-vous à la réglementation en vigueur. Lorsque vous remplacez la pile de sauvegarde ou celle de l'horloge temps réel, veillez à n'utiliser que les modèles cités dans la liste de pièces détachées adéquate. Une batterie ou une pile inappropriée risque de prendre feu ou d'exploser.

Die Bereitschaftsbatterie, die sich unter dem Diskettenlaufwerk befindet, kann geringe Mengen Nickel und Cadmium enthalten. Sie darf nicht zerlegt, wiederaufgeladen, kurzgeschlossen, oder Feuer oder Wasser ausgesetzt werden. Bei der Entsorgung die örtlichen Bestimmungen für Sondermüll beachten. Beim Ersetzen der Bereitschafts- oder Systematterie nur Batterien des Typs verwenden, der in der Ersatzteilliste aufgeführt ist. Der Einsatz falscher Batterien kann zu Entzündung oder Explosion führen.

סוללות המתנה מסוימות מכילות כמות קטנה של ניקל וקדמיום. אין למרק סוללת המתנה, לטעון אותה מחדש, להשליך אותה לאש או למים או לקצר אותה. יש לטפל את הסוללה כדורש על ידי התקנות והחוקים המקומיים. יש להשתמש רק בסוללה המופיעה ברשימת החלקים המתאימה. שימוש בסוללה לא מתאימה עלול לגרום להצתה או התפוצצות של הסוללה.

Alcune batterie di riserva contengono una piccola quantità di nichel e cadmio. Non smontarle, ricaricarle, gettarle nel fuoco o nell'acqua né cortocircuitarle. Smaltirle secondo la normativa in vigore (DPR 915/82, successive disposizioni e disposizioni locali). Quando si sostituisce la batteria dell'RTC (real time clock) o la batteria di supporto, utilizzare soltanto i tipi inseriti nell'appropriato Catalogo parti. L'impiego di una batteria non adatta potrebbe determinare l'incendio o l'esplosione della batteria stessa.

予備バッテリーの中には少量のニッケルとカドミウムが含まれているものがあります。したがって、予備バッテリーの分解、再充電、火または水の中への投棄、またはショートさせることは決して行わないでください。バッテリーを廃棄する場合は地方自治体の条例に従ってください。適切なパーツ・リストにあるバッテリーだけを使用してください。誤ったバッテリーを使用すると、バッテリーが発火したり、爆発したりすることがあります。

Algunas baterías de reserva contienen una pequeña cantidad de níquel y cadmio. No las desmonte, ni recargue, ni las eche al fuego o al agua ni las cortocircuite. Deséchelas tal como dispone la normativa local. Utilice sólo baterías que se encuentren en la lista de piezas. La utilización de una batería no apropiada puede provocar la ignición o explosión de la misma.

Safety notice 3

⚠ DANGER

The battery pack contains small amounts of nickel. Do not disassemble it, throw it into fire or water, or short-circuit it. Dispose of the battery pack as required by local ordinances or regulations. Use only the battery in the appropriate parts listing when replacing the battery pack. Use of an incorrect battery can result in ignition or explosion of the battery.

La batterie contient du nickel. Ne la démontez pas, ne l'exposez ni au feu ni à l'eau. Ne la mettez pas en court-circuit. Pour la mettre au rebut, conformez-vous à la réglementation en vigueur. Lorsque vous remplacez la batterie, veillez à n'utiliser que les modèles cités dans la liste de pièces détachées adéquate. En effet, une batterie inappropriée risque de prendre feu ou d'exploser.

Akkus enthalten geringe Mengen von Nickel. Sie dürfen nicht zerlegt, wiederaufgeladen, kurzgeschlossen, oder Feuer oder Wasser ausgesetzt werden. Bei der Entsorgung die örtlichen Bestimmungen für Sondermüll beachten. Beim Ersetzen der Batterie nur Batterien des Typs verwenden, der in der Ersatzteilliste aufgeführt ist. Der Einsatz falscher Batterien kann zu Entzündung oder Explosion führen.

מארו הסוללה מכיל כמות קטנה של ניקל וקדמיום. אין לפרק את מארו הסוללה, להשליך אותו לאש או למים או לקצר אותו. יש לשלק את מארו הסוללה הסוללה כנדרש על ידי התקנות והחוקים המקומיים. יש להשתמש רק בסוללה המופיעה ברשימת החלקים המתאימה בזמן החלפת מארו הסוללה. שימוש בסוללה לא מתאימה עלול לגרום לנזקה או התפוצצות של הסוללה.

La batteria contiene piccole quantità di nichel. Non smontarla, gettarla nel fuoco o nell'acqua né cortocircuitarla. Smaltirla secondo la normativa in vigore (DPR 915/82, successive disposizioni e disposizioni locali). Quando si sostituisce la batteria, utilizzare soltanto i tipi inseriti nell'appropriato Catalogo parti. L'impiego di una batteria non adatta potrebbe determinare l'incendio o l'esplosione della batteria stessa.

バッテリー・パックには少量のニッケルが含まれています。バッテリー・パックを分解したり、火または水の中に投げ込んだり、ショートさせないでください。バッテリー・パックの廃棄にあたっては、地方自治体の条例または規則に従ってください。バッテリー・パックを交換するときは、適切なパーツ・リストにあるバッテリーだけを使用してください。誤ったバッテリーを使用すると、バッテリーが発火したり、爆発したりすることがあります。

Las baterías contienen pequeñas cantidades de níquel. No las desmonte, ni recargue, ni las eche al fuego o al agua ni las cortocircuite. Deséchelas tal como dispone la normativa local. Utilice sólo baterías que se encuentren en la lista de piezas al sustituir la batería. La utilización de una batería no apropiada puede provocar la ignición o explosión de la misma.

Safety notice 4

⚠ DANGER

The lithium battery can cause a fire, an explosion, or a severe burn. Do not recharge it, remove its polarized connector, disassemble it, heat it above 100°C (212°F), incinerate it, or expose its cell contents to water. Dispose of the battery as required by local ordinances or regulations. Use only the battery in the appropriate parts listing. Use of an incorrect battery can result in ignition or explosion of the battery.

La pile de sauvegarde contient du lithium. Elle présente des risques d'incendie, d'explosion ou de brûlures graves. Ne la rechargez pas, ne retirez pas son connecteur polarisé et ne la démontez pas. Ne l'exposez pas à une température supérieure à 100°C, ne la faites pas brûler et n'en exposez pas le contenu à l'eau. Mettez la pile au rebut conformément à la réglementation en vigueur. Une pile inappropriée risque de prendre feu ou d'exploser.

Die Systematterie ist eine Lithiumatterie. Sie kann sich entzünden, explodieren oder schwere Verbrennungen hervorrufen. Batterien dieses Typs dürfen nicht aufgeladen, zerlegt, über 100 C erhitzt oder verbrannt werden. Auch darf ihr Inhalt nicht mit Wasser in Verbindung gebracht oder der zur richtigen Polung angebrachte Verbindungsstecker entfernt werden. Bei der Entsorgung die örtlichen Bestimmungen für Sondermüll beachten. Beim Ersetzen der Batterie nur Batterien des Typs verwenden, der in der Ersatzteilliste aufgeführt ist. Der Einsatz falscher Batterien kann zu Entzündung oder Explosion führen.

סוללת הליתיום עלולה לגרום לשריפה, להתפוצצות או לכוויות קשות. אין לטעון אותה מחדש, לטלוק את המחבר המקוטב שלה, למרק אותה או לחמם אותה לטמפרטורה העולה על 100 מעלות צלזיוס. יש לשרוף את הסוללה ואין לחשוף את תוכן התא למים. יש לטלוק את הסוללה כנדרש בתקנות ובחוקים המקומיים. יש להשתמש רק בסוללה המופיעה ברשימת החלקים המתאימים. שימוש בסוללה אחרת עלול לגרום לסכנת שריפה או התפוצצות.

La batteria di supporto e una batteria al litio e puo incendiarsi, esplodere o procurare gravi ustioni. Evitare di ricaricarla, smontarne il connettore polarizzato, smontarla, riscaldarla ad una temperatura superiore ai 100 gradi centigradi, incendarla o gettarla in acqua. Smaltirla secondo la normativa in vigore (DPR 915/82, successive disposizioni e disposizioni locali). L'impiego di una batteria non adatta potrebbe determinare l'incendio o l'esplosione della batteria stessa.

リチウム・バッテリーは、火災、爆発、または重症のやけどを引き起こすことがあります。バックアップ・バッテリーの充電、その極性コネクタの取り外し、バッテリー本体の分解、100°C (212°F) 以上への加熱、焼却、電池の中身を水に浸すことはしないでください。バッテリーを廃棄する場合は地方自治体の条例に従ってください。適切なパーツ・リストにあるバッテリーだけを使用してください。誤ったバッテリーを使用すると、バッテリーが発火したり、爆発したりすることがあります。

La batería de respaldo es una batería de litio y puede provocar incendios, explosiones o quemaduras graves. No la recargue, ni quite el conector polarizado, ni la desmonte, ni caliente por encima de los 100°C (212°F), ni la incinere ni exponga el contenido de sus celdas al agua. Deséchela tal como dispone la normativa local.

Safety notice 5

If the LCD breaks and the fluid from inside the LCD gets into your eyes or on your hands, immediately wash the affected areas with water for at least for 15 minutes. Seek medical care if any symptoms caused by the fluid are present after washing.

Si le panneau d'affichage à cristaux liquides se brise et que vous recevez dans les yeux ou sur les mains une partie du fluide, rincez-les abondamment pendant au moins quinze minutes. Consultez un médecin si des symptômes persistent après le lavage.

Die Leuchtstoffröhre im LCD-Bildschirm enthält Quecksilber. Bei der Entsorgung die örtlichen Bestimmungen für Sondermüll beachten. Der LCD-Bildschirm besteht aus Glas und kann zerbrechen, wenn er unsachgemäß behandelt wird oder der Computer auf den Boden fällt. Wenn der Bildschirm beschädigt ist und die darin befindliche Flüssigkeit in Kontakt mit Haut und Augen gerät, sollten die betroffenen Stellen mindestens 15 Minuten mit Wasser abgespült und bei Beschwerden anschließend ein Arzt aufgesucht werden.

אם מסך הניבש הנוזלי (LCD) נשבר והנוזל מתוך המסך בא במגע עם עיניים או ידיים, שטפו את האזורים הנוגעים מיד במים במשך 15 דקות לפחות. מנו לקבלת עזרה רפואית אם תסמינים הנובעים מהמגע עם הנוזל נמשכים לאחר השטיפה.

Nel caso che caso l'LCD si dovesse rompere ed il liquido in esso contenuto entrasse in contatto con gli occhi o le mani, lavare immediatamente le parti interessate con acqua corrente per almeno 15 minuti; poi consultare un medico se i sintomi dovessero permanere.

LCD が破損し、LCD の中の液体が目に入ったり、手に触れたりした場合は、液体が触れた部分を少なくとも 15 分間洗い流してください。洗い流した後に、液体によって何らかの症状が現れた場合は、医師の治療を受けてください。

Si la LCD se rompe y el fluido de su interior entra en contacto con sus ojos o sus manos, lave inmediatamente las áreas afectadas con agua durante 15 minutos como mínimo. Obtenga atención medica si se presenta algún síntoma del fluido despues de lavarse.

Safety notice 6

⚠ DANGER

To avoid shock, do not remove the plastic cover that protects the lower part of the inverter card.

Afin d'éviter tout risque de choc électrique, ne retirez pas le cache en plastique protégeant la partie inférieure de la carte d'alimentation.

Aus Sicherheitsgründen die Kunststoffabdeckung, die den unteren Teil der Spannungswandlerplatine umgibt, nicht entfernen.

כדי למנוע התחשמלות, אין להסיר את מכסה הפלסטיק המגן על חלקו התחתון של הכרטיס ההפוך.

Per evitare scosse elettriche, non rimuovere la copertura in plastica che avvolge la parte inferiore della scheda invertitore.

感電を防ぐため、インバーター・カードの下部を保護しているプラスチック・カバーを外さないでください。

Para evitar descargas, no quite la cubierta de plástico que rodea la parte baja de la tarjeta invertida.

Safety notice 7

⚠ DANGER

Though the main batteries have low voltage, a shorted or grounded battery can produce enough current to burn personnel or combustible materials.

Bien que le voltage des batteries principales soit peu élevé, le court-circuit ou la mise à la masse d'une batterie peut produire suffisamment de courant pour brûler des matériaux combustibles ou causer des brûlures corporelles graves.

Obwohl Hauptbatterien eine niedrige Spannung haben, können sie doch bei Kurzschluß oder Erdung genug Strom abgeben, um brennbare Materialien zu entzünden oder Verletzungen bei Personen hervorzurufen.

אף שהסוללות הראשיות הן בעלות מתח נמוך, סוללה מקוצרת או מוארקת עלולה להפיק זרם מספיק לגרימת כוויות או להצתת חומרים דליקים.

Sebbene le batterie di alimentazione siano a basso voltaggio, una batteria in corto circuito o a massa può fornire corrente sufficiente da bruciare materiali combustibili o provocare ustioni ai tecnici di manutenzione.

メイン・バッテリーの電圧は低くても、ショートしたり、接地したバッテリーが、作業者にやけどを負わせたり、可燃物を燃やすだけの電流を発生させる場合があります。

Aunque las baterías principales tienen un voltaje bajo, una batería cortocircuitada o con contacto a tierra puede producir la corriente suficiente como para quemar material combustible o provocar quemaduras en el personal.

Safety notice 8

⚠ DANGER

Before removing any FRU, turn off the computer, unplug all power cords from electrical outlets, remove the battery pack, and then disconnect any interconnecting cables.

Avant de retirer une unité remplaçable en clientèle, mettez le système hors tension, débranchez tous les cordons d'alimentation des socles de prise de courant, retirez la batterie et déconnectez tous les cordons d'interface.

Die Stromzufuhr muß abgeschaltet, alle Stromkabel aus der Steckdose gezogen, der Akku entfernt und alle Verbindungskabel abgenommen sein, bevor eine FRU entfernt wird.

לפני סילוק FRU כלשהו, יש לכבות את המחשב, לנתק את כל כבלי החשמל משקעי החשמל, להוציא את סוללת הסוללה, ואז לנתק כבלי חיבור אחרים אם יש כאלה.

Prima di rimuovere qualsiasi FRU, spegnere il sistema, scollegare dalle prese elettriche tutti i cavi di alimentazione, rimuovere la batteria e poi scollegare i cavi di interconnessione.

FRUを取り外す前に、ThinkPadの電源を切って、すべての電源コードをコンセントから外してください。次に、バッテリー・パックを外し、相互接続ケーブルを外してください。

Antes de quitar una FRU, apague el sistema, desenchufe todos los cables de las tomas de corriente eléctrica, quite la batería y, a continuación, desconecte cualquier cable de conexión entre dispositivos.

Laser compliance statement

Some models of Lenovo computer are equipped from the factory with an optical storage device such as a CD-ROM drive or a DVD-ROM drive. Such devices are also sold separately as options. If one of these drives is installed, it is certified in the U.S. to conform to the requirements of the Department of Health and Human Services 21 Code of Federal Regulations (DHHS 21 CFR) Subchapter J for Class 1 laser products. Elsewhere, the drive is certified to conform to the requirements of the International Electrotechnical Commission (IEC) 825 and CENELEC EN 60 825 for Class 1 laser products.

If a CD-ROM drive, a DVD-ROM drive, or another laser device is installed, note the following:

⚠ CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein might result in hazardous radiation exposure.

O uso de controles, ajustes ou desempenho de procedimentos diferentes daqueles aqui especificados pode resultar em perigosa exposição à radiação.

凡未在这里指明的任何控制用法、调整、行为，都会导致严重后果。

Pour éviter tout risque d'exposition au rayon laser, respectez les consignes de réglage et d'utilisation des commandes, ainsi que les procédures décrites.

Werden Steuer- und Einstellelemente anders als hier festgesetzt verwendet, kann gefährliche Laserstrahlung auftreten.

Az itt előírt eljárásokról, beállításokról és vezérlésekről eltérni a lézersugárzás veszélye miatt kockázatos!

L'utilizzo di controlli, regolazioni o l'esecuzione di procedure diverse da quelle specificate possono provocare l'esposizione a.

Использование элементов настройки и выполнение процедур иных, чем указано здесь, может привести к опасному радиационному облучению.

Použitie kontrol, úprav alebo iných vykonaní od iných výrobcov, ako je v tomto špecifikované, mohlo by mať za následok nebezpečenstvo vystavenia sa vyžiarovaniu.

本書で指定された内容以外のお客様による整備、調整、または手順を行った場合、レーザー光の放射の危険があります。

El uso de controles o ajustes o la ejecución de procedimientos distintos de los aquí especificados puede provocar la exposición a radiaciones peligrosas.

Opening the CD-ROM drive, the DVD-ROM drive, or any other optical storage device could result in exposure to hazardous laser radiation. There are no serviceable parts inside those drives. **Do not open.**

A CD-ROM drive, a DVD-ROM drive, or any other storage device installed may contain an embedded Class 3A or Class 3B laser diode. Note the following:

 **DANGER**

Emits visible and invisible laser radiation when open. Do not stare into the beam, do not view directly with optical instruments, and avoid direct exposure to the beam.

Radiação por raio laser ao abrir. Não olhe fixo no feixe de luz, não olhe diretamente por meio de instrumentos óticos e evite exposição direta com o feixe de luz.

开启时会有激光发射时，请勿直视激光光束，请勿直接查看视觉仪器，并且避免直接接触在激光光束之中。

Rayonnement laser si carter ouvert. Évitez de fixer le faisceau, de le regarder directement avec des instruments optiques, ou de vous exposer au rayon.

Laserstrahlung bei geöffnetem Gerät. Nicht direkt oder über optische Instrumente in den Laserstrahl sehen und den Strahlungsbereich meiden.

Kinyitáskor lézersugár ! Ne nézzen bele se szabad szemmel, se optikai eszközökkel. Kerülje a sugárnyalábbal való érintkezést!

Aprendo l'unità vengono emesse radiazioni laser. Non fissare il fascio, non guardarlo direttamente con strumenti ottici e evitare l'esposizione diretta al fascio.

Открывая, берегитесь лазерного излучения. Не смотрите на луч, не разглядывайте его с помощью оптических инструментов, а также избегайте прямого воздействия лазерного луча.

Keď je laserová jednotka otvorená. Vyhňte sa priamemu pohľadu a nehládte priamo s optickými nástrojmi do lúča a vyhňte sa priamemu vystaveniu lúčov.

開けるとレーザー光が放射されます。光線を見つめたり、光学機械を使って直接見たりしないでください。

Radiación láser al abrir. No mire fijamente ni examine con instrumental óptico el haz de luz. Evite la exposición directa al haz.

Important service information

This chapter presents the following important service information:

- “Strategy for replacing FRUs” on page 16
 - “Strategy for replacing a hard disk drive” on page 17
 - “Important notice for replacing a system board” on page 17
- “Important information about replacing RoHS compliant FRUs” on page 18

Important:

BIOS and device driver fixes are customer-installable. The BIOS and device drivers are posted on the customer support site:
<http://support.lenovo.com>.

Strategy for replacing FRUs

Before replacing parts:

Make sure that all software fixes, drivers, and BIOS downloads are installed before replacing any FRUs listed in this manual.

After a system board is replaced, ensure that the latest BIOS is loaded to the system board before completing the service action.

To download software fixes, drivers, and BIOS, follow the steps below:

1. Go to <http://support.lenovo.com>.
2. Enter the serial number or select a product or use Lenovo smart downloading.
3. Select the BIOS/Driver/Applications and download.
4. Follow the directions on the screen and install the necessary software.

Use the following strategy to prevent unnecessary expense for replacing and servicing FRUs:

- If you are instructed to replace an FRU, but the replacement does not solve the problem, reinstall the original FRU before you continue.
- Some computers have both a processor board and a system board. If you are instructed to replace either of them, and replacing one of them does not solve the problem, reinstall that board, and then replace the other one.
- If an adapter or a device consists of more than one FRU, any of the FRUs may be the cause of the error. Before replacing the adapter or device, remove the FRUs one by one to see if the symptoms change. Replace only the FRU that changed the symptoms.

Attention: The setup configuration on the computer you are servicing may have been customized. Running Automatic Configuration may alter the settings. Note the current configuration settings (using the View Configuration option); then, when service has been completed, verify that those settings remain in effect.

Strategy for replacing a hard disk drive

Always try to run a low-level format before replacing a hard disk drive. This will cause all customer data on the hard disk to be lost. Make sure that the customer has a current backup of the data before performing this action.

Attention: The drive startup sequence in the computer you are servicing may have been changed. Be extremely careful during write operations such as copying, saving, or formatting. If you select an incorrect drive, data or programs can be overwritten.

Important notice for replacing a system board

Some components mounted on a system board are very sensitive. Improper handling can cause damage to those components, and may cause a system malfunction.

Attention: When handling a system board:

- Do not drop the system board or apply any excessive force to it.
- Avoid rough handling of any kind.
- Avoid bending the system board and hard pushing to prevent cracking at each BGA (Ball Grid Array) chipset.

Important information about replacing RoHS compliant FRUs

RoHS, The Restriction of Hazardous Substances in Electrical and Electronic Equipment Directive (2002/95/EC) is a European Union legal requirement affecting the global electronics industry. RoHS requirements must be implemented on Lenovo products placed on the market after June 2006. Products on the market before June 2006 are not required to have RoHS compliant parts. If the original FRU parts are non-compliant, replacement parts can also be non-compliant. In all cases if the original FRU parts are RoHS compliant, the replacement part must also be RoHS compliant.

Note: RoHS and non-RoHS FRU part numbers with the same fit and function are identified with unique FRU part numbers.

Lenovo plans to transit to RoHS compliance well before the implementation date and expects its suppliers to be ready to support Lenovo's requirements and schedule in the EU. Products sold in 2005 and 2006 will contain some RoHS compliant FRUs. The following statement pertains to these products and any product Lenovo produces containing RoHS compliant FRUs.

RoHS compliant FRUs have unique FRU part numbers. Before or after the RoHS implementation date, failed RoHS compliant parts must always be replaced with RoHS compliant ones, so only the FRUs identified as compliant in the system HMM or direct substitutions for those FRUs may be used.

Products marketed before June 2006		Products marketed after June 2006	
Current or original part	Replacement FRU	Current or original part	Replacement FRU
Non-RoHS	Can be Non-RoHS	Must be RoHS	Must be RoHS
Non-RoHS	Can be RoHS		
Non-RoHS	Can sub to RoHS		
RoHS	Must be RoHS		

Note: A direct substitution is a part with a different FRU part number that is automatically shipped by the distribution center at the time of the order.

General checkout

This chapter presents the following information:

- “What to do first” on page 20
- “Power system checkout” on page 21

Before you go to the checkout, make sure to read the following important notes:

Important notes:

- **Only certified trained personnel can service the computer.**
- **Before replacing any FRU, read the entire page on removing and replacing FRUs.**
- **When you replace FRUs, use new nylon-coated screws.**
- **Be extremely careful during such write operations as copying, saving, or formatting.** Drives in the computer that you are servicing sequence might have been altered. If you select an incorrect drive, data or programs might be overwritten.
- **Replace an FRU only with another FRU of the correct model.** When you replace an FRU, make sure that the machine model and the FRU part number are correct by referring to the FRU parts list.
- **An FRU should not be replaced just because of a single, unreproducible failure.** Single failures can occur for a variety of reasons that have nothing to do with a hardware defect, such as cosmic radiation, electrostatic discharge, or software errors. Consider replacing an FRU only when a problem recurs. If you suspect that an FRU is defective, clear the error logs and run the test again. If the error does not recur, do not replace the FRU.
- **Be careful not to replace a nondefective FRU.**

What to do first

When you do return an FRU, you must include the following information in the parts exchange form or parts return form that you attach to it:

1. Name and phone number of servicer
2. Date of service
3. Date on which the machine failed
4. Date of purchase
5. Procedure index and page number in which the failing FRU was detected
6. Failing FRU name and part number
7. Machine type, model number, and serial number
8. Customer's name and address

Note for warranty: During the warranty period, the customer may be responsible for repair costs if the computer damage was caused by misuse, accident, modification, unsuitable physical or operating environment, or improper maintenance by the customer.

The following is a list of some common items that are not covered under warranty and some symptoms that might indicate that the system was subjected to stress beyond normal use.

Before checking problems with the computer, determine whether the damage is covered under the warranty by referring to the following list:

The following are not covered under warranty:

- LCD panel cracked from the application of excessive force or from being dropped
- Scratched (cosmetic) parts
- Distortion, deformation, or discoloration of the cosmetic parts
- Plastic parts, latches, pins, or connectors that have been cracked or broken by excessive force
- Damage caused by liquid spilled into the system
- Damage caused by the improper insertion of a PC Card or the installation of an incompatible card
- Improper disk insertion or use of an optical drive
- Diskette drive damage caused by pressure on the diskette drive cover, foreign material in the drive, or the insertion of a diskette with multiple labels
- Damaged or bent diskette eject button
- Fuses blown by attachment of a nonsupported device
- Forgotten computer password (making the computer unusable)
- Sticky keys caused by spilling a liquid onto the keyboard
- Use of an incorrect AC adapter on laptop products

The following symptoms might indicate damage caused by nonwarranted activities:

- Missing parts might be a symptom of unauthorized service or modification.
- If the spindle of a hard disk drive becomes noisy, it may have been subjected to excessive force, or dropped.

Power system checkout

To verify a symptom, follow the steps below:

1. Turn off the computer.
2. Remove the battery pack.
3. Connect the AC adapter.
4. Make sure that power is supplied when you turn on the computer.
5. Turn off the computer.
6. Disconnect the AC adapter and install the charged battery pack.
7. Make sure that the battery pack supplies power when you turn on the computer.

If you suspect a power problem, see the appropriate one of the following power supply checkouts:

- “Checking the AC adapter” on page 21
- “Checking operational charging” on page 22
- “Checking the battery pack” on page 22

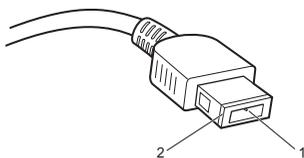
Checking the AC adapter

You are here because the computer fails only when the AC adapter is used.

- If the power-on indicator does not turn on, check the power cord of the AC adapter for correct continuity and installation.
- If the computer does not charge during operation, go to “Checking operational charging”.

To check the AC adapter, follow the steps below:

1. Unplug the AC adapter cable from the computer.
2. Measure the output voltage at the plug of the AC adapter cable. See the following figure:



Pin	Voltage (V DC)
1	+20
2	0

Note: Output voltage for the AC adapter pin No. 2 may differ from the one you are servicing.

3. If the voltage is not correct, replace the AC adapter.
4. If the voltage is acceptable, do the following:
 - Replace the system board.
 - If the problem persists, go to “Lenovo ideapad 300-14ISK/ideapad 300-15ISK/ideapad 300-17ISK” on page 27.

Note: Noise from the AC adapter does not always indicate a defect.

Checking operational charging

To check whether the battery charges properly during operation, use a discharged battery pack or a battery pack that has less than 50% of the total power remaining when installed in the computer.

Perform operational charging. If the battery status indicator or icon does not light on, remove the battery pack and let it return to room temperature. Reinstall the battery pack. If the charge indicator or icon is still off, replace the battery pack.

If the charge indicator still does not light on, replace the system board. Then reinstall the battery pack. If it is still not charged, go to the next section.

Checking the battery pack

Battery charging does not start until the Power Meter shows that less than 95% of the total power remains; under this condition the battery pack can charge to 100% of its capacity. This protects the battery pack from being overcharged or from having a shortened life.

To check your battery, move your cursor to the Power Meter icon in the icon tray of the Windows® taskbar and wait for a moment (but do not click it), and the percentage of battery power remaining is displayed. To get detailed information about the battery, double-click the Power Meter icon.

Note: If the battery pack becomes hot, it may not be able to be charged. Remove it from the computer and leave it at room temperature for a while. After it cools down, reinstall and recharge it.

Related service information

This chapter presents the following information:

- “Restoring the factory contents by using Recovery Disc Set” on page 23
- “Passwords” on page 24
- “Power management” on page 25

Restoring the factory contents by using Recovery Disc Set

When the hard disk drive or solid state drive is replaced because of a failure, no product recovery program is on the new drive. In this case, you must use the *Recovery Disc Set* for the computer. Order the *Recovery Disc Set* and the drive at the same time so that you can recover the new drive with the pre-installed software when they arrive.

The *Recovery Disc Set* consists of the following set of DVDs to restore the computer to the original factory configuration.

Start Recovery Disc (one disc)

This disc is used to format the hard disk drive and initiate the recovery process.

Operating System Recovery Disc (one or more discs)

This disc restores the Microsoft Windows operating system.

Applications and Drivers Recovery Disc (one or more discs)

This disc restores the pre-installed applications and drivers on the computer.

Supplemental Recovery Disc

This disc contains additional content, such as software for specific models and updates to the software that was preloaded on the computer. Not all recovery disc sets come with a *Supplemental Recovery Disc*.

To restore the computer to the original factory configuration using the recovery disc set, do the following:

1. Insert the bootable *Start Recovery Disc* into the optical drive.
2. Start the computer. When the Lenovo logo comes up, immediately press F12; on the boot sequence menu, select the optical drive as the first boot-up device. The computer will boot from the *Start Recovery Disc*. Follow the on-screen instructions to begin the recovery process.
3. Read the license. If you agree with the terms, select **I accept these terms and conditions** and then click **Next**.
4. Insert the **Operating System Recovery Disc** when prompted and click **Yes** to begin the operating system recovery process.
5. Insert the *Applications and Drivers Recovery Disc* when prompted and then click **OK** to begin the applications and drivers recovery process.
6. If you have a *Supplemental Recovery Disc*, insert it when prompted and click **Yes**. If you do not have a *Supplemental Recovery Disc*, click **No**.

7. When all of the data has been copied from the last disc in the set, remove the disc and restart the computer.

Note: The remainder of the recovery process is fully automated and no action is required by you. The computer will restart into the Windows desktop several times and you might experience periods when no activity is apparent on the screen for several minutes at a time. This is normal.

8. When the recovery process is complete, the Welcome to the Microsoft Windows screen is displayed. Follow the instructions on the screen to complete the Windows setup.

Passwords

As many as three passwords may be needed for any Lenovo computer: the power-on password (POP), the hard disk password (HDP), and the supervisor password (SVP).

If any of these passwords has been set, a prompt for it appears on the screen whenever the computer is turned on. The computer does not start until the password is entered.

Exception: If only an SVP is installed, the password prompt does not appear when the operating system is booted.

Power-on password

A power-on password (POP) protects the system from being powered on by an unauthorized person. The password must be entered before an operating system can be booted.

Hard-disk password

There are two hard-disk passwords (HDPs):

+ User HDP - for the user

+ Master HDP - for the system administrator, who can use it to get access to the hard disk drive even if the user has changed the user HDP

Attention: If the user HDP has been forgotten, check whether a master HDP has been set. If it has, it can be used for access to the hard disk drive. If no master HDP is available, neither Lenovo nor Lenovo authorized service technicians provide any services to reset either the user or the master HDP, or to recover data from the hard disk drive. The hard disk drive can be replaced for a scheduled fee.

Supervisor password

A supervisor password (SVP) protects the system information stored in the BIOS Setup Utility. The user must enter the SVP in order to get access to the BIOS Setup Utility and change the system configuration.

Attention: If the SVP has been forgotten and cannot be made available to the servicer, there is no service procedure to reset the password. The system board must be replaced for a scheduled fee.

Power management

Note: Power management modes are not supported for APM operating system.

To reduce power consumption, the computer has three power management modes: screen blank, sleep (standby), and hibernation.

Screen blank state

If the time set on the “Turn off monitor” timer in the operating system expires, the LCD backlight turns off. You can also turn off the LCD backlight by pressing .

To end screen blank state and resume normal operation, press .

Putting your computer to sleep

If you will be away from your computer for only a short time, put the computer to sleep.

When the computer is in sleep mode, you can quickly wake it to resume use, bypassing the startup process.

To put the computer to sleep, do one of the following:

- Close the display lid.
- Press the power button.
- Move the cursor to the lower-left corner, and then select the Start button.

Select **Power**  → **Sleep**.

Note: Put your computer to sleep before you move it. Moving your computer while the hard disk drive is spinning can damage the hard disk, causing loss of data.

To wake the computer, do one of the following:

- Press any key on the keyboard.
- Press the power button.
- Press the Windows button.

Shutting down the computer

If you are not going to use your computer for a long time, shut it down.

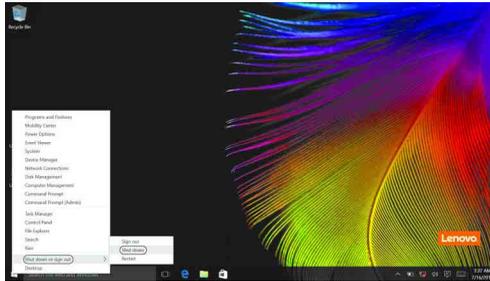
To shut down your computer, do one of the following:

- Move the cursor to the lower-left corner, and then select the Start button.

Select **Power**  → **Shut down**.



- Right-click the Start button in the lower-left corner and select **Shut down or sign out** → **Shut down**.



Lenovo ideapad 300-14ISK/ideapad 300-15ISK/ideapad 300-17ISK

This chapter presents the following product-specific service references and product-specific parts information:

- “Specifications” on page 27
- “Status indicators” on page 30
- “Hotkeys” on page 31
- “FRU replacement notices” on page 32
- “Removing and replacing an FRU” on page 33
- “Locations” on page 75
- “Parts list” on page 79

Specifications

The following table lists the specifications of the Lenovo ideapad 300-14ISK/ideapad 300-15ISK/ideapad 300-17ISK:

Table 1. Specifications

	ideapad 300-14ISK	ideapad 300-15ISK
Form Factor		
Dimensions	Appr. 347 mm × 249 mm × 22.9 mm	Appr. 384 mm × 265 mm × 22.9 mm
Weight	Appr. 2.1 kg	Appr. 2.3 kg
LCD size	14.0-inch	15.6-inch
ideapad 300-17ISK		
Form Factor		
Dimensions	Appr. 418 mm × 292.6 mm × 25.1 mm	
Weight	Appr. 3.0 kg	
LCD size	17.3-inch	
Processor		
See the system properties of your computer, you can do this as follows: Click Control Panel , then click Hardware and Sound , click Device Manager under Devices and Printers and double click Processors .		

Memory	
Type and speed	DDR3L-1333 MHz/1600 MHz
Maximum supported capacity	16 GB
Slots	SODIMM × 2
Bus architecture	
	<ul style="list-style-type: none"> • 1600MHz DDR3L • PCIE • SATA • USB • LPC • HDA • EDP • HDMI
CMOS RAM	
	<ul style="list-style-type: none"> • Embedded in PCH
Hard disk drive	
Form factor	2.5-inch, 7 mm/9.5 mm
Capacity	HDD: 500 GB/1 TB SSHD: 500 GB+8 GB/1 TB+8 GB SSD: 128 GB
Interface	SATA 3
Optical drive	
Form factor	9.0 mm
Type	RAMBO
Display	
Display resolution (LCD)	16:9 (1,366 × 768 pixels/1,920 × 1,080 pixels/ 1,600 × 900 pixels)
Maximum display resolution on external display device	1,920 × 1,080 pixels
LCD backlight	LED
I/O Ports	
USB	USB 3.0 × 1, USB 2.0 × 2
Audio	Combo audio jack × 1
Communication	RJ-45 × 1
Video/Audio	HDMI slot × 1
Video	VGA × 1
Memory card slot	4 in 1 slot × 1 (SD/SDHC/SDXC/MMC)

Lenovo ideapad 300-14ISK/ideapad 300-15ISK/ideapad 300-17ISK

Battery pack	
Type	Li-Cylinder battery
Cells/Capacity	4 cells, 32 Wh/41 Wh (ideapad 300-14ISK/ ideapad 300-15ISK) 4 cells, 41 Wh (ideapad 300-17ISK)
AC power adapter	
Input	100-240 V, 50-60 Hz
Output voltage	20 V DC
Power	45 W/65 W
Miscellaneous	
Camera	0.3 Mega, HD
Security	Kensington slot × 1

Status indicators

The system status indicators below show the computer status:

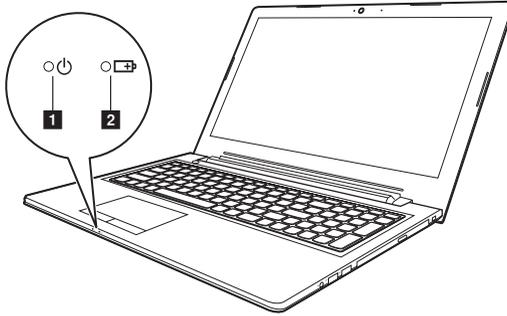


Table 2. Status indicators

Indicator	Indicator status	Meaning
Battery status indicator	On (solid white)	The battery has more than 20% charge.
	Solid amber	The battery has between 5% and 20% charge.
	Fast blinking amber	The battery has less than 5% charge.
	Slow blinking amber	The battery is being charged. When battery charge reaches 20%, the blinking color changes to white.
	Slow blinking white	The battery has between 20% and 80% charge and is still charging. When the battery reaches 80% charge the light will stop blinking, but charging will continue until the battery is fully charged.
Power status indicator	On (solid white)	The computer is powered on.
	Blinking	The computer is in sleep mode.
	Off	The computer is powered off.

Hotkeys

The hotkeys are located in the function key row of the keyboard. By pressing the appropriate hotkey, you can change system settings instantly.

The following describes the function of each hotkey.

Table 3. Hotkeys

 F11	: Mutes/unmutes the sound.	 F7	: Enables/disables airplane mode.
 F12	: Decreases the volume level.	 F8	: Displays all currently active apps.
 F9	: Increases the volume level.	 F9	: Turns on/off the backlight of the LCD screen.
 F4	: Closes the currently active window.	 F10	: Toggles the display between the computer and an external device.
 F5	: Refreshes the desktop or the currently active window.	 F11	: Decreases display brightness.
 F6	: Enables/disables the touch pad.	 F12	: Increases display brightness.

FRU replacement notices

This section presents notices related to removing and replacing parts. Read this section carefully before replacing any FRU.

Screw notices

Loose screws can cause a reliability problem. In the Lenovo computer, this problem is addressed with special nylon-coated screws that have the following characteristics:

- They maintain tight connections.
- They do not easily come loose, even with shock or vibration.
- They are harder to tighten.
- Each one should be used only once.

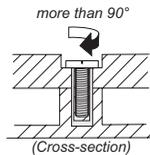
Do the following when you service this machine:

- Keep the screw kit in your tool bag.
- Remove screws carefully for reuse.
- Use a torque screwdriver if you have one.

Tighten screws as follows:

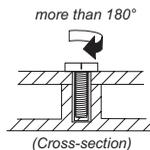
- **Plastic to plastic**

Turn an additional 90° after the screw head touches the surface of the plastic part:



- **Logic card to plastic**

Turn an additional 180° after the screw head touches the surface of the logic card:



- **Torque driver**

If you have a torque screwdriver, refer to the "Torque" column for each step.

- Make sure that you use the correct screws. If you have a torque screwdriver, tighten all screws firmly to the torque shown in the table. **Never use a screw that you removed. Use a new one. Make sure that all screws are tightened firmly.**
- Ensure torque screwdrivers are calibrated correctly following country specifications.

Removing and replacing an FRU

This section presents exploded figures with the instructions to indicate how to remove and replace the FRU. Make sure to observe the following general rules:

1. Do not attempt to service any computer unless you have been trained and certified. An untrained person runs the risk of damaging parts.
2. Before replacing any FRU, review “FRU replacement notices” on page 32.
3. Begin by removing any FRUs that have to be removed before the failing FRU. Any of such FRUs are listed at the top of the page. Remove them in the order in which they are listed.
4. Follow the correct sequence in the steps to remove the FRU, as given in the figures by the numbers in square callouts.
5. When turning a screw to replace an FRU, turn it in the direction as given by the arrow in the figure.
6. When removing the FRU, move it in the direction as given by the arrow in the figure.
7. To put the new FRU in place, reverse the removal procedures and follow any of the notes that pertain to replacement. For information about connecting and arranging internal cables, see “Locations” on page 75.
8. When replacing an FRU, use the correct screw as shown in the procedures.

DANGER

Before removing any FRU, turn off the computer, unplug all power cords from electrical outlets, remove the battery pack, and then disconnect any of the interconnecting cables.

Attention: After replacing an FRU, do not turn on the computer until you have made sure that all screws, springs, and other small parts are in place and none are loose inside the computer. Verify this by shaking the computer gently and listening for rattling sounds. Metallic parts or metal flakes can cause electrical short circuits.

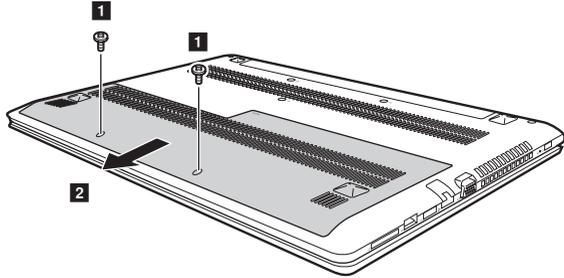
Attention: The system board is sensitive to, and can be damaged by, electrostatic discharge. Before touching it, establish personal grounding by touching a ground point with one hand or using an electrostatic discharge (ESD) strap (P/N 6405959) to remove potential shock reasons.

Note: The illustrations used in this section are of the Lenovo ideapad 300-15ISK, unless otherwise stated.

1010 Hard disk drive(HDD)/Memory/Mini PCI Express Card slot compartment cover

Figure 1. Removal steps of HDD/Memory/Mini PCI Express Card slot compartment cover

Loosen the screws **1** that secure the compartment cover. Remove the compartment cover **2** .



Step	Screw (quantity)	Color	Torque	PN
1	M2 × 6 mm, flat-head, nylok-coated (2) M2.5 × 7 mm, flat-head, nylok-coated (2) (ideapad 300-17ISK)	Black Black	18~2.0 kgfcm 3.0±0.3 kgfcm	5S10K61894

1020 Hard disk drive

For access, remove this FRU:

- “1010 Hard disk drive(HDD)/Memory/Mini PCI Express Card slot compartment cover” on page 34

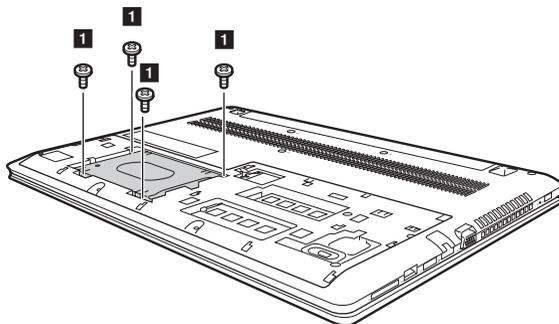
Attention:

- **Do not drop the hard disk drive or apply any physical shock to it.**
The hard disk drive is sensitive to physical shock. Improper handling can cause damages and permanent loss of data.
- Before removing the drive, suggest the customer to backup all the information on it if possible.
- Never remove the drive while the system is operating or is in suspend mode.

Figure 2. Removal steps of hard disk drive

Remove the frame fixing screws **1**.

ideapad 300-15ISK:



ideapad 300-14ISK:

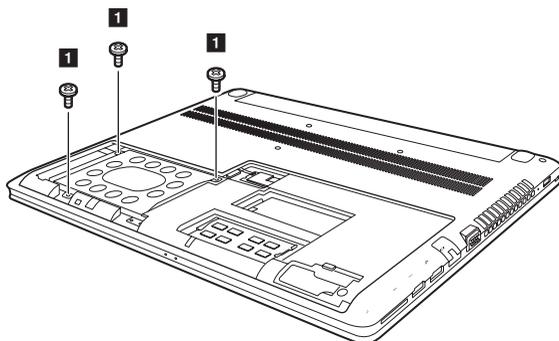
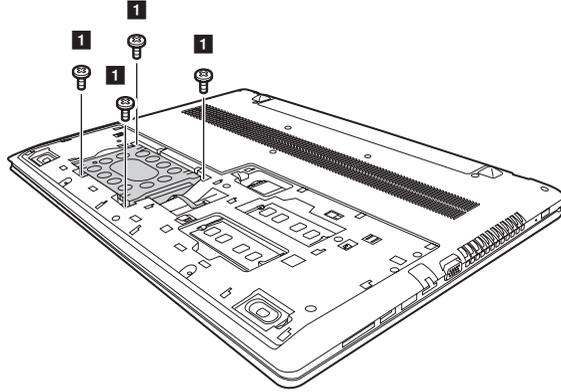


Figure 2. Removal steps of hard disk drive (continued)

ideapad 300-17ISK:

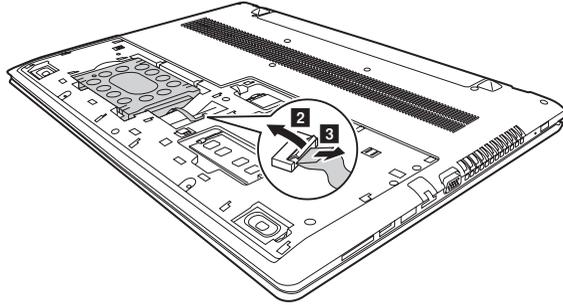


Step	Screw (quantity)	Color	Torque
1	M2 × 6 mm, flat-head, nylok-coated (3) (ideapad 300-14ISK)	Black	1.85+/-0.15 kgfcm
	M2 × 6 mm, flat-head, nylok-coated (4) (ideapad 300-15ISK)	Black	1.85+/-0.15 kgfcm
	M2 × 6 mm, flat-head, nylok-coated (4) (ideapad 300-17ISK)	Black	1.85±0.15 kgfcm

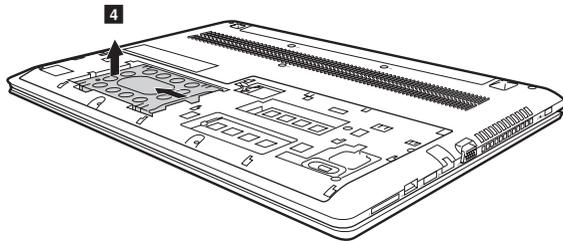
Lenovo ideapad 300-14ISK/ideapad 300-15ISK/ideapad 300-17ISK

Figure 2. Removal steps of hard disk drive (continued)

ideapad 300-17ISK: Detach the hard disk drive connector shown by arrows **2** and **3**.



ideapad 300-14ISK/ideapad 300-15ISK: Take out the hard disk drive secured in a metal frame in the direction shown by arrow **4**.



ideapad 300-17ISK:

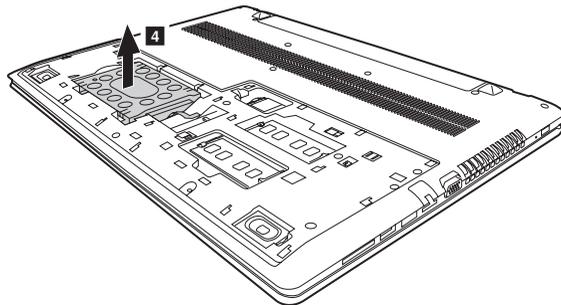
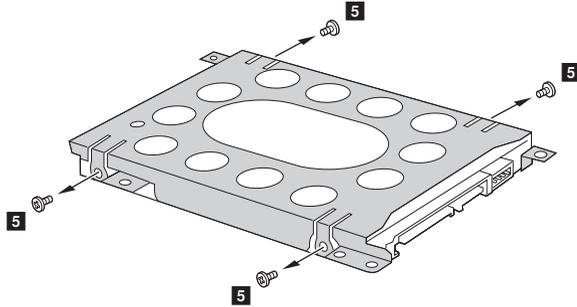


Figure 2. Removal steps of hard disk drive (continued)

Remove the hard disk drive by gently pulling it in the direction of the arrow **5**.
Take out the hard disk drive secured in a metal frame.



Step	Screw (quantity)	Color	Torque	PN
4	M3.0 × 3 mm, flat-head, nylok-coated (4)	Silver	3.0±0.3 kgfcm	90204955

When installing: Make sure that the HDD connector is attached firmly.

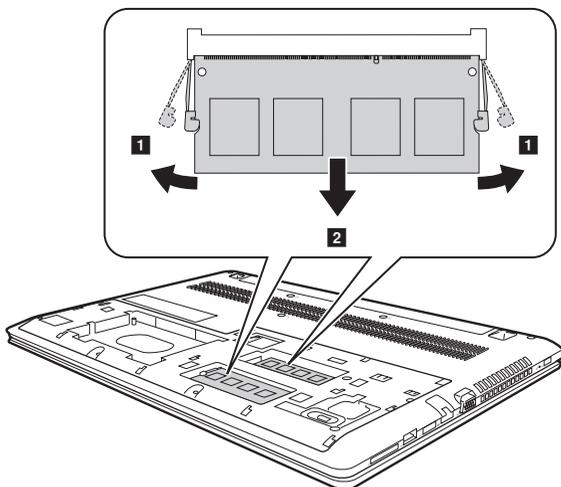
1030 DIMM

For access, remove these FRUs in order

- “1010 Hard disk drive(HDD)/Memory/Mini PCI Express Card slot compartment cover” on page 34
- “1020 Hard disk drive” on page 35

Figure 3. Removal steps of DIMM

Release the two latches on both edges of the socket at the same time in the direction shown by arrows **1**, and then unplug the DIMM in the direction shown by arrow **2**.



When installing: Insert the notched end of the DIMM into the socket. Push the DIMM firmly, and pivot it until it snaps into the place. Make sure that it is firmly fixed in the slot and difficult to be moved.

1040 PCI Express Mini Card for wireless LAN/WAN

For access, remove these FRUs in order

- “1010 Hard disk drive(HDD)/Memory/Mini PCI Express Card slot compartment cover” on page 34
- “1020 Hard disk drive” on page 35
- “1030 DIMM” on page 39

Important:

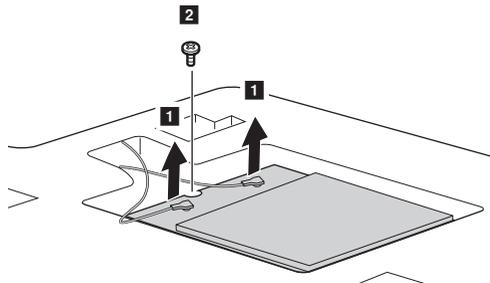
- The preinstalled WLAN module may only be replaced with a Lenovo approved module in order to comply with FCC and IC regulations. Refer to “Overall” on page 80 for Lenovo part numbers for the approved modules.

Figure 4. Removal steps of PCI Express Mini Card for wireless LAN/WAN

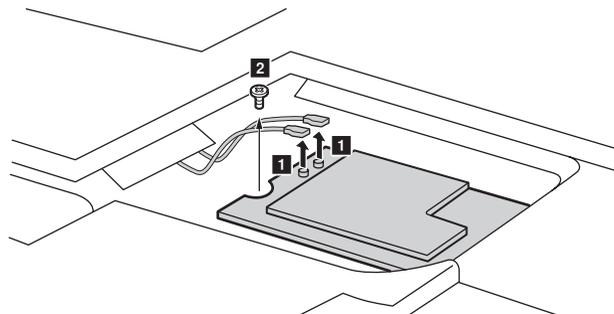
Disconnect the two wireless LAN cables (black, white) **1**, and then remove the screw **2**.

ideapad 300-15ISK:

ideapad 300-17ISK:



ideapad 300-14ISK:



In step **1**, unplug the jacks by using the removal tool antenna RF connector (P/N: 08K7159), or pick up the connectors with your fingers and gently unplug them in the direction shown by arrows.

Figure 4. Removal steps of PCI Express Mini Card for wireless LAN/WAN (continued)

Notes: wireless LAN card has 2 cables in step **1**.

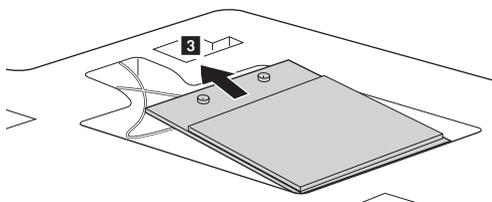
wireless LAN card in some models may have 3 cables in step **1**.

Step	Screw (quantity)	Color	Torque	PN
2	M2 × 3.0 mm, flat-head, nylok-coated (1)	Black	1.85±0.15 kgfcm	90001118

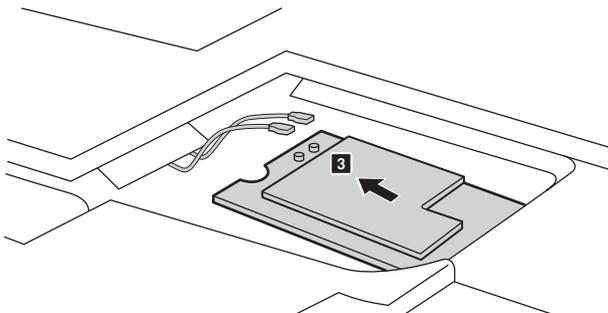
Remove the card in the direction shown by arrow **3**.

ideapad 300-15ISK:

ideapad 300-17ISK:



ideapad 300-14ISK:



When installing:

- In models with a wireless LAN card that has two antenna connectors, plug the black cable (1st) (MAIN) into the jack labeled **1**, and the white cable (2nd) (AUX) into jack labeled **2** on the card.
- In models with a wireless LAN card that has three antenna connectors, plug the black cable (1st) (MAIN) into the jack labeled **1**, the grey cable (3rd) into jack labeled **3**, and the white cable (2nd) (AUX) into jack labeled **2** on the card.

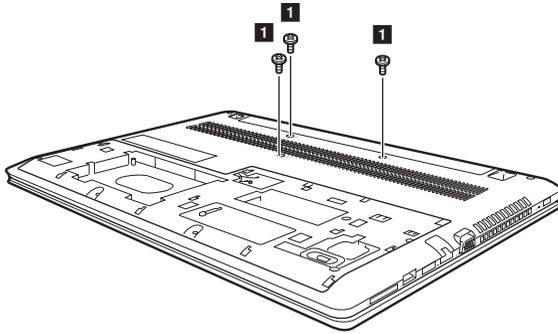
1050 Keyboard

For access, remove these FRUs in order:

- “1010 Hard disk drive(HDD)/Memory/Mini PCI Express Card slot compartment cover” on page 34
- “1020 Hard disk drive” on page 35
- “1030 DIMM” on page 39
- “1040 PCI Express Mini Card for wireless LAN/WAN” on page 40

Figure 5. Removal steps of keyboard

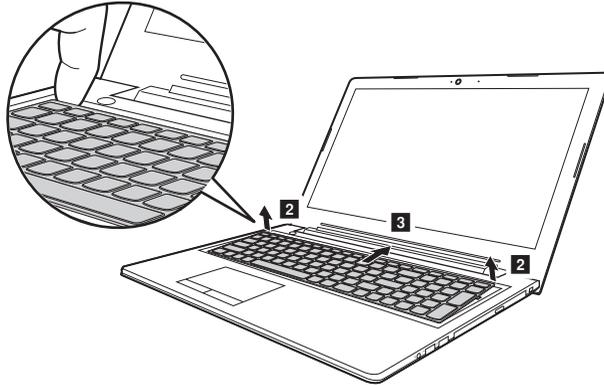
Remove the screws **1**.



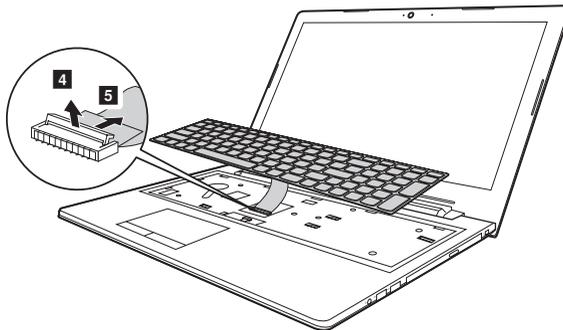
Step	Screw (quantity)	Color	Torque	PN
1	M2.0 × 6 mm, flat-head, nylok-coated (3)	Black	1.85±0.15 kgfcm	90205118

Figure 5. Removal steps of keyboard (continued)

Pull to unsnap the keyboard in the direction as shown by the arrows **2**, and then lift it up in the direction shown by arrow **3**.



Pull the keyboard connector slot cover upward as shown by arrow **4**, detach the keyboard cable from the keyboard connector in the direction shown by arrow **5**.



When installing: Make sure that the FPC connector is attached firmly.

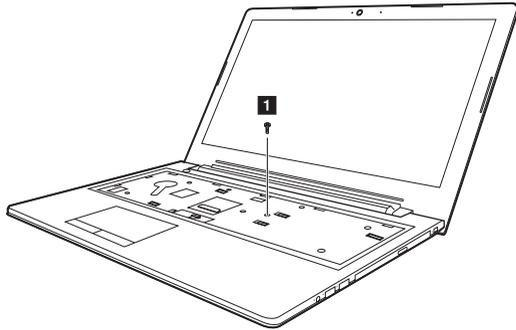
1060 Optical drive

For access, remove these FRUs in order:

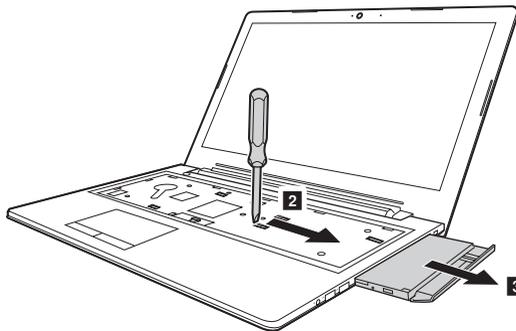
- “1010 Hard disk drive(HDD)/Memory/Mini PCI Express Card slot compartment cover” on page 34
- “1020 Hard disk drive” on page 35
- “1030 DIMM” on page 39
- “1040 PCI Express Mini Card for wireless LAN/WAN” on page 40
- “1050 Keyboard” on page 42

Figure 6. Removal steps of optical drive

Remove the screw **1**, insert a screwdriver into the screw hole and push the optical drive in the direction shown by arrow **2**. Pull the optical drive out in the direction shown by arrow **3**.



Step	Screw (quantity)	Color	Torque	PN
1	M2 × 6 mm, flat-head, nylokcoated (1)	Black	1.85+/-0.15 kgfcm	90205118



1070 Keyboard bezel

For access, remove these FRUs in order:

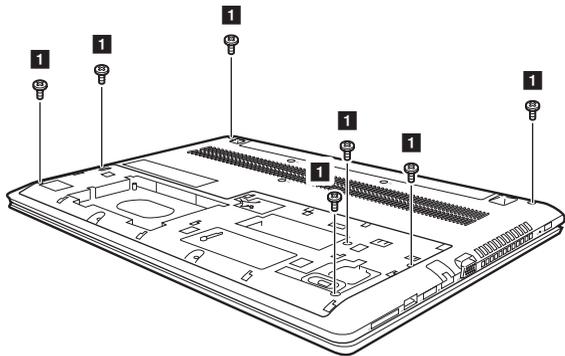
- “1010 Hard disk drive(HDD)/Memory/Mini PCI Express Card slot compartment cover” on page 34
- “1020 Hard disk drive” on page 35
- “1030 DIMM” on page 39
- “1040 PCI Express Mini Card for wireless LAN/WAN” on page 40
- “1050 Keyboard” on page 42
- “1060 Optical drive” on page 44

Figure 7. Removal steps of keyboard bezel

Remove screws **1**.

ideapad 300-15ISK:

ideapad 300-14ISK:



ideapad 300-17ISK:

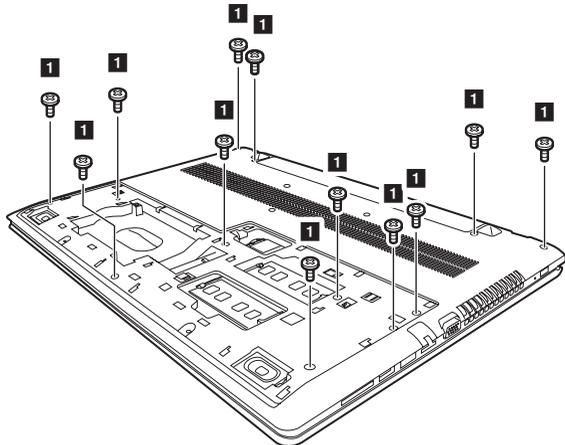
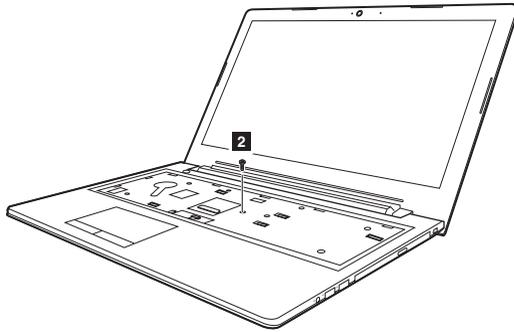


Figure 7. Removal steps of keyboard bezel (continued)

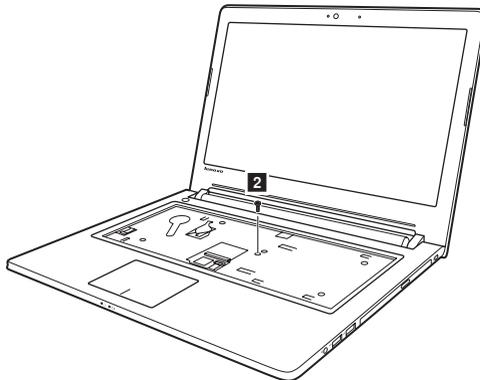
Step	Screw (quantity)	Color	Torque	PN
1	M2 x 6 mm, flat-head, nylok-coated (7) (ideapad 300-14ISK/ ideapad 300-15ISK)	Black	1.85±0.15 kgf.cm	90205118
	M2 x 6 mm, flat-head, nylok-coated (12) (ideapad 300-17ISK)	Black	1.85±0.15 kgf.cm	

Remove the screw **2** .
ideapad 300-15ISK:



Step	Screw (quantity)	Color	Torque
2	M2 x 3.5 mm, flat-head, nylok-coated (1)	Black	1.85+/-0.15 kgfcm

ideapad 300-14ISK:

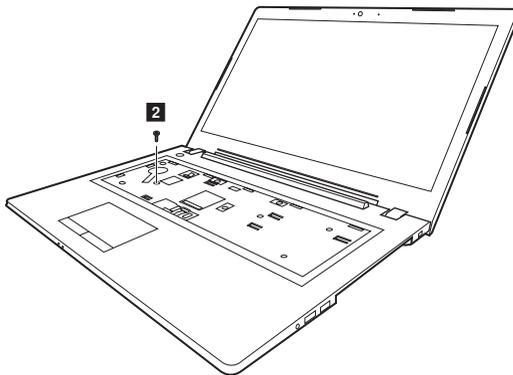


Lenovo ideapad 300-14ISK/ideapad 300-15ISK/ideapad 300-17ISK

Figure 7. Removal steps of keyboard bezel (continued)

Step	Screw (quantity)	Color	Torque	PN
2	M2 × 6 mm, flat-head, nylokcoated (1)	Black	1.85±0.15 kgfcm	90205118

ideapad 300-17ISK:



Step	Screw (quantity)	Color	Torque
2	M2 × 6 mm, flat-head, nylokcoated (1)	Black	1.85+/-0.15 kgfcm

ideapad 300-15ISK/ideapad 300-14ISK: Pull the touch pad connector and power button connector slot cover upward as shown by arrow **3**, and detach the touch pad board cable and power button cable from the touch pad board connector and power button connector in the direction shown by arrow **4**.

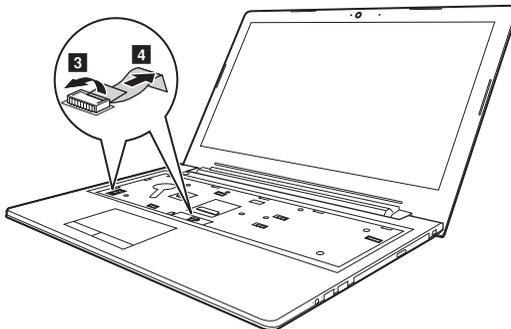
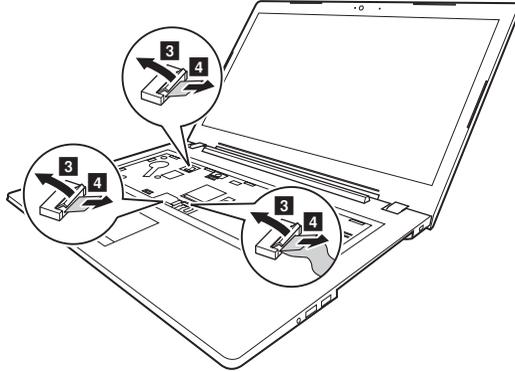
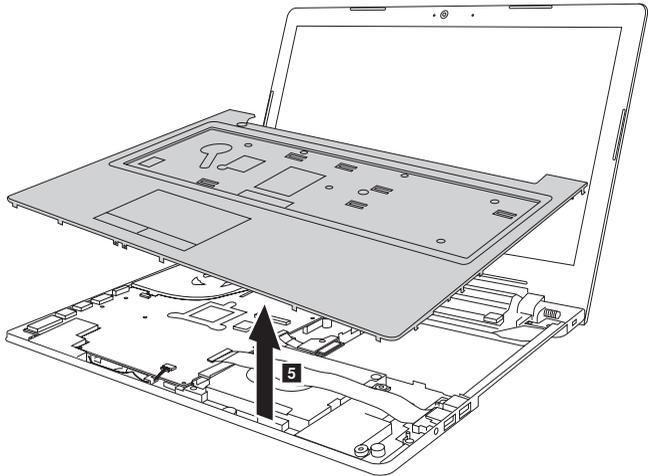


Figure 7. Removal steps of keyboard bezel (continued)

ideapad 300-17ISK: Pull the touch pad connector, LED board and power button connector slot cover upward as shown by arrow **3**, and detach the touch pad board cable, LED board cable and power button cable from the touch pad board connector, LED board connector and power button connector in the direction shown by arrow **4**.



When installing: Make sure that the FPC connectors are attached firmly. Remove the keyboard bezel in the direction shown by arrow **5**.



1080 System board

Important notices for handling the system board:

When handling the system board, bear the following in mind.

- Be careful not to drop the system board on a bench top that has a hard surface, such as metal, wood, or composite.
- Avoid rough handling of any kind.
- In the whole process, make sure not to drop or stack the system board.
- If you put a system board down, make sure to put it only on a padded surface such as an ESD mat or conductive corrugated material.

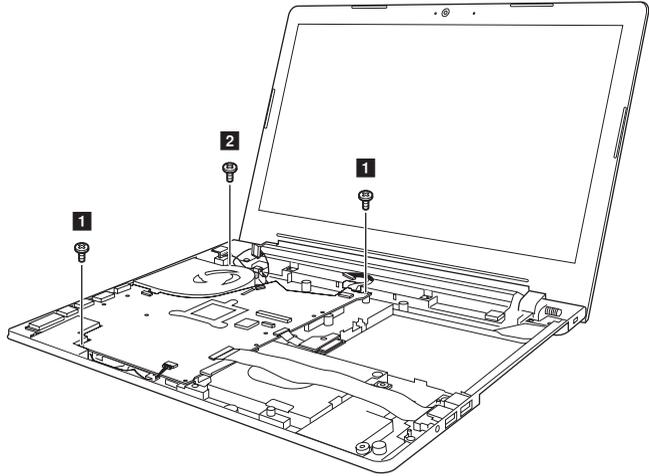
For access, remove these FRUs in order:

- “1010 Hard disk drive(HDD)/Memory/Mini PCI Express Card slot compartment cover” on page 34
- “1020 Hard disk drive” on page 35
- “1030 DIMM” on page 39
- “1040 PCI Express Mini Card for wireless LAN/WAN” on page 40
- “1050 Keyboard” on page 42
- “1060 Optical drive” on page 44
- “1070 Keyboard bezel” on page 45

Figure 8. Removal steps of system board

Remove screws **1** and screw **2**.

ideapad 300-15ISK:



ideapad 300-14ISK:

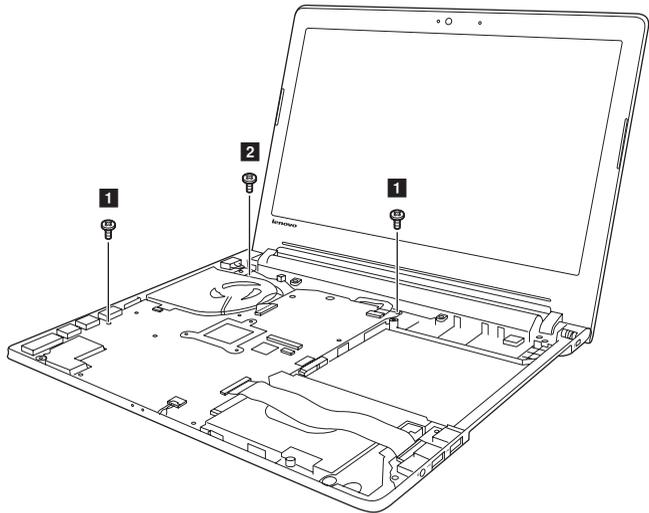
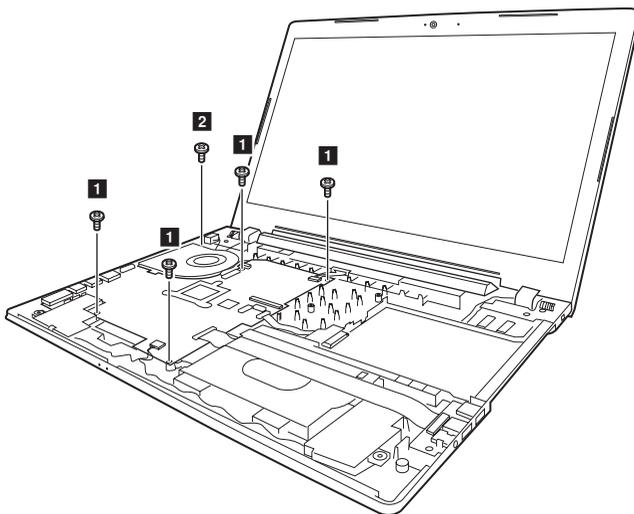


Figure 8. Removal steps of system board (continued)

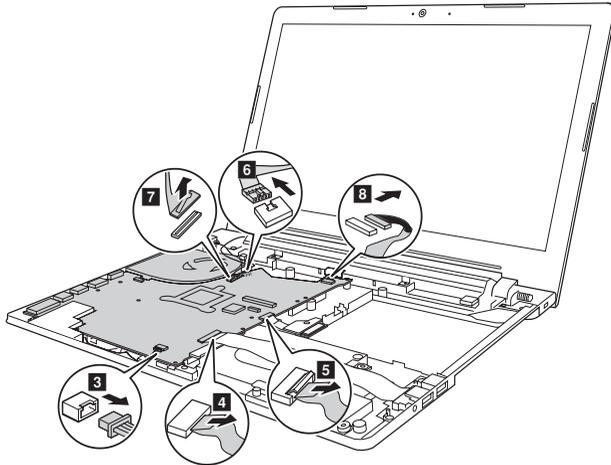
ideapad 300-17ISK:



Step	Screw (quantity)	Color	Torque	PN
1	M2 × 3 mm, flat-head, nylok-coated (2)	Black	1.85±0.15 kgfcm	
	M2 × 6 mm, flat-head, nylok-coated (1)	Black	1.85±0.15 kgfcm	
	M2 × 3 mm, flat-head, nylok-coated (4) (ideapad 300-17ISK)	Black	1.85±0.15 kgfcm	90001118
	M2 × 6 mm, flat-head, nylok-coated (1) (ideapad 300-17ISK)	Black	1.85±0.15 kgfcm	90205118

Figure 8. Removal steps of system board (continued)

ideapad 300-15ISK: Unplug speakers connector in the direction shown by arrow **3**, DC-IN cable connector in the direction shown by arrow **6**, detach ODD transfer board connector in the direction shown by arrow **5**, detach USB board connector in the direction shown by arrow **4**, disconnect battery connector in the direction shown by arrow **8**, disconnect LCD connector in the direction shown by arrow **7**.



ideapad 300-14ISK: Unplug speakers connector in the direction shown by arrow **3**, DC-IN cable connector in the direction shown by arrow **6**, detach USB board connector in the direction shown by arrow **4**, disconnect battery connector in the direction shown by arrow **8**, disconnect LCD connector in the direction shown by arrow **7**.

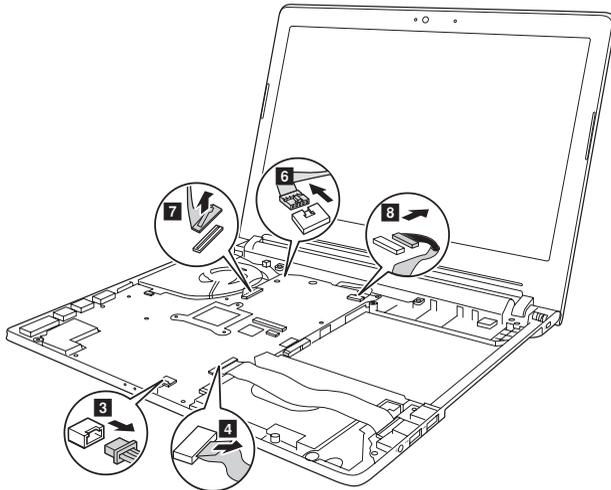
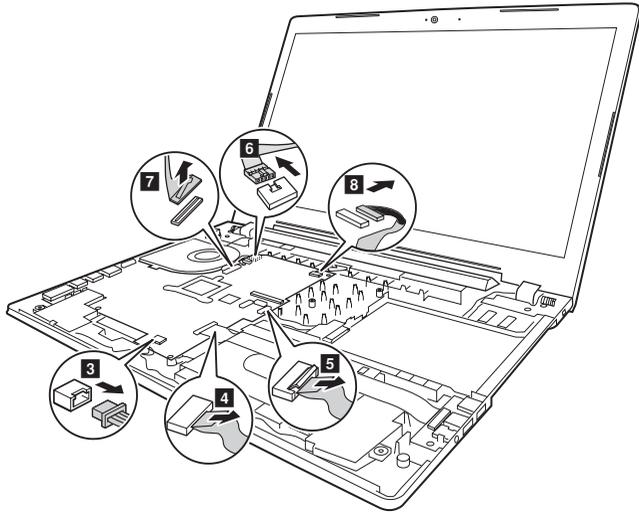


Figure 8. Removal steps of system board (continued)

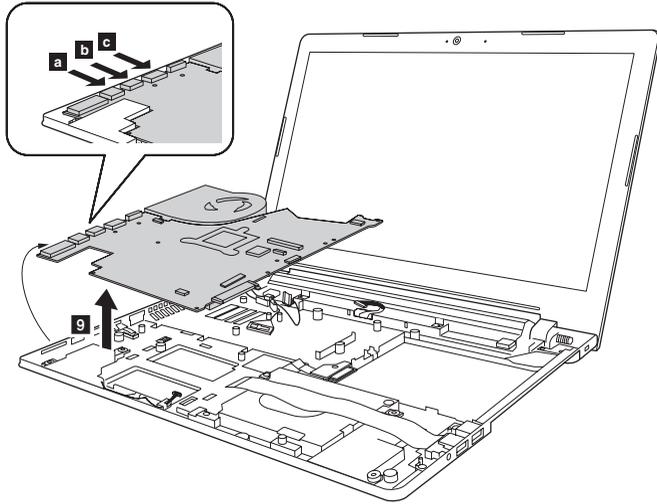
ideapad 300-17ISK: Unplug speakers connector in the direction shown by arrow **3**, DC-IN cable connector in the direction shown by arrow **6**, detach USB board connector in the direction shown by arrow **4**, ODD transfer board connector in the direction shown by arrow **5**, disconnect LCD connector in the direction shown by arrow **7**, battery connector in the direction shown by arrow **8**.



When installing: Make sure that all the connectors are attached firmly.

Figure 8. Removal steps of system board (continued)

Remove the system board in the direction shown by arrow **9**.



When installing: When attaching the system board to the base cover, adjust the placement of the USB, HDMI, RJ-45 ports as shown in **a b c**, and make sure that they are attached to the holes on the base cover as shown. Improper placement of those jacks might cause a damage.

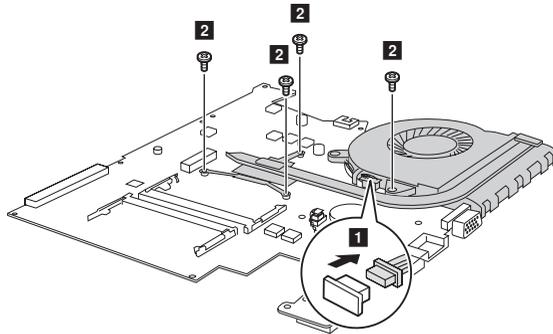
1090 Fan assembly and Heat Sink assembly

For access, remove these FRUs in order:

- “1010 Hard disk drive(HDD)/Memory/Mini PCI Express Card slot compartment cover” on page 34
- “1020 Hard disk drive” on page 35
- “1030 DIMM” on page 39
- “1040 PCI Express Mini Card for wireless LAN/WAN” on page 40
- “1050 Keyboard” on page 42
- “1060 Optical drive” on page 44
- “1070 Keyboard bezel” on page 45
- “1080 System board” on page 49

Figure 9. Removal steps of fan assembly and heat sink assembly

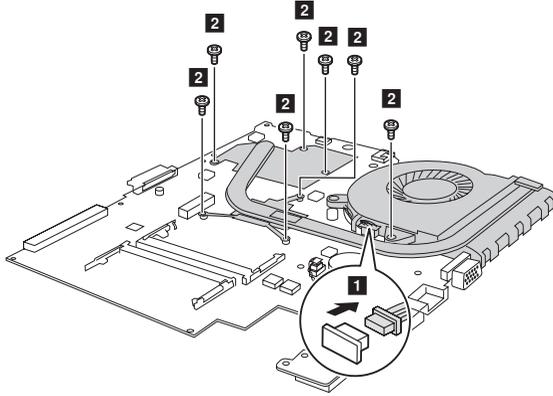
ideapad 300-15ISK: Unplug the fan connector in the direction shown by arrow **1** and loosen screws **2** to lift the fan assembly.



Step	Screw (quantity)	Color	Torque
2	M2.0 × 3 mm, flat-head, nylok-coated (3)	Black	1.85±0.15 kgfcm
	M2.0 × 3 mm, flat-head, nylok-coated (1)	Black	1.85±0.15 kgfcm

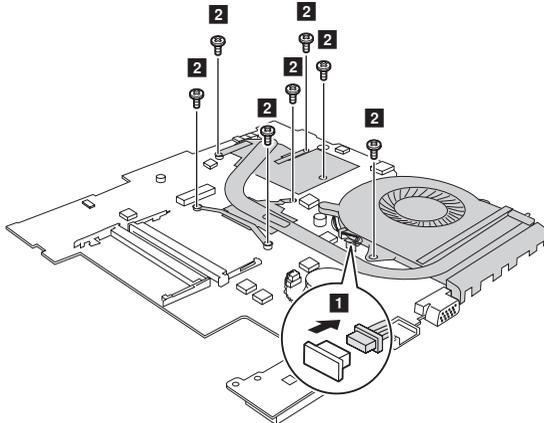
Figure 9. Removal steps of fan assembly and heat sink assembly (continued)

ideapad 300-14ISK: Unplug the fan connector in the direction shown by arrow **1** and loosen seven screws **2** to lift the fan assembly.



Step	Screw (quantity)	Color	Torque
3	M2. × 3 mm, flat-head, nylok-coated (3)	Black	1.85kg±0.15 kgfcm
	M2.0 × 6 mm, flat-head, nylok-coated (1)	Black	1.85kg±0.15 kgfcm

ideapad 300-17ISK: Unplug the fan connector in the direction shown by arrow **1** and loosen screws **2** to lift the fan assembly.



Step	Screw (quantity)	Color	Torque	PN
3	M2.0 × 3 mm, flat-head, nylok-coated (7) (ideapad 300-17ISK)	Black	1.85±0.15 kgfcm	90001118

When installing: Make sure that the fan connector is attached firmly to the system board.

1100 LCD unit

For access, remove these FRUs in order

- “1010 Hard disk drive(HDD)/Memory/Mini PCI Express Card slot compartment cover” on page 34
- “1020 Hard disk drive” on page 35
- “1030 DIMM” on page 39
- “1040 PCI Express Mini Card for wireless LAN/WAN” on page 40
- “1050 Keyboard” on page 42
- “1060 Optical drive” on page 44
- “1070 Keyboard bezel” on page 45
- “1080 System board” on page 49
- “1090 Fan assembly and Heat Sink assembly” on page 55

Figure 10. Removal steps of LCD unit

Remove the four screws **1**.

ideapad 300-15ISK:

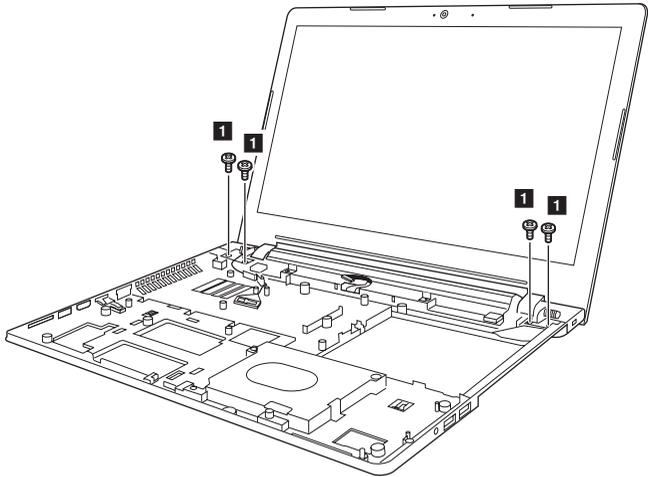
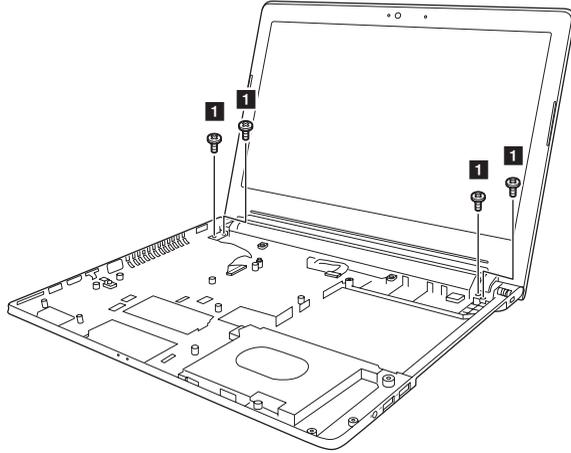


Figure 10. Removal steps of LCD unit (continued)

ideapad 300-14ISK:



ideapad 300-17ISK:

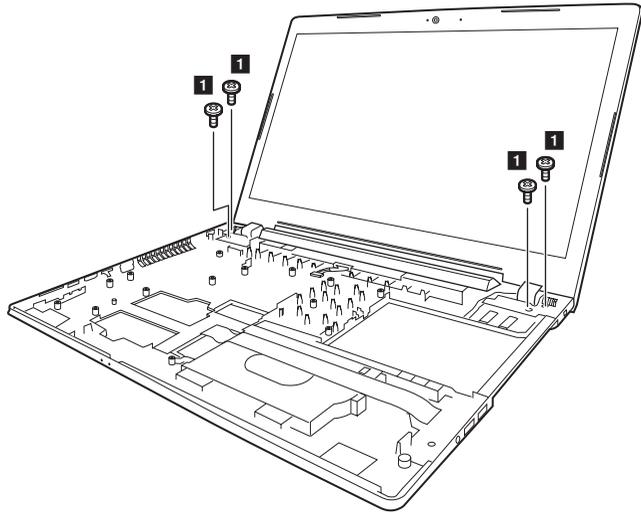
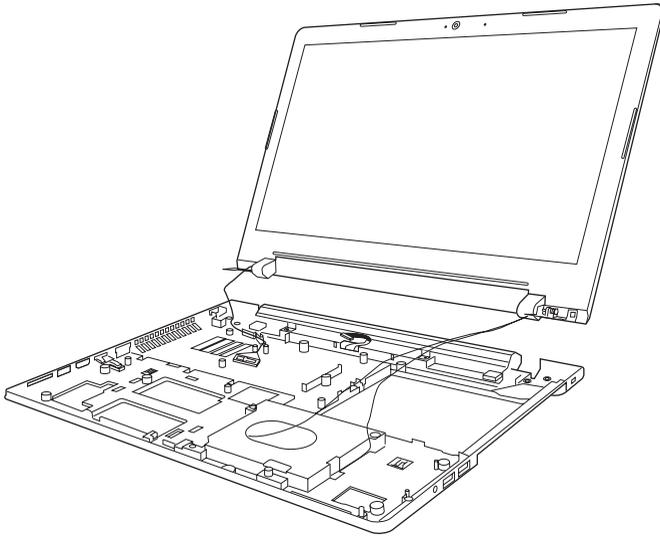


Figure 10. Removal steps of LCD unit (continued)

Step	Screw (quantity)	Color	Torque	PN
1	M2.5 × 4 mm, flat-head, nylok-coated (4) (ideapad 300-14ISK)	Black	3±0.3 kgfcm	90202001
	M2.0 × 3.5 mm, flat-head, nylok-coated (4) (ideapad 300-15ISK)	Black	1.85+/-0.15 kgfcm	
	M2.5 × 5 mm, flat-head, nylok-coated (4) (ideapad 300-17ISK)	Silver	3.0+/-0.3 kgfcm	

Detach the LCD unit from the lower case.



When installing:

- Route the antenna cables along the cable guides. As you route the cables, make sure that they are not subjected to any tension. Tension could cause the cables to be damaged by the cable guides, or a wire to be broken.
- Make sure that the LCD connector is attached firmly and make sure that you do not pinch the antenna cables when you attach the LCD assembly. Route the LCD cable along the cable guides.

1110 Battery pack

For access, remove these FRUs in order:

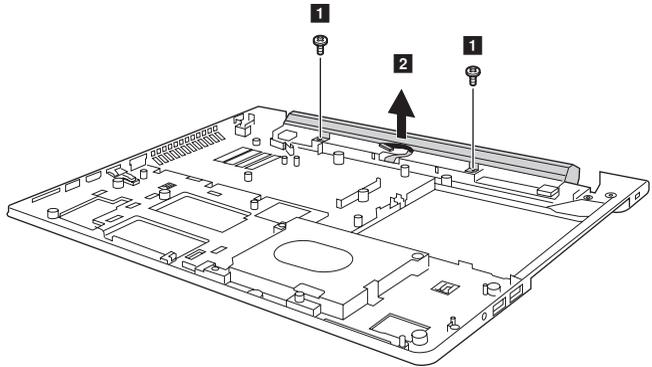
- “1010 Hard disk drive(HDD)/Memory/Mini PCI Express Card slot compartment cover” on page 34
- “1020 Hard disk drive” on page 35
- “1030 DIMM” on page 39
- “1040 PCI Express Mini Card for wireless LAN/WAN” on page 40
- “1050 Keyboard” on page 42
- “1060 Optical drive” on page 44
- “1070 Keyboard bezel” on page 45
- “1080 System board” on page 49
- “1090 Fan assembly and Heat Sink assembly” on page 55
- “1100 LCD unit” on page 57

⚠ DANGER

Only use the battery specified in the parts list for your computer. Any other battery could ignite or explode.

Figure 11. Removal steps of battery pack

Remove the screws **1**. Remove the battery pack in the direction shown by arrow **2**.



Step	Screw (quantity)	Color	Torque
1	M2 × 6 mm, flat-head, nylok-coated (2)	Black	1.85±0.15 kgfcm

1120 Speakers, base cover, IO board, DC-IN, power board and ODD transfer board

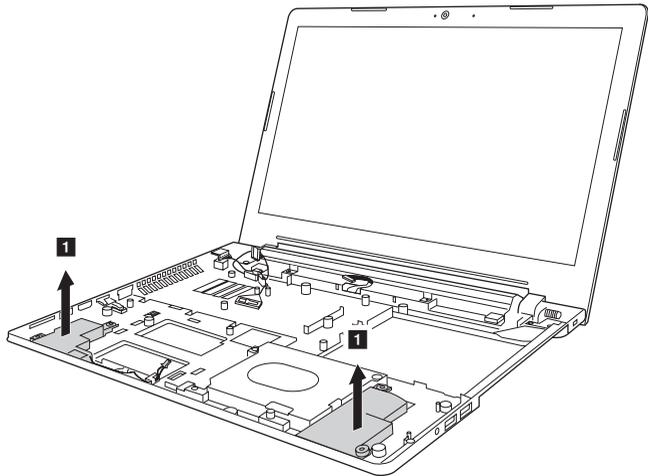
For access, remove these FRUs in order:

- “1010 Hard disk drive(HDD)/Memory/Mini PCI Express Card slot compartment cover” on page 34
- “1020 Hard disk drive” on page 35
- “1030 DIMM” on page 39
- “1040 PCI Express Mini Card for wireless LAN/WAN” on page 40
- “1050 Keyboard” on page 42
- “1060 Optical drive” on page 44
- “1070 Keyboard bezel” on page 45
- “1080 System board” on page 49
- “1090 Fan assembly and Heat Sink assembly” on page 55
- “1100 LCD unit” on page 57
- “1110 Battery pack” on page 60

Figure 12. Speakers, base cover, IO board, DC-IN, power board and ODD transfer board

Remove the speakers in the direction shown by arrows **1**.

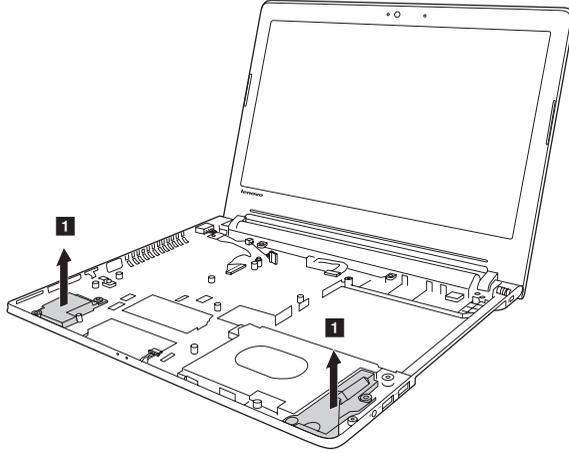
ideapad 300-15ISK:



// *Lenovo ideapad 300-14ISK/ideapad 300-15ISK/ideapad 300-17ISK*
Hardware Maintenance Manual

Figure 12. Speakers, base cover, IO board, DC-IN, power board and ODD transfer board
(continued)

ideapad 300-14ISK:



ideapad 300-17ISK:

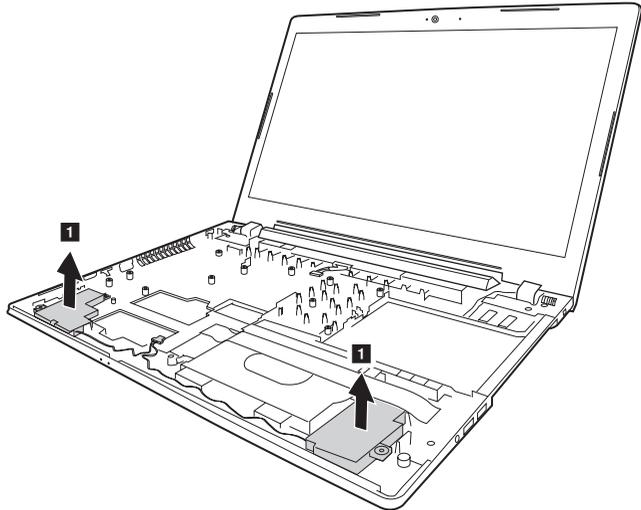
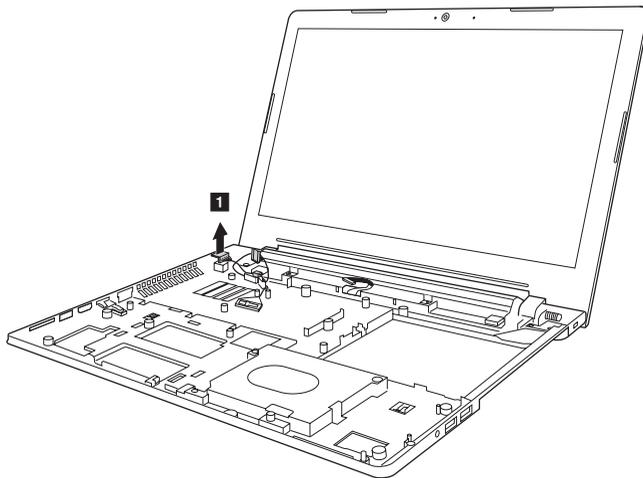


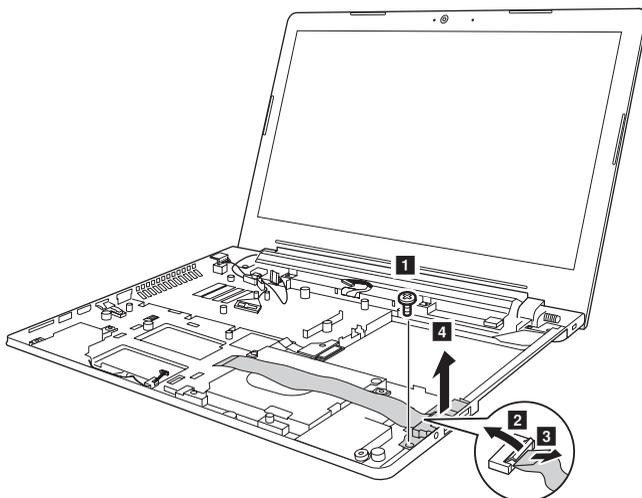
Figure 12. Speakers, base cover, IO board, DC-IN, power board and ODD transfer board (continued)

Remove the DC-IN in the direction shown by arrow **1**.



When installing: Make sure that the power connector is attached firmly.

ideapad 300-15ISK/ideapad 300-17ISK: Remove the screw **1**. Pull the IO board connector slot cover upward as shown by arrow **2**, detach the IO board cable from the keyboard connector in the direction shown by arrow **3**. Remove the IO board in the direction shown by arrow **4**.

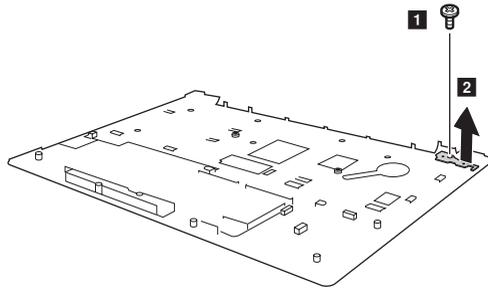


// Lenovo ideapad 300-14ISK/ideapad 300-15ISK/ideapad 300-17ISK Hardware Maintenance Manual

Figure 12. Speakers, base cover, IO board, DC-IN, power board and ODD transfer board (continued)

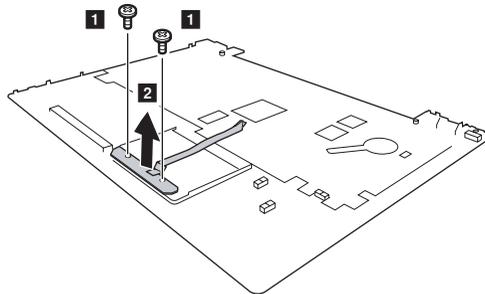
Step	Screw (quantity)	Color	Torque	PN
1	M2.0 × 3 mm, flat-head, nylok-coated (1)	Black	1.85+/-0.15 kgfcm	90001118

Remove the screw **1**, lift the power board in the direction shown by arrow **2**.



Step	Screw (quantity)	Color	Torque	PN
1	M2.0 × 3 mm, flat-head, nylok-coated (1)	Black	1.85+/-0.15 kgfcm	90001118

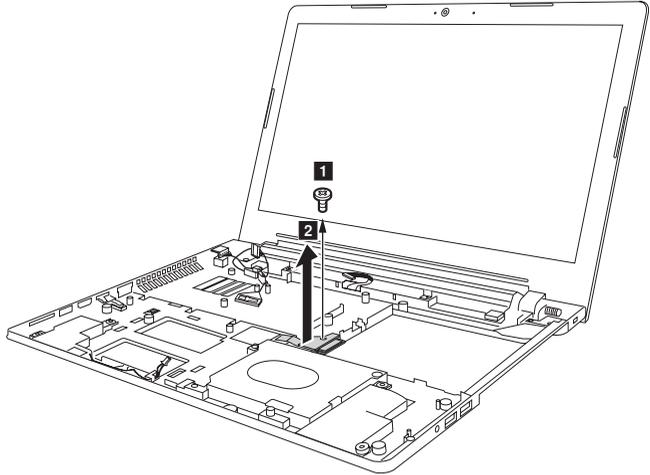
Remove screws **1**, lift the LED board in the direction shown by arrow **2**.



Step	Screw (quantity)	Color	Torque	PN
2	M2.0 × 3 mm, flat-head, nylok-coated (2)	Black	1.85+/-0.15 kgfcm	90001118

Figure 12. Speakers, base cover, IO board, DC-IN, power board and ODD transfer board (continued)

Remove the screw **1** to lift the ODD transfer board in the direction shown by arrow **2**.



Step	Screw (quantity)	Color	Torque	PN
1	M2.0 × 3 mm, flat-head, nylok-coated (1)	Black	1.85+/-0.15 kgfcm	90001118

Applying labels to the base cover

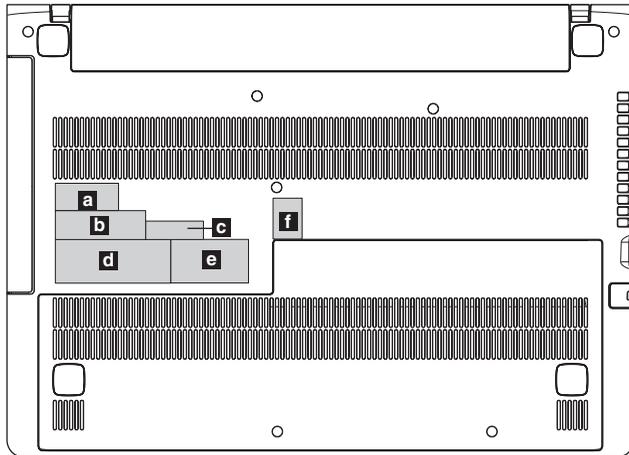
The new base cover FRU is shipped with a kit containing labels of several kinds. Apply those labels when you replace the base cover. For labels which are not shipped with the new base cover, peel them from the replaced base cover and adhere them to the new one.

Note: If the Certificate of Authenticity (COA) label (b) is attached to a replaced part, return the replaced part to the customer, or provide a letter to the customer stating the original label part number, serial number, and product key.

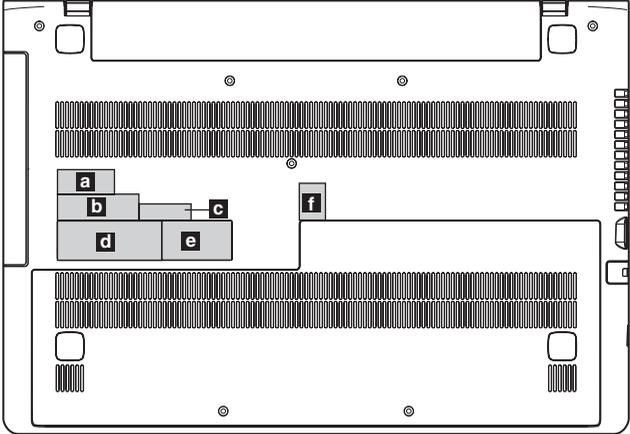
The following letter shows the correct location of each label. Not all labels are attached on the part you are servicing.

- a** WL/BT Label
- b** KCC Label or BIS Label
- c** Indonesia label
- d** Rating label (66 × 24 mm)
- e** Rating label for print (43 × 24 mm)
- f** OS label

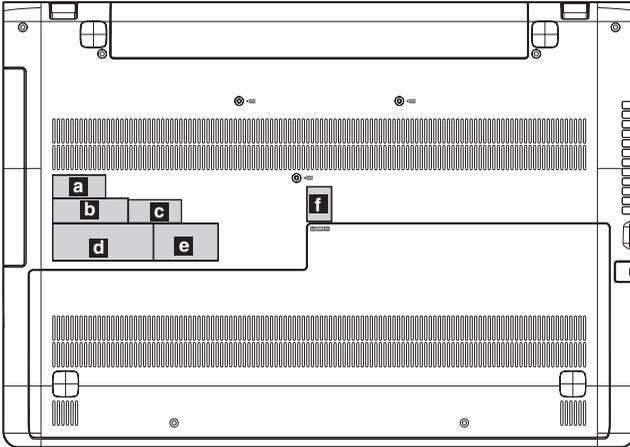
ideapad 300-14ISK:



ideapad 300-15ISK:



ideapad 300-17ISK:



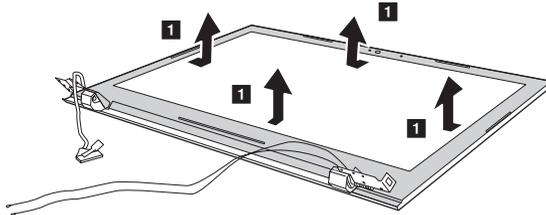
1130 LCD front bezel

For access, remove these FRUs in order:

- “1010 Hard disk drive(HDD)/Memory/Mini PCI Express Card slot compartment cover” on page 34
- “1020 Hard disk drive” on page 35
- “1030 DIMM” on page 39
- “1040 PCI Express Mini Card for wireless LAN/WAN” on page 40
- “1050 Keyboard” on page 42
- “1060 Optical drive” on page 44
- “1070 Keyboard bezel” on page 45
- “1080 System board” on page 49
- “1090 Fan assembly and Heat Sink assembly” on page 55
- “1100 LCD unit” on page 57
- “1110 Battery pack” on page 60
- “1120 Speakers, base cover, IO board, DC-IN, power board and ODD transfer board” on page 61

Figure 13. Removal steps of LCD front bezel

Remove the LCD front bezel in the direction by arrows **1**.



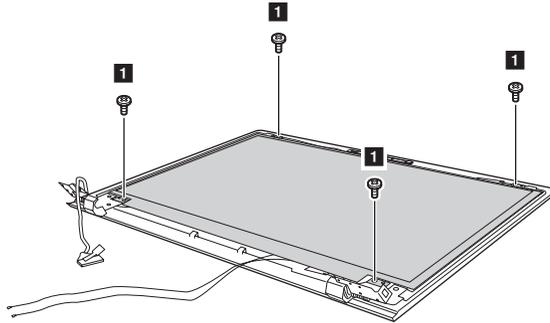
1140 LCD panel and LCD cable

For access, remove these FRUs in order:

- “1010 Hard disk drive(HDD)/Memory/Mini PCI Express Card slot compartment cover” on page 34
- “1020 Hard disk drive” on page 35
- “1030 DIMM” on page 39
- “1040 PCI Express Mini Card for wireless LAN/WAN” on page 40
- “1050 Keyboard” on page 42
- “1060 Optical drive” on page 44
- “1070 Keyboard bezel” on page 45
- “1080 System board” on page 49
- “1090 Fan assembly and Heat Sink assembly” on page 55
- “1100 LCD unit” on page 57
- “1110 Battery pack” on page 60
- “1120 Speakers, base cover, IO board, DC-IN, power board and ODD transfer board” on page 61
- “1130 LCD front bezel” on page 68

Figure 14. LCD panel and LCD cable

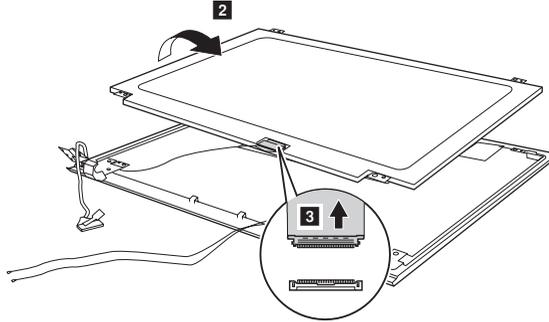
Remove four screws **1**.



Step	Screw (quantity)	Color	Torque	PN
1	M2.0 × 3 mm, flat-head, nylok-coated (4) (ideapad 300-14ISK)	Black	1.85±0.15 kgfcm	
	M2.5 × 4 mm, flat-head, nylok-coated (4) (ideapad 300-15ISK)	Black	3.0 +/-0.3 kgfcm	
	M2.0 × 4 mm, flat-head, nylok-coated (4) (ideapad 300-17ISK)	Black	1.85 +/-0.15 kgfcm	5S10K61879

Figure 14. LCD panel and LCD cable (continued)

Turn over the LCD module in the direction as shown by arrow **2**. Disconnect the connector by arrow **3** to remove the LCD panel.



When installing: Make sure that the LCD panel connector is attached firmly.

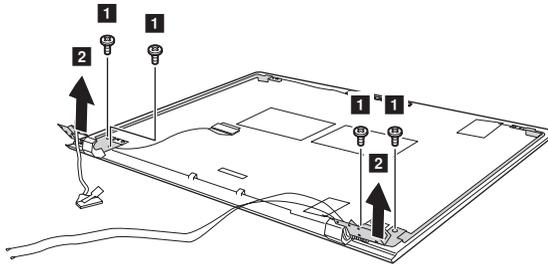
1150 LCD hinges

For access, remove these FRUs in order:

- “1010 Hard disk drive(HDD)/Memory/Mini PCI Express Card slot compartment cover” on page 34
- “1020 Hard disk drive” on page 35
- “1030 DIMM” on page 39
- “1040 PCI Express Mini Card for wireless LAN/WAN” on page 40
- “1050 Keyboard” on page 42
- “1060 Optical drive” on page 44
- “1070 Keyboard bezel” on page 45
- “1080 System board” on page 49
- “1090 Fan assembly and Heat Sink assembly” on page 55
- “1100 LCD unit” on page 57
- “1110 Battery pack” on page 60
- “1120 Speakers, base cover, IO board, DC-IN, power board and ODD transfer board” on page 61
- “1130 LCD front bezel” on page 68
- “1140 LCD panel and LCD cable” on page 69

Figure 15. Removal steps of hinges

Remove screws **1**. Remove the hinges in the direction shown by arrows **2**.
ideapad 300-15ISK:



ideapad 300-14ISK:

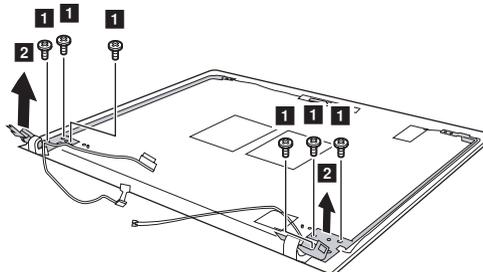
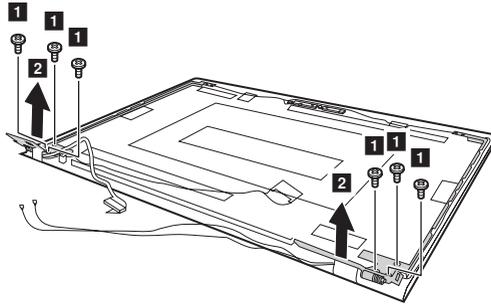


Figure 15. Removal steps of hinges (continued)

ideapad 300-17ISK:



Step	Screw (quantity)	Color	Torque	PN
1	M2.5 × 3.5 mm, flat-head, nylok-coated (6) (ideapad 300-14ISK)	Silver	3 ± 0.3 kgfcm	
	M2.5 × 3.5 mm, flat-head, nylok-coated (4) (ideapad 300-15ISK)	Silver	3 ± 0.3 kgfcm	
	M2.5 × 4 mm, flat-head, nylok-coated (6) (ideapad 300-17ISK)	Black	3.0±0.3 kgfcm	5S10K61904

1160 Integrated camera

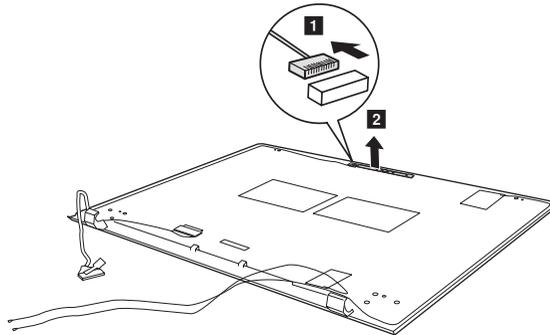
For access, remove these FRUs in order:

- “1010 Hard disk drive(HDD)/Memory/Mini PCI Express Card slot compartment cover” on page 34
- “1020 Hard disk drive” on page 35
- “1030 DIMM” on page 39
- “1040 PCI Express Mini Card for wireless LAN/WAN” on page 40
- “1050 Keyboard” on page 42
- “1060 Optical drive” on page 44
- “1070 Keyboard bezel” on page 45
- “1080 System board” on page 49
- “1090 Fan assembly and Heat Sink assembly” on page 55
- “1100 LCD unit” on page 57
- “1110 Battery pack” on page 60
- “1120 Speakers, base cover, IO board, DC-IN, power board and ODD transfer board” on page 61
- “1130 LCD front bezel” on page 68
- “1140 LCD panel and LCD cable” on page 69
- “1150 LCD hinges” on page 71

Figure 16. Removal steps of integrated camera

Note: The integrated camera is stuck on the top center of the LCD cover.

Unplug the connector in the direction shown by arrow **1**, remove the integrated camera from the LCD cover in the direction shown by arrow **2**.



When installing: Stick the integrated camera to the top center of the LCD cover and adjust the placement of it to make sure the connector is attached firmly.

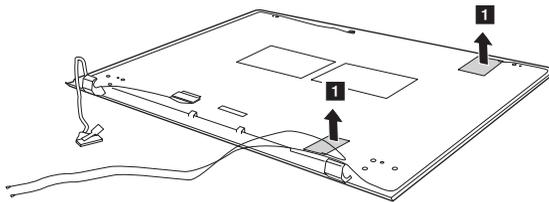
1170 Antenna assembly and LCD cover

For access, remove these FRUs in order:

- “1010 Hard disk drive(HDD)/Memory/Mini PCI Express Card slot compartment cover” on page 34
- “1020 Hard disk drive” on page 35
- “1030 DIMM” on page 39
- “1040 PCI Express Mini Card for wireless LAN/WAN” on page 40
- “1050 Keyboard” on page 42
- “1060 Optical drive” on page 44
- “1070 Keyboard bezel” on page 45
- “1080 System board” on page 49
- “1090 Fan assembly and Heat Sink assembly” on page 55
- “1100 LCD unit” on page 57
- “1110 Battery pack” on page 60
- “1120 Speakers, base cover, IO board, DC-IN, power board and ODD transfer board” on page 61
- “1130 LCD front bezel” on page 68
- “1140 LCD panel and LCD cable” on page 69
- “1150 LCD hinges” on page 71
- “1160 Integrated camera” on page 73

Figure 17. Removal steps of antenna assembly and LCD cover

Peel off the adhesive tapes securing the antenna boards, release the cables from the cable guide, and then remove the antenna assembly in the direction shown by arrows **1**.



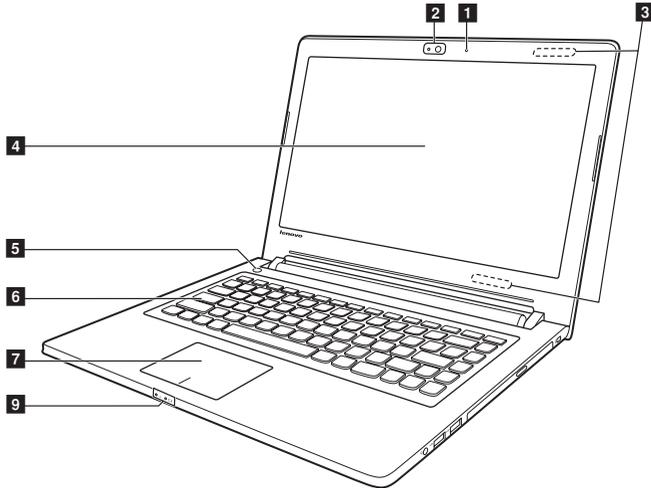
When installing: Route the antenna cables along the cable guides and secure the antenna boards with adhesive tapes. As you route the cables, make sure that they are not subjected to any tension. Tension could cause the cables to be damaged by the cable guides, or a wire to be broken.

Locations

Front view

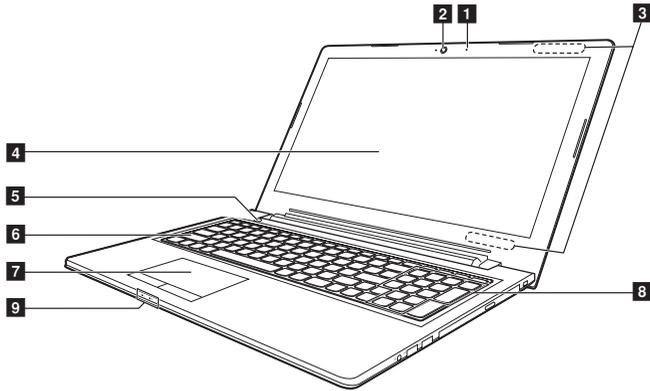
- 1 Built-in microphone
- 2 Integrated camera
- 3 Wireless LAN antennas
- 4 Computer display
- 5 Power button
- 6 Caps lock indicator
- 7 Touch pad
- 8 Numeric keypad (ideapad 300-15ISK/ideapad 300-17ISK)
- 9 System status indicators

ideapad 300-14ISK:



// *Lenovo ideapad 300-14ISK/ideapad 300-15ISK/ideapad 300-17ISK*
Hardware Maintenance Manual

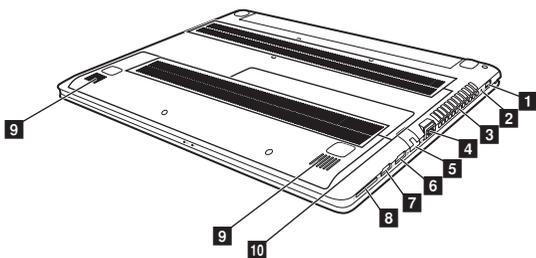
ideapad 300-15ISK:
ideapad 300-17ISK:



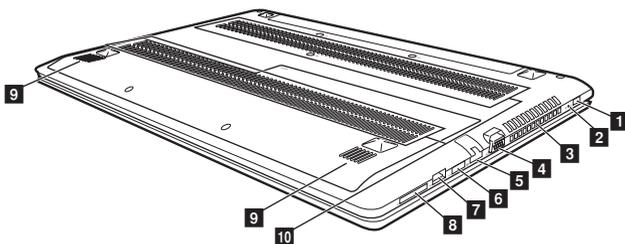
Bottom and Left-side view

- 1 AC power adapter jack
- 2 Novo button
- 3 Ventilation slots
- 4 VGA port
- 5 RJ-45 port
- 6 HDMI port
- 7 USB 3.0 port
- 8 Memory card slot
- 9 Speakers
- 10 Louvers

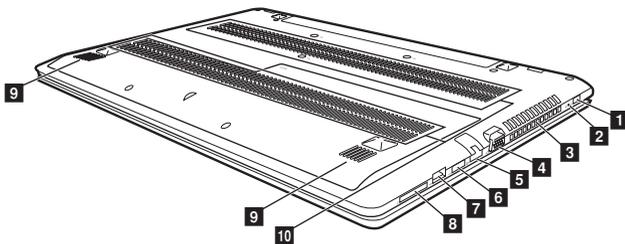
ideapad 300-14ISK



ideapad 300-15ISK

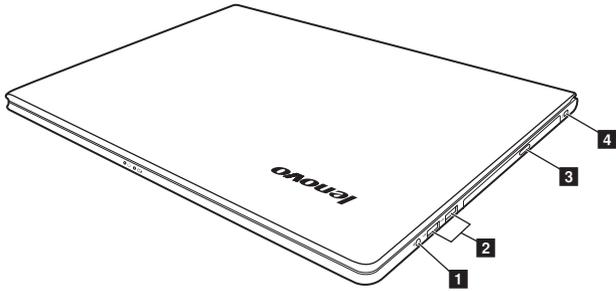


ideapad 300-17ISK



Right-side view

- 1** Combo audio jack
- 2** USB 2.0 ports
- 3** Optical drive
- 4** Kensington slot



Parts list

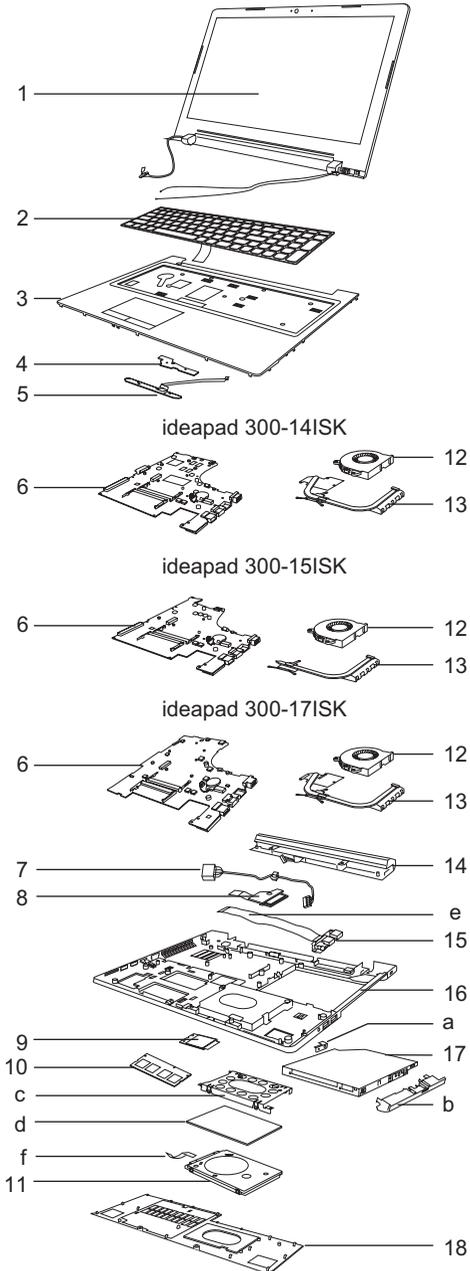
This section presents the following service parts:

- “Overall” on page 80
- “LCD FRUs” on page 89
- “Keyboard” on page 93
- “Miscellaneous parts” on page 108
- “AC adapters” on page 110
- “Power cords” on page 114

Notes:

- Each FRU is available for all types or models, unless specific types or models are specified.

Overall



Lenovo ideapad 300-14ISK/ideapad 300-15ISK/ideapad 300-17ISK

Table 4. Parts list—Overall

No.	FRU	FRU no.	CRU ID	ideapad 300-14ISK	ideapad 300-15ISK	ideapad 300-17ISK
1	LCD unit (see “LCD FRUs” on page 89.)					
2	Keyboard (see “Keyboard” on page 93.)					
3	Upper Cover L300ISK14SILVER	5CB0K40641	N	●		
3	Upper Cover L300ISK15SILVER	5CB0K40643	N		●	
3	LOGIC UPPER L 300-14IBR	5CB0K14009	N	●		
3	Upper Cover L300ISK14 SILVER	5CB0K40641	N	●		
3	Upper Cover L 300-15IBR	5CB0K14046	N		●	
3	Upper Cover ASSY L80QH	5CB0K61893	N			●
4	POWER BOARD L80QH	5C50K61870	N			●
4	PWR BOARD L30014ISK W/FFC	5C50K38177	N	●		
4	PWR BOARD L30015ISK W/FFC	5C50K38215	N		●	
5	LED BOARD L80QH	5C50K61866	N			●
6	MB L30014ISKWINI7-6500U UMARTC	5B20K38226	N	●		
6	MB L30014ISKWINI7-6500U V2GRTC	5B20K38199	N	●		
6	MB L30014ISKWIN7I5-6200U UMARTC	5B20K38203	N	●		
6	MB L30014ISKWINI5-6200U V2GRTC	5B20K38202	N	●		
6	MB L30014ISKWINI3-6100U UMARTC	5B20K38201	N	●		
6	MB L30014ISKWINI3-6100U V2GRTC	5B20K38204	N	●		
6	MB L30014ISKWIN4405U UMARTC	5B20K38198	N	●		
6	MB L30014ISKWIN4405U V2GRTC	5B20K38194	N	●		
6	MB L30014ISKWIN3855U UMARTC	5B20K38189	N	●		
6	MB L30014ISKWIN3855U V2GRTC	5B20K38186	N	●		
6	MB L30014ISKNOKI7-6500U UMARTC	5B20K38187	N	●		
6	MB L30014ISKNOKI7-6500U V2GRTC	5B20K38188	N	●		
6	MB L30014ISKNOKI5-6200U UMARTC	5B20K38190	N	●		

Lenovo ideapad 300-14ISK/ideapad 300-15ISK/ideapad 300-17ISK Hardware Maintenance Manual

Table 4. Parts list—Overall (continued)

No.	FRU	FRU no.	CRU ID	ideapad 300-14ISK	ideapad 300-15ISK	ideapad 300-17ISK
6	MB L30014ISKNOKI5-6200U V2GRTC	5B20K38207	N	●		
6	MB L30014ISKNOKI3-6100U UMARTC	5B20K38206	N	●		
6	MB L30014ISKNOKI3-6100U V2GRTC	5B20K38205	N	●		
6	MB L30014ISKNOK4405U UMARTC	5B20K38200	N	●		
6	MB L30014ISKNOK4405U V2GRTC	5B20K38195	N	●		
6	MB L30014ISKNOK3855U UMARTC	5B20K38191	N	●		
6	MB L30014ISKNOK3855U V2GRTC	5B20K38178	N	●		
6	MB L30015ISKWINI7-6500U UMARTC	5B20K38182	N		●	
6	MB L30015ISKWINI7-6500U V2GRTC	5B20K38181	N		●	
6	MB L30015ISKWINI7-6500U V1GRTC	5B20K38180	N		●	
6	MB L30015ISKWINI5-6200U UMARTC	5B20K38179	N		●	
6	MB L30015ISKWINI5-6200U V2GRTC	5B20K38185	N		●	
6	MB L30015ISKWINI5-6200U V1GRTC	5B20K38212	N		●	
6	MB L30015ISKWINI3-6100U UMARTC	5B20K38213	N		●	
6	MB L30015ISKWINI3-6100U V2GRTC	5B20K38231	N		●	
6	MB L30015ISKWINI3-6100U V1GRTC	5B20K38232	N		●	
6	MB L30015ISKWIN4405U UMARTC	5B20K38227	N		●	
6	MB L30015ISKWIN4405U V2GRTC	5B20K38224	N		●	
6	MB L30015ISKWIN4405U V1GRTC	5B20K38220	N		●	
6	MB L30015ISKWIN3855U UMARTC	5B20K38217	N		●	
6	MB L30015ISKWIN3855U V2GRTC	5B20K38214	N		●	
6	MB L30015ISKWIN3855U V1GRTC	5B20K38209	N		●	
6	MB L30015ISKNOKI7-6500U UMARTC	5B20K38210	N		●	

Lenovo ideapad 300-14ISK/ideapad 300-15ISK/ideapad 300-17ISK

Table 4. Parts list—Overall (continued)

No.	FRU	FRU no.	CRU ID	ideapad 300-14ISK	ideapad 300-15ISK	ideapad 300-17ISK
6	MB L30015ISKNOKI7-6500U V2GRTC	5B20K38211	N		●	
6	MB L30015ISKNOKI7-6500U V1GRTC	5B20K38218	N		●	
6	MB L30015ISKNOKI5-6200U UMARTC	5B20K38219	N		●	
6	MB L30015ISKNOKI5-6200U V2GRTC	5B20K38221	N		●	
6	MB L30015ISKNOKI5-6200U V1GRTC	5B20K38222	N		●	
6	MB L30015ISKNOKI3-6100U UMARTC	5B20K38223	N		●	
6	MB L30015ISKNOKI3-6100U V2GRTC	5B20K38192	N		●	
6	MB L30015ISKNOKI3-6100U V1GRTC	5B20K38193	N		●	
6	MB L30015ISKNOK4405U UMARTC	5B20K38183	N		●	
6	MB L30015ISKNOK4405U V2GRTC	5B20K38176	N		●	
6	MB L30015ISKNOK4405U V1GRTC	5B20K38233	N		●	
6	MB L30015ISKNOK3855U UMARTC	5B20K38229	N		●	
6	MB L30015ISKNOK3855U V2GRTC	5B20K38225	N		●	
6	MB L30015ISKNOK3855U V1GRTC	5B20K38197	N		●	
6	MB L80QH3855UV1GWIN	5B20K61873	N			●
6	MB L80QH3855UV2GWIN	5B20K61905	N			●
6	MB L80QH3855UUMAWIN	5B20K61875	N			●
6	MB L80QH4405UV1GWIN	5B20K61897	N			●
6	MB L80QH4405UV2GWIN	5B20K61881	N			●
6	MB L80QH4405UUMAWIN	5B20K61886	N			●
6	MB L80QHI3-6100UV1GWIN	5B20K61895	N			●
6	MB L80QHI3-6100UV2GWIN	5B20K61878	N			●
6	MB L80QHI3-6100UUMAWIN	5B20K61880	N			●
6	MB L80QHI5-6200UV1GWIN	5B20K61906	N			●
6	MB L80QHI5-6200UV2GWIN	5B20K61884	N			●

Lenovo ideapad 300-14ISK/ideapad 300-15ISK/ideapad 300-17ISK Hardware Maintenance Manual

Table 4. Parts list—Overall (continued)

No.	FRU	FRU no.	CRU ID	ideapad 300-14ISK	ideapad 300-15ISK	ideapad 300-17ISK
6	MB L80QHI5-6200UUMAWIN	5B20K61885	N			●
6	MB L80QHI7-6500UV1GWIN	5B20K61868	N			●
6	MB L80QHI7-6500UV2GWIN	5B20K61872	N			●
6	MB L80QHI7-6500UUMAWIN	5B20K61902	N			●
6	MB L80QH3855UV1GNOK	5B20K61871	N			●
6	MB L80QH3855UV2GNOK	5B20K61864	N			●
6	MB L80QH3855UUMANOK	5B20K61908	N			●
6	MB L80QH4405UV1GNOK	5B20K61898	N			●
6	MB L80QH4405UV2GNOK	5B20K61899	N			●
6	MB L80QH4405UUMANOK	5B20K61888	N			●
6	MB L80QHI3-6100UV1GNOK	5B20K61882	N			●
6	MB L80QHI3-6100UV2GNOK	5B20K61903	N			●
6	MB L80QHI3-6100UUMANOK	5B20K61891	N			●
6	MB L80QHI5-6200UV1GNOK	5B20K61892	N			●
6	MB L80QHI5-6200UV2GNOK	5B20K61869	N			●
6	MB L80QHI5-6200UUMANOK	5B20K61877	N			●
6	MB L80QHI7-6500UV1GNOK	5B20K61887	N			●
6	MB L80QHI7-6500UV2GNOK	5B20K61901	N			●
6	MB L80QHI7-6500UUMANOK	5B20K61889	N			●
7	ACLU1 DC-IN Cable DIS	90205112	N	●	●	●
8	ODD BOARD L80QH	5C50K61896	N			●
8	ODD BOARD L30015ISK W/FFC	5C50K38208	N		●	
9	WirelessLan_Non_Intel, 1x1AC+BT4.0, Cbt BCM43162 1x1AC+BT4.0 PCIE M.2 WLAN V2	SW10A11586	*	●	●	●
9	WirelessLan_Non_Intel, 1x1AC+BT4.0, Ltn NFA435 1x1AC+BT4.0 PCIE M.2 WLAN	SW10A11641	*	●	●	●

Lenovo ideapad 300-14ISK/ideapad 300-15ISK/ideapad 300-17ISK

Table 4. Parts list—Overall (continued)

No.	FRU	FRU no.	CRU ID	ideapad 300-14ISK	ideapad 300-15ISK	ideapad 300-17ISK
9	WirelessLan_Non_Intel, 1x1AC+BT4.0, Cbt RTL8821AE 1x1AC+BT4.0 PCIE M.2 WLAN	SW10A11648	*	●	●	●
9	WirelessLan_Intel, Intel 1x1AC+BT4.0, Intel 3165 1x1AC+BT PCIE M.2 WLAN	SW10H24486	*	●	●	●
10	Memory, DDR3L 1600 2GB, 2GB D3L S M471B5674EB0-YK0	5M30K59779	*	●	●	
10	Memory, DDR3L 1600 4GB, M471B5173EB0-YK0 4GB DDR3L 1600 (can for 4+2)	5M30G18425	*	●	●	
10	Memory, DDR3L 1600 2GB, 2GB D3L S RMT3190MN76F8F-1600	5M30J33428	*	●	●	
10	Memory, DDR3L 1600 4GB, RMT3170MN68F9F-1600 4GB DDR3L 1600 (can for 4+2)	5M30G75129	*	●	●	
10	Memory, DDR3L 1600 4GB, M471B5173EB0-YK0 4GB DDR3L 1600	5M30G18425	*	●	●	
10	Memory, DDR3L 1600 4GB, HMT451S6BFR8A-PB/RD 4GB DDR3L 1600	11202706	*	●	●	
10	Memory, DDR3L 1600 4GB, RMT3170MN68F9F-1600 4GB DDR3L 1600	5M30G75129	*	●	●	
10	Memory, DDR3L 1600 4GB, MT8KTF51264HZ-1G6E1 4GB DDR3L 1600	11202125	*	●	●	
10	Memory, DDR3L 1600 4GB, M471B5173EB0-YK0 4GB DDR3L 1600	5M30G18425	*	●	●	●
10	Memory, DDR3L 1600 4GB, HMT451S6BFR8A-PB/RD 4GB DDR3L 1600	11202706	*	●	●	●
10	Memory, DDR3L 1600 4GB, RMT3170MN68F9F-1600 4GB DDR3L 1600	5M30G75129	*	●	●	●

Lenovo ideapad 300-14ISK/ideapad 300-15ISK/ideapad 300-17ISK Hardware Maintenance Manual

Table 4. Parts list—Overall (continued)

No.	FRU	FRU no.	CRU ID	ideapad 300-14ISK	ideapad 300-15ISK	ideapad 300-17ISK
10	Memory, DDR3L 1600 4GB, MT8KTF51264HZ-1G6E1 4GB DDR3L 1600	11202125	*	●	●	●
10	Memory, DDR3L 1600 8GB, M471B1G73EB0-YK0 8GB DDR3L 1600	5M30G18424	*	●	●	●
10	Memory, DDR3L 1600 8GB, HMT41GS6BFR8A-PB/RD 8GB DDR3L 1600	11202707	*	●	●	●
10	Memory, DDR3L 1600 8GB, RMT3160ME68FAF-1600 8GB DDR3L 1600	11202450	*	●	●	●
10	Memory, DDR3L 1600 8GB, MT16KTF1G64HZ-1G6E1 8GB DDR3L 1600	11201304	*	●	●	●
11	HDD, 500G 5400rpm, ST500LT012 6G 7mm 5.4K 500G HDD	16200383	*	●	●	●
11	HDD, 500G 5400rpm, WD WD5000LPCX-24VHAT0	5H20J35762	*	●	●	●
11	HDD, 500G 5400rpm, MQ01ABF050 6G 7mm 5.4K 500G HDD	16200433	*	●	●	●
11	HDD, 500G 5400rpm, HTS545050A7E660 6G 7mm 5.4K 500G HDD	5H20H14223	*	●	●	●
11	HDD, 1T 5400rpm, ST1000LM024 6G 9.5mm 5.4K 1T HDD	16200385	*	●	●	●
11	HDD, 1T 5400rpm, WD10JPCX-24UE4T0 6G 9.5mm 5.4K 1T HDD	16200393	*	●	●	●
11	HDD, 1T 5400rpm, TSB MQ01ABD100 6G 9.5mm 5.4K 1T HDD	16200429	*	●	●	●
11	HDD, 1T 5400rpm, HTS541010A9E660 6G 9.5mm 5.4K 1T HDD	16200400	*	●	●	●
11	HDD, 1T 5400rpm, ST500LM000 7mm 500G+8G	5H20H24608	*	●	●	●
11	HDD, 1T 5400rpm, ST1000LM014 9.5mm 1T+8G	5H20H24607	*	●	●	●

Lenovo ideapad 300-14ISK/ideapad 300-15ISK/ideapad 300-17ISK

Table 4. Parts list—Overall (continued)

No.	FRU	FRU no.	CRU ID	ideapad 300-14ISK	ideapad 300-15ISK	ideapad 300-17ISK
11	HDD, 128G 2.5" SATA (Low cost), 500G+8G Hybrid, MQ02ABF050H 7mm 5.4k 500GB + 8G SSHD	5H20H12631	*			●
11	HDD, 1T+8G Hybrid, MQ02ABD100H 9.5mm 5.4k 1TB+8GB SSHD	5H20H12632	*			●
11	SSD, 128G, Samsung MZYL128HCHP 2.5" 5mm 128GB SSD	5SD0H45117	*		●	●
12	FAN L 30014&15ISK	5F10K42885	N	●	●	●
13	Heatsink DIS L 30014&15ISK	5H40K42887	N	●	●	●
13	Heatsink UMA L 30014&15ISK	5H40K42886	N	●	●	●
14	Battery, 4S1P 4cell 2.8Ah 41Wh, SA L15S4E01 14.4V41Wh4cell	5B10H71979	N	●	●	●
14	Battery, 4S1P 4cell 2.8Ah 41Wh, SP/L L15M4E01 14.88 14.6 V41Wh4cell bty	5B10H70338	N	●	●	●
14	Battery, 4S1P 4cell 2.8Ah 41Wh, LG L15L4E01 14.6V41Wh4cell bty	5B10H70340	N	●	●	●
14	Battery, 4S1P 4cell 2.2Ah 32Wh, SY L15S4A01 14.4V32Wh4cell bty	5B10H71978	N	●	●	
14	Battery, 4S1P 4cell 2.2Ah 32Wh, SP/L L15M4A01 14.4V32Wh4cell bty	5B10H70339	N	●	●	
14	Battery, 4S1P 4cell 2.2Ah 32Wh, LG L15L4A01 14.4V32Wh4cell bty	5B10H70341	N	●	●	
15	USB&AUDIO BOARD L30014&15ISK	5C50K38228	N	●	●	
15	USB& AUDIO BOARD L80QH	5C50K61883	N			●
16	LOGIC LOWER L 300-14IBR	5CB0K14038	N	●	●	●
16	Lower Cover L 300-15IBR	5CB0K14019	N		●	
16	Lower Cover L80QH	5CB0K61900	N			●

// Lenovo ideapad 300-14ISK/ideapad 300-15ISK/ideapad 300-17ISK Hardware Maintenance Manual

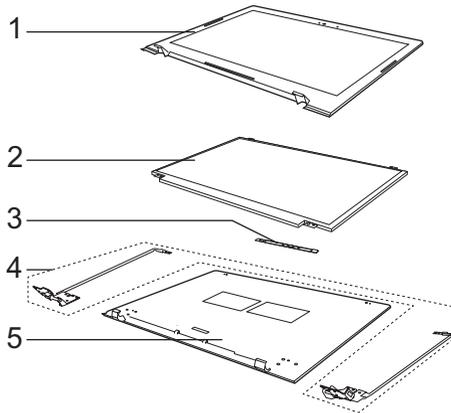
Table 4. Parts list—Overall (continued)

No.	FRU	FRU no.	CRU ID	ideapad 300-14ISK	ideapad 300-15ISK	ideapad 300-17ISK
17	ODD, 9.0 Rambo, HLDS GUE0N 9.0mm internal DVD Rambo ODD	5DX0J46488	**	●	●	●
17	ODD, 9.0 Rambo, PLDS DA-8A6SH 9.0mm Slim Tray Rambo ODD	5DX0F86404	**	●	●	●
17	ODD, 9.0 Rambo, PSN UJ8HC 9.0mm Slim Tray Rambo ODD	5DX0G86787	**	●	●	●
17	ODD, 9.0 Rambo, TSST SU-228GB 9.0 Rambo ODD	5DX0H14227	**	●	●	
17	ODD, Dummy ODD	SM20G41593	**	●	●	
17	DUMMY ODDL 300-IBR L 300-IBR	5M20K14008	**	●	●	
18	Thermal Cover L 30014ISK	5CB0K38230	*	●		
18	Thermal Cover L 30015ISK	5CB0K38216	*		●	
18	Lower Case Door L80QH	5CB0K61874	*			●

LCD FRUs

In Lenovo ideapad 300-14ISK/ideapad 300-15ISK/ideapad 300-17ISK, there are following types of LCDs.

- "14.0 -in. HD TFT"
- "15.6 -in. HD TFT"
- "17.3-in. HD TFT"



14.0-in. HD TFT

Table 5. Parts list—14.0-in. HD TFT

No.	FRU	FRU no.	CRU ID
1	LCD BEZEL-TEX-300-14IBR	5B30K14014	N
1	LCD BEZEL-IMR-300-14IBR	5B30K14054	N
2	Panel-14' HD-G eDP 3.6t CMI N140BGE-EB3 C3 HD G S NB 14" HD LED	5D10H13023	N
2	Panel-14' HD-G eDP 3.6t LG LP140WH8-TPG1 HDT G F NB 14" HD LED	5D10H91344	N
2	Panel-14' HD-G eDP 3.6t AUO B140XTN02.D 2A HD G S NB 14" HD LED	5D10H13021	N
2	Panel-14' HD-G eDP 3.6t SDC LTN140AT35-L01 HD G F NB 14" HD LED	5D10H15254	N
2	Panel-14' HD-G eDP 3.6t BOE HB140WX1-301 HD G F LED1 NB LCD 14" HD LED	18200939	N
2	Panel-14' HD-G eDP 3.6t IVO M140NWR4 R2 HD G F NB 14" HD LED	5D10H34067	N
2	Panel-14' FHD-G eDP 3.0t AUO B140HTN01.C/ 0A FHD G S NB 14" FHD LED	5D10H15252	N
2	Panel-14' FHD-G eDP 3.0t CMI N140HGE-EBA FHD G S LED1 NB LCD 14" FHD LED	18201666	N
2	Panel-14' FHD-G eDP 3.0t BO HB140FH1-301 V4.1 FHDT G S NB 14" FHD LED	5D10H56753	N
3	Camera, 0.3M with 1MIC, BIS BNC7VTKTD 0.3M NB camera	5C20G89273	N
3	Camera, 0.3M with 1MIC, BIS BNC7VTKKT 0.3M NB camera	5C20G89266	N
3	Camera, 0.3M with 1MIC, LTN 4SF015N2 0.3M NB camera	5C20G89274	N
3	Camera, 0.3M with 1MIC, AVC HAA-584B01 0.3M NB camera	5C20G89267	N
3	Camera, 0.3M with 1MIC, AWA AM-VS075 0.3M NB camera	5C20G89275	N
3	Camera, HD with 1MIC, BIS BNC716YTK HD NB camera	5C20G89270	N
3	Camera, HD with 1MIC, AVC HAA-6D0F04 HD NB camera	5C20G89271	N
3	Camera, HD with 1MIC, CCY CNFEH37 HD NB camera	5C20G89265	N
3	CAMERA 0.3M 300-IBR	5C20K27045	N
3	CAMERA HD 300-IBR	5C20K27042	N
4	HINGE L+R L 300-14IBR	5H50K14032	N
4	HINGE L+R-IMR L 300-14IBR	5H50K14044	N
5	LCD COVER 300-14IBR BLK-TEX	5CB0K14018	N
5	LCD COVER 300-14IBR BLK-IMR	5CB0K14011	N
5	LCD COVER 300-14IBR SILVER-IMR	5CB0K14060	N

15.6-in. HD TFT

Table 6. Parts list—15.6-in. HD TFT

No.	FRU	FRU no.	CRU ID
1	LCD BEZEL L IMR-300-15IBR	5B30K14025	N
1	LCD BEZEL L TEX-300-15IBR	5B30K14031	N
2	Panel-15' HD-G eDP 3.8t CMI N156BGE-EB2 HD G S NB 15.6" HD LED	5D10H13020	N
2	Panel-15' HD-G eDP 3.8t LG LP156WHB-TPGA HDT G F NB 15.6" HD LED	5D10H91342	N
2	Panel-15' HD-G eDP 3.8t AUO B156XTN04.5 1A HD G F NB 15.6" HD LED	5D10H15253	N
2	Panel-15' HD-G eDP 3.8t SDC LTN156AT39-L01 HD G F NB 15.6" HD LED	5D10H13022	N
2	Panel-15' HD-G eDP 3.8t BOE N156WHM-N12 HD G F NB 15.6" HD LED	5D10G74897	N
2	Panel-15' FHD-G eDP 3.2t AUO B156HTN03.9 0A FHD G S NB 15.6" FHD LED	5D10H15251	N
2	Panel-15' FHD-G eDP 3.2t CMI N156HGE-EBB FHD G S LED1 NB LCD 15.6" FHD LED	18201672	N
2	Panel-15' FHD-G eDP 3.2t BOE HB156FH1-301 V5.1 FHDT G S NB 15.6" FHD LED	5D10J40663	N
3	Camera, 0.3M with 1MIC, BIS BNC7VTKTD 0.3M NB camera	5C20G89273	N
3	Camera, 0.3M with 1MIC, BIS BNC7VTKKT 0.3M NB camera	5C20G89266	N
3	Camera, 0.3M with 1MIC, LTN 4SF015N2 0.3M NB camera	5C20G89274	N
3	Camera, 0.3M with 1MIC, AVC HAA-584B01 0.3M NB camera	5C20G89267	N
3	Camera, 0.3M with 1MIC, AWA AM-VS075 0.3M NB camera	5C20G89275	N
3	Camera, HD with 1MIC BIS BNC716YTK HD NB camera	5C20G89270	N
3	Camera, HD with 1MIC AVC HAA-6D0F04 HD NB camera	5C20G89271	N
3	Camera, HD with 1MIC CCY CNFEH37 HD NB camera	5C20G89265	N
3	CAMERA 0.3M 300-IBR	5C20K27045	N
3	CAMERA HD 300-IBR	5C20K27042	N
4	HINGE L+R L 300-15IBR	5H50K14020	N
4	HINGE L+R-IMR L300-15IBR	5H50K14004	N
5	LCD COVER L300-15IBR BLACK-TEX	5CB0K14051	N
5	LCD COVER L300-15IBR BLACK-IMR	5CB0K14040	N
5	LCD COVER 300-15IBR LSILVER-IMR	5CB0K14035	N
5	LCD COVER L30015ISK RED-IMR	5CB0K38196	N

17-in. HD TFT

Table 7. Parts list—17.3-in. HD TFT

No.	FRU	FRU no.	CRU ID
1	LCD BEZEL L80QH	5CB0K61867	N
2	Panel-17, HD+-G eDP Flat 4.0t, AU B173RTN02.2 0A HD+T G F NB	5D10J46200	N
2	Panel-17, HD+-G eDP Flat 4.0t, SD LTN173KT04-L01 HD+T G F NB	5D10J46205	N
2	Panel-17, HD+-G eDP Flat 4.0t, BO NT173WDM-N11 HD+T G F NB	5D10J46199	N
3	CAMERA 0.3M 300-IBR	5C20K27045	N
3	CAMERA HD 300-IBR	5C20K27042	N
3	Camera, 0.3M with 1MIC, BIS BNC7VTKTD 0.3M NB camera	5C20G89273	N
3	Camera, 0.3M with 1MIC, BIS BNC7VTKKT 0.3M NB camera	5C20G89266	N
3	Camera, 0.3M with 1MIC, LTN 4SF015N2 0.3M NB camera	5C20G89274	N
3	Camera, 0.3M with 1MIC, AVC HAA-584B01 0.3M NB camera	5C20G89267	N
3	Camera, 0.3M with 1MIC, AWA AM-VS075 0.3M NB camera	5C20G89275	N
3	Camera, HD with 1MIC, BIS BNC716YTK HD NB camera	5C20G89270	N
3	Camera, HD with 1MIC, AVC HAA-6D0F04 HD NB camera	5C20G89271	N
3	Camera, HD with 1MIC, CCY CNFEH37 HD NB camera	5C20G89265	N
4	HINGE L+R L80QH	5H50K61907	N
5	LCD COVER ASSY L80QH	5CB0K61890	N

Keyboard

Table 8. Parts list—Keyboard

Language		P/N	CRU ID
keyboard ideapad 300-14ISK	Chicony Black	English	25214510
		U.K. English	25214511
		Italian	25214512
		Spanish	25214513
		Turkish	25214514
		Thai	25214515
		Portuguese	25214516
		Latin	25214517
		Canadian English&French	25214518
		Korean	25214519
		Traditional Chinese	25214520
		Russian	25214521
		French	25214522
		German	25214523
		Arabic	25214524
		Brazilian	25214525
		Japanese	25214526
		Dutch	25214527
		Greek	25214528
		Hebrew	25214529
		Hungarian	25214530
		Four Nordic countries	25214531
		Belgian	25214532
		Icelandic	25214533
		Slovenian	25214534
		Swiss	25214535
International English	25214536		
Czechoslovakian	25214537		
Bulgarian	25214538		
Indian	25214539		

// Lenovo ideapad 300-14ISK/ideapad 300-15ISK/ideapad 300-17ISK Hardware Maintenance Manual

Table 8. Parts list—Keyboard (continued)

Language		P/N	CRU ID
keyboard ideapad 300-14ISK (continued)	Liteon Black	English	25215190
		U.K. English	25215191
		Italian	25215192
		Spanish	25215193
		Turkish	25215194
		Thai	25215195
		Portuguese	25215196
		Latin	25215197
		Canadian English&French	25215198
		Korean	25215199
		Traditional Chinese	25215200
		Russian	25215201
		French	25215202
		German	25215203
		Arabic	25215204
		Brazilian	25215205
		Japanese	25215206
		Dutch	25215207
		Greek	25215208
		Hebrew	25215209
		Hungarian	25215210
		Four Nordic countries	25215211
		Belgian	25215212
		Icelandic	25215213
		Slovenian	25215214
		Swiss	25215215
International English	25215216		
Czechoslovakian	25215217		
Bulgarian	25215218		
Indian	25215219		

Table 8. Parts list—Keyboard (continued)

Language		P/N	CRU ID
keyboard ideapad 300-14ISK (continued)	Sunrex Black	English	25214540
		U.K. English	25214541
		Italian	25214542
		Spanish	25214543
		Turkish	25214544
		Thai	25214545
		Portuguese	25214546
		Latin	25214547
		Canadian English&French	25214548
		Korean	25214549
		Traditional Chinese	25214550
		Russian	25214551
		French	25214552
		German	25214553
		Arabic	25214554
		Brazilian	25214555
		Dutch	25214557
		Greek	25214558
		Hebrew	25214559
		Hungarian	25214560
		Four Nordic countries	25214561
		Belgian	25214562
		Icelandic	25214563
		Slovenian	25214564
Swiss	25214565		
International English	25214566		
Czechoslovakian	25214567		
Bulgarian	25214568		
Indian	25214569		

Table 8. Parts list—Keyboard (continued)

Language		P/N	CRU ID
keyboard ideapad 300-14ISK (continued)	Chicony Sliver	English	5N20K13261
		U.K. English	5N20K13312
		Italian	5N20K13181
		Spanish	5N20K13207
		Turkish	5N20K13228
		Thai	5N20K13248
		Portuguese	5N20K13272
		Latin	5N20K13294
		Canadian English&French	5N20K13318
		Korean	5N20K13187
		Traditional Chinese	5N20K13213
		Russian	5N20K13235
		French	5N20K13259
		German	5N20K13302
		Arabic	5N20K13204
		Brazilian	5N20K13225
		Japanese	5N20K13246
		Dutch	5N20K13270
		Greek	5N20K13295
		Hebrew	5N20K13319
		Hungarian	5N20K13188
		Four Nordic countries	5N20K13214
		Belgian	5N20K13236
		Icelandic	5N20K13262
		Slovenian	5N20K13284
		Swiss	5N20K13254
International English	5N20K13275		
Czechoslovakian	5N20K13297		
Bulgarian	5N20K13322		
Indian	5N20K13191		
French-Arabic	5N20K13216		

Table 8. Parts list—Keyboard (continued)

Language		P/N	CRU ID
keyboard ideapad 300-14ISK (continued)	Sunrex Sliver	English	5N20K13237
		U.K. English	5N20K13260
		Italian	5N20K13283
		Spanish	5N20K13308
		Turkish	5N20K13176
		Thai	5N20K13200
		Portuguese	5N20K13238
		Latin	5N20K13263
		Canadian English&French	5N20K13285
		Korean	5N20K13184
		Traditional Chinese	5N20K13208
		Russian	5N20K13230
		French	5N20K13253
		German	5N20K13279
		Arabic	5N20K13299
		Brazilian	5N20K13325
		Dutch	5N20K13194
		Greek	5N20K13215
		Hebrew	5N20K13281
		Hungarian	5N20K13303
		Four Nordic countries	5N20K13326
		Belgian	5N20K13210
		Icelandic	5N20K13231
		Slovenian	5N20K13255
		Swiss	5N20K13305
International English	5N20K13329		
Czechoslovakian	5N20K13197		
Bulgarian	5N20K13220		
Indian	5N20K13264		
French-Arabic	5N20K13286		

// Lenovo ideapad 300-14ISK/ideapad 300-15ISK/ideapad 300-17ISK Hardware Maintenance Manual

Table 8. Parts list—Keyboard (continued)

Language		P/N	CRU ID
keyboard ideapad 300-14ISK (continued)	Liteon Sliver	English	5N20K13313
		U.K. English	5N20K13182
		Italian	5N20K13211
		Spanish	5N20K13233
		Turkish	5N20K13257
		Thai	5N20K13311
		Portuguese	5N20K13183
		Latin	5N20K13209
		Canadian English&French	5N20K13232
		Korean	5N20K13256
		Traditional Chinese	5N20K13282
		Russian	5N20K13309
		French	5N20K13178
		German	5N20K13206
		Arabic	5N20K13227
		Brazilian	5N20K13249
		Japanese	5N20K13277
		Dutch	5N20K13300
		Greek	5N20K13323
		Hebrew	5N20K13195
		Hungarian	5N20K13243
		Four Nordic countries	5N20K13310
		Belgian	5N20K13180
		Icelandic	5N20K13205
		Slovenian	5N20K13229
		Swiss	5N20K13250
International English	5N20K13276		
Czechoslovakian	5N20K13301		
Bulgarian	5N20K13327		
Indian	5N20K13196		
French-Arabic	5N20K13222		

Table 8. Parts list—Keyboard (continued)

Language		P/N	CRU ID
keyboard ideapad 300-15ISK	Chicony Black	English	25214725
		U.K. English	25214726
		Italian	25214727
		Spanish	25214728
		Turkish	25214729
		Thai	25214730
		Portuguese	25214731
		Latin	25214732
		Canadian English&French	25214733
		Korean	25214734
		Traditional Chinese	25214735
		Russian	25214736
		French	25214737
		German	25214738
		Arabic	25214739
		Brazilian	25214740
		Japanese	25214741
		Dutch	25214742
		Greek	25214743
		Hebrew	25214744
		Hungarian	25214745
		Four Nordic countries	25214746
		Belgian	25214747
		Icelandic	25214748
		Slovenian	25214749
		Swiss	25214750
International English	25214751		
Czechoslovakian	25214752		
Bulgarian	25214753		
Indian	25214754		
French-Arabic	5N20G90531		

// Lenovo ideapad 300-14ISK/ideapad 300-15ISK/ideapad 300-17ISK Hardware Maintenance Manual

Table 8. Parts list—Keyboard (continued)

Language		P/N	CRU ID
keyboard ideapad 300-15ISK (continued)	Sunrex Black	English	25214755
		U.K. English	25214756
		Italian	25214757
		Spanish	25214758
		Turkish	25214759
		Thai	25214760
		Portuguese	25214761
		Latin	25214762
		Canadian English&French	25214763
		Korean	25214764
		Traditional Chinese	25214765
		Russian	25214766
		French	25214767
		German	25214768
		Arabic	25214769
		Brazilian	25214770
		Japanese	25214771
		Dutch	25214772
		Greek	25214773
		Hebrew	25214774
		Hungarian	25214775
		Four Nordic countries	25214776
		Belgian	25214777
		Icelandic	25214778
		Slovenian	25214779
		Swiss	25214780
		International English	25214781
Czechoslovakian	25214782		
Bulgarian	25214783		
Indian	25214784		
French-Arabic	5N20G90525		

Table 8. Parts list—Keyboard (continued)

Language		P/N	CRU ID
keyboard ideapad 300-15ISK (continued)	Darfon Black	English	25214785
		U.K. English	25214786
		Italian	25214787
		Spanish	25214788
		Turkish	25214789
		Thai	25214790
		Portuguese	25214791
		Latin	25214792
		Canadian English&French	25214793
		Korean	25214794
		Traditional Chinese	25214795
		Russian	25214796
		French	25214797
		German	25214798
		Arabic	25214799
		Brazilian	25214800
		Japanese	25214801
		Dutch	25214802
		Greek	25214803
		Hebrew	25214804
		Hungarian	25214805
		Four Nordic countries	25214806
		Belgian	25214807
		Icelandic	25214808
		Slovenian	25214809
		Swiss	25214810
		International English	25214811
		Czechoslovakian	25214812
Bulgarian	25214813		
Indian	25214814		
French-Arabic	5N20G90518		

// Lenovo ideapad 300-14ISK/ideapad 300-15ISK/ideapad 300-17ISK Hardware Maintenance Manual

Table 8. Parts list—Keyboard (continued)

Language		P/N	CRU ID
keyboard ideapad 300-15ISK (continued)	Chicony Sliver	English	5N20K13018
		U.K. English	5N20K13072
		Italian	5N20K12991
		Spanish	5N20K13016
		Turkish	5N20K13041
		Thai	5N20K13064
		Portuguese	5N20K13091
		Latin	5N20K12957
		Canadian English&French	5N20K12978
		Korean	5N20K13003
		Traditional Chinese	5N20K13029
		Russian	5N20K13054
		French	5N20K13079
		German	5N20K12964
		Arabic	5N20K12987
		Brazilian	5N20K13013
		Japanese	5N20K13039
		Dutch	5N20K13063
		Greek	5N20K13087
		Hebrew	5N20K12952
		Hungarian	5N20K12972
		Four Nordic countries	5N20K13009
		Belgian	5N20K13035
		Icelandic	5N20K13057
		Slovenian	5N20K13084
		Swiss	5N20K12985
International English	5N20K13007		
Czechoslovakian	5N20K13032		
Bulgarian	5N20K13060		
Indian	5N20K13085		
French-Arabic	5N20K12953		

Table 8. Parts list—Keyboard (continued)

Language		P/N	CRU ID
keyboard ideapad 300-15ISK (continued)	Sunrex Sliver	English	5N20K12973
		U.K. English	5N20K13000
		Italian	5N20K13021
		Spanish	5N20K13046
		Turkish	5N20K13070
		Thai	5N20K13097
		Portuguese	5N20K12977
		Latin	5N20K13002
		Canadian English&French	5N20K13028
		Korean	5N20K13053
		Traditional Chinese	5N20K13081
		Russian	5N20K13104
		French	5N20K12990
		German	5N20K13015
		Arabic	5N20K13040
		Brazilian	5N20K13065
		Japanese	5N20K13090
		Dutch	5N20K12955
		Greek	5N20K13017
		Hebrew	5N20K13044
		Hungarian	5N20K13069
		Four Nordic countries	5N20K13095
		Belgian	5N20K12959
		Icelandic	5N20K12980
		Slovenian	5N20K13037
Swiss	5N20K13062		
International English	5N20K13086		
Czechoslovakian	5N20K12949		
Bulgarian	5N20K12971		
Indian	5N20K12994		
French-Arabic	5N20K13022		

// Lenovo ideapad 300-14ISK/ideapad 300-15ISK/ideapad 300-17ISK Hardware Maintenance Manual

Table 8. Parts list—Keyboard (continued)

Language		P/N	CRU ID
keyboard ideapad 300-15ISK (continued)	Darfon Sliver	English	5N20K13078
		U.K. English	5N20K13099
		Italian	5N20K12965
		Spanish	5N20K12988
		Turkish	5N20K13010
		Thai	5N20K13036
		Portuguese	5N20K13058
		Latin	5N20K12950
		Canadian English&French	5N20K12970
		Korean	5N20K12993
		Traditional Chinese	5N20K13020
		Russian	5N20K13049
		French	5N20K13074
		German	5N20K13098
		Arabic	5N20K12963
		Brazilian	5N20K12989
		Japanese	5N20K13011
		Dutch	5N20K13034
		Greek	5N20K13056
		Hebrew	5N20K13082
		Hungarian	5N20K12983
		Four Nordic countries	5N20K13008
		Belgian	5N20K13047
		Icelandic	5N20K13071
		Slovenian	5N20K13096
		Swiss	5N20K12961
International English	5N20K12982		
Czechoslovakian	5N20K13006		
Bulgarian	5N20K13031		
Indian	5N20K13055		
French-Arabic	5N20K13083		

Table 8. Parts list—Keyboard (continued)

Language		P/N	CRU ID
keyboard ideapad 300-17ISK	Chicony Black	English	25214725
		U.K. English	25214726
		Italian	25214727
		Spanish	25214728
		Turkish	25214729
		Thai	25214730
		Portuguese	25214731
		Latin	25214732
		Canadian English&French	25214733
		Korean	25214734
		Traditional Chinese	25214735
		Russian	25214736
		French	25214737
		German	25214738
		Arabic	25214739
		Brazilian	25214740
		Japanese	25214741
		Dutch	25214742
		Greek	25214743
		Hebrew	25214744
		Hungarian	25214745
		Four Nordic countries	25214746
		Belgian	25214747
		Icelandic	25214748
		Slovenian	25214749
		Swiss	25214750
International English	25214751		
Czechoslovakian	25214752		
Bulgarian	25214753		
Indian	25214754		
French-Arabic	5N20G90531		

// Lenovo ideapad 300-14ISK/ideapad 300-15ISK/ideapad 300-17ISK Hardware Maintenance Manual

Table 8. Parts list—Keyboard (continued)

Language		P/N	CRU ID
keyboard ideapad 300-17ISK (continued)	Sunrex Black	English	25214755
		U.K. English	25214756
		Italian	25214757
		Spanish	25214758
		Turkish	25214759
		Thai	25214760
		Portuguese	25214761
		Latin	25214762
		Canadian English&French	25214763
		Korean	25214764
		Traditional Chinese	25214765
		Russian	25214766
		French	25214767
		German	25214768
		Arabic	25214769
		Brazilian	25214770
		Japanese	25214771
		Dutch	25214772
		Greek	25214773
		Hebrew	25214774
		Hungarian	25214775
		Four Nordic countries	25214776
		Belgian	25214777
		Icelandic	25214778
		Slovenian	25214779
		Swiss	25214780
		International English	25214781
		Czechoslovakian	25214782
Bulgarian	25214783		
Indian	25214784		
French-Arabic	5N20G90525		

Table 8. Parts list—Keyboard (continued)

Language		P/N	CRU ID
keyboard ideapad 300-17ISK (continued)	Darfon Black	English	25214785
		U.K. English	25214786
		Italian	25214787
		Spanish	25214788
		Turkish	25214789
		Thai	25214790
		Portuguese	25214791
		Latin	25214792
		Canadian English&French	25214793
		Korean	25214794
		Traditional Chinese	25214795
		Russian	25214796
		French	25214797
		German	25214798
		Arabic	25214799
		Brazilian	25214800
		Japanese	25214801
		Dutch	25214802
		Greek	25214803
		Hebrew	25214804
		Hungarian	25214805
		Four Nordic countries	25214806
		Belgian	25214807
		Icelandic	25214808
		Slovenian	25214809
		Swiss	25214810
		International English	25214811
		Czechoslovakian	25214812
Bulgarian	25214813		
Indian	25214814		
French-Arabic	5N20G90518		

Miscellaneous parts

Table 9. Parts list—Miscellaneous parts

FRU	P/N	CRU ID	ideapad 300-14ISK	ideapad 300-15ISK	ideapad 300-17ISK
System miscellaneous parts:					
• (a) ODD BRACKET L 300-IBR	5B40K14005	N	●	●	●
• (b) ODD BEZEL L 300-IBR	5B30K14037	N	●	●	●
• (c) HDD BRACKET L 300-IBR	5B40K14016	N	●	●	●
• (d) HDD SPONGE 7MM L 300-IBR	5T10K14056	N	●	●	●
Cable miscellaneous parts:					
• (e) USB CABLE L300-14ISK	5C10K38184	N	●		
• (e) USB CABLE L300-15ISK	5C10K40642	N		●	
• (e) USB FFC cable L80QH	5C10K61876	N			●
• (f) HDD FFC cable L80QH	5C10K61865	N			●
Note: <i>Italicized letters in parentheses are references to the exploded view in “Overall” on page 80.</i>					

Screws

Table 10. Parts list—Screws

FRU	P/N	CRU ID	ideapad 300-14ISK	ideapad 300-15ISK	ideapad 300-17ISK
ACLU1 ScrewPanel-A/MB-D/IO BD-D	90205117	N	●	●	
AILZAScrewM M2D 1.5+3.4L K 3.5D 1T	90203989	N	●	●	
ACLU1ScrewD-C/D-KB/ODD-D-MB-KB/FAN	90205118	N	●	●	
ACLU1 Screw Hinge-D	90205119	N	●	●	
AILZA Screw M M 2D 7.4+4.6L K 3.5D 1T	90203992	N	●	●	
ViennaSCREW M M3.0D3.0L K 4.0D0.4T	90204955	N	●	●	
ScrewL300-IBR 2.5D3.5LK5.3D0.5T	5S10K14049	N	●	●	
QIQY5 SCREW 2D 3L K 4.5D ZK NL +CR3+0.4T	90001118	N	●	●	
SCREW MM2.0D4LK5.0DNIL80QH	5S10K61879	N			●
SCREW MM2.5D4LK4.5DTBNIL80QH	5S10K61904	N			●
SCREW MM2.5D7.0LK TZK L80QH	5S10K61894	N			●
QIQY5SCREW2D3LK4.5DZKNL+CR3+0.4T	90001118	N			●
ACLU1ScrewD-C/D-KB/ODD-D-MB-KB/FAN	90205118	N			●
ViennaSCREW M M3.0D3.0L K 4.0D0.4T	90204955	N			●
QIQY6 SCREW 2.5D 5.0L K 4.6D NI NL+	90202001	N			●

AC adapters

Table 11. Parts list—3-pin AC adapters

FRU	P/N	CRU ID	ideapad 300-14ISK	ideapad 300-15ISK
Adapter, 45W, Chicony ADLX45NCC3A 20V2.25A adap DOE	5A10H03912	*	●	
Adapter, 45W, Liteon ADLX45DLC3A 20V2.25A adap DOE	5A10H03910	*	●	
Adapter, 45W, Chicony ADLX45NCC3A 20V2.25A adap DOE	5A10H03912	*	●	
Adapter, 45W, Liteon ADLX45DLC3A 20V2.25A adap DOE	5A10H03910	*	●	
Adapter, 45W, Delta ADLX45NDC3A 20V2.25A adap DOE	5A10H03911	*	●	
Adapter, 45W(3pin), Chicony ADLX45NCC3A 20V2.25A adap DOE	5A10H03912	*	●	
Adapter, 45W(3pin), Liteon ADLX45DLC3A 20V2.25A adap DOE	5A10H03910	*	●	
Adapter, 45W(3pin), Delta ADLX45NDC3A 20V2.25A adap DOE	5A10H03911	*	●	
Adapter, 45W(3pin), Acbel ADLX45NAC3A 20V2.25A adap	5A10K02213	*	●	
Adapter, 65W(3pin), Delta ADLX65NDC3A 20V3.25A BIS	5A10J46692	*	●	
Adapter, 65W(3pin), Liteon ADLX65NLC3A 20V3.25A AD BIS	5A10J75114	*	●	
Adapter, 65W(3pin), Chicony ADLX65NCC3A 20V3.25A AD BIS	5A10J75111	*	●	
Adapter, 65W, Chicony ADLX65NCC3A 20V3.25A adap(CMN)	36200611	*	●	
Adapter, 65W, Liteon ADLX65NLC3A 20V3.25A adap(CMN)	36200607	*	●	
Adapter, 65W, Delta ADLX65NDC3A 20V3.25A adapter	36200249	*	●	
Adapter, 65W(3pin), Delta ADLX65NDC3A 20V3.25A BIS	5A10J46692	*	●	
Adapter, 65W(3pin), Liteon ADLX65NLC3A 20V3.25A AD BIS	5A10J75114	*	●	
Adapter, 65W(3pin), Chicony ADLX65NCC3A 20V3.25A AD BIS	5A10J75111	*	●	

Table 11. Parts list—3-pin AC adapters (continued)

FRU	P/N	CRU ID	ideapad 300-14ISK	ideapad 300-15ISK	ideapad 300-17ISK
Adapter, Chicony ADLX45NCC3A 20V2.25A adap DOE, 45W(3pin)	5A10H03912	*		●	
Adapter, Liteon ADLX45DLC3A 20V2.25A adap DOE, 45W(3pin)	5A10H03910	*		●	
Adapter, Delta ADLX45NDC3A 20V2.25A adap DOE, 45W(3pin)	5A10H03911	*		●	
Adapter, Acbel ADLX45NAC3A 20V2.25A adap, 45W(3pin)	5A10K02213	*		●	
Adapter, Chicony ADLX45NCC3A 20V2.25A adap DOE, 45W(3pin)	5A10H03912	*		●	
Adapter, Liteon ADLX45DLC3A 20V2.25A adap DOE, 45W(3pin)	5A10H03910	*		●	
Adapter, Chicony ADLX45NCC3A 20V2.25A adap DOE, 45W(3pin)	5A10H03912	*		●	
Adapter, Liteon ADLX45DLC3A 20V2.25A adap DOE, 45W(3pin)	5A10H03910	*		●	
Adapter, Delta ADLX45NDC3A 20V2.25A adap DOE, 45W(3pin)	5A10H03911	*		●	
Adapter, Chicony ADLX65NCC3A 20V3.25A adap(CMN), 65W(3pin)	36200611	*		●	
Adapter, Liteon ADLX65NLC3A 20V3.25A adap(CMN), 65W(3pin)	36200607	*		●	
Adapter, Delta ADLX65NDC3A 20V3.25A adapter, 65W(3pin)	36200249	*		●	
Adapter, Delta ADLX65NDC3A 20V3.25A BIS, 65W(3pin)	5A10J46692	*		●	
Adapter, Liteon ADLX65NLC3A 20V3.25A AD BIS, 65W(3pin)	5A10J75114	*		●	
Adapter, Chicony ADLX65NCC3A 20V3.25A AD BIS, 65W(3pin)	5A10J75111	*		●	

// Lenovo ideapad 300-14ISK/ideapad 300-15ISK/ideapad 300-17ISK Hardware Maintenance Manual

Table 11. Parts list—3-pin AC adapters (continued)

FRU	P/N	CRU ID	ideapad 300-14ISK	ideapad 300-15ISK	ideapad 300-17ISK
Adapter, Delta ADLX65NDC3A 20V3.25A BIS, 65W	5A10J46692	*		●	
Adapter, Liteon ADLX65NLC3A 20V3.25A AD BIS, 65W	5A10J75114	*		●	
Adapter, Chicony ADLX65NCC3A 20V3.25A AD BIS, 65W	5A10J75111	*		●	
Adapter, 45W (3pin) DOE for China, Chicony ADLX45NCC3A 20V2.25A adap DOE	5A10H03912	*			●
Adapter, 45W (3pin) DOE for China, Liteon ADLX45DLC3A 20V2.25A adap DOE	5A10H03910	*			●
Adapter, 45W (3pin) DOE for China, Delta ADLX45NDC3A 20V2.25A adap DOE	5A10H03911	*			●
Adapter, 45W (3pin) DOE for China, Acbel ADLX45NAC3A 20V2.25A adap	5A10K02213	*			●
Adapter, 45W(3pin) DOE for India, Chicony ADLX45NCC3A 20V2.25A adap DOE	5A10H03912	*			●
Adapter, 45W(3pin) DOE for India, Liteon ADLX45DLC3A 20V2.25A adap DOE	5A10H03910	*			●
Adapter, 45W(3pin) DOE for WW except China and India, Chicony ADLX45NCC3A 20V2.25A adap DOE	5A10H03912	*			●
Adapter, 45W(3pin) DOE for WW except China and India, Liteon ADLX45DLC3A 20V2.25A adap DOE	5A10H03910	*			●
Adapter, 45W(3pin) DOE for WW except China and India, Delta ADLX45NDC3A 20V2.25A adap DOE	5A10H03911	*			●

Table 11. Parts list—3-pin AC adapters (continued)

FRU	P/N	CRU ID	ideapad 300-14ISK	ideapad 300-15ISK	ideapad 300-17ISK
Adapter, 65W(3pin) for WW except India, Chicony ADLX65NCC3A 20V3.25A adapter(CMN)	36200611	*			●
Adapter, 65W(3pin) for WW except India, Liteon ADLX65NLC3A 20V3.25A adapter(CMN)	36200607	*			●
Adapter, 65W(3pin) for WW except India, Delta ADLX65NDC3A 20V3.25A adapter	36200249	*			●
Adapter, 65W(3pin) for WW except India, Delta ADLX65NDC3A 20V3.25A BIS	5A10J46692	*			●
Adapter, 65W(3pin) for WW except India, Liteon ADLX65NLC3A 20V3.25A AD BIS	5A10J75114	*			●
Adapter, 65W(3pin) for WW except India, Chicony ADLX65NCC3A 20V3.25A AD BIS	5A10J75111	*			●
Adapter, 65W(3pin) for India, Delta ADLX65NDC3A 20V3.25A BIS	5A10J46692	*			●
Adapter, 65W(3pin) for India, Liteon ADLX65NLC3A 20V3.25A AD BIS	5A10J75114	*			●
Adapter, 65W(3pin) for India, Chicony ADLX65NCC3A 20V3.25A AD BIS	5A10J75111	*			●

Power cords

A Lenovo power cord for a specific country or region is usually available only in that country or region:

Table 12. Parts list—3-pin power cords

Region	P/N	CRU ID
CCC • LINETEK PC323+RVV300/300+LS15 1m	145000600	*
Argentina • LINETEK LS15+H03VV-F+LP39 1m	145000599	
Denmark • LINETEK LS15+H03VV-F+LP-38 1m	145000598	
Switzerland • LINETEK LS15+H03VV-F+LP-37 1m	145000597	
Brazil • LINETEK LS15 H03VV-F LP26A 1m	145000596	
Israel • LINETEK LS15+H03VV-F+LP-41 1m	145000595	
UL • LINETEK LP-30B + SPT-2 + LS15 1m	145000594	
UK • LINETEK LP-61L+ H03VV-F+ LS15 1m	145000593	
Indian • LINETEK PE-361+ H05VV-F+ LS15 1m	145000592	
Italy • LINETEK LS15+H03VV-F+PE-336 1m	145000591	
Korea • LINETEK LS15+H05VV-F+LP-E04A 1m	145000590	
Australia • LINETEK LS15+H03VV-F+LP-23A 1m	145000589	
Taiwan • LINETEK LS15+VCTF+LP-53 1m	145000588	
Japan • LINETEK LS15+VCTF+LP-54 1m	145000587	
Africa • LINETEK LS15+H03VV-F+PE-364 1m	145000586	
CE • LINETEK LP-34+H03VV-F + LS15 1m	145000585	
CCC • Longwell LSG-31+RVV300/300+LS-18 1m	145000568	
Argentina • Longwell LP-24+H03VV-F+LS-18 1m	145000567	
Danmark • Longwell LP-40+H03VV-F+LS-18 1m	145000566	
Switzerland • Longwell LP-37+H03VV-F+LS-18 1m	145000565	

Table 12. Parts list—3-pin power cords (continued)

Region	P/N	CRU ID
Brazil	145000564	*
• Longwell LP-46+H03VV-F+LS-18 1m		
Israel	145000563	
• Longwell LP-41+H03VV-F+LS-18 1m		
UL	145000562	
• Longwell LP-30B+SPT-2 18AWG+LS-18 1m		
UK	145000561	
• Longwell LP-61L+H03VV-F+LS-18 1m		
Indian	145000560	
• Longwell LP-67+BIS+LS-18 1m		
Italy	145000559	
• Longwell LP-22+H03VV-F+LS-18 1m		
Korea	145000558	
• Longwell LP-486+KTLH03VV-F+LS-5 1m		
Australia	145000557	
• Longwell LP-23A+LFC-3R+LS-18 1m		
Taiwan	145000556	
• Longwell LP-71+VCTF+LS-33 1m		
Japan	145000555	
• Longwell LP-54+VCTF+LS-18 1m		
Africa	145000554	
• Longwell LP-39+H03VV-F+LS-18 1m		
CE	145000553	
• Longwell LP-34A+H03VV-F+LS-18 1m		
CCC	145000538	
• VOLEX GB10S3+RVV 300/500+VAC5S 1m		
UL	145000537	
• Volex US15S3+SPT-2 +VAC5S 1m		
Italy	145000535	
• VOLEX IT10S3+H03VV-F+VAC5S 1m		
Denmark	145000534	
• VOLEX MP233D+H03VV-F+VAC5S 1m		
Korea	145000533	
• VOLEX M2511+KETI IEC+VAC5S 1m		
Australia	145000532	
• VOLEX AU10S3+H03VV-F+VAC5S 1m		
Taiwan	145000531	
• VOLEX TW15CS3+VCTF+VAC5S 1m		
Japan	145000530	
• VOLEX VAC5S+VCTF+M755 1m		
Argentina	145000528	
• VOLEX VA2073+H03VV-F+VAC5S 1m		

// Lenovo ideapad 300-14ISK/ideapad 300-15ISK/ideapad 300-17ISK Hardware Maintenance Manual

Table 12. Parts list—3-pin power cords (continued)

Region	P/N	CRU ID
Brazil • VOLEX CH10S3+H03VV-F+VAC5S 1m	145000527	*
Israel • VOLEX SI16S3+H03VV-F+VAC5S 1m	145000526	
CE • VOLEX M2511+H03VV-F+VAC5S 1m	145000525	
Switzerland • VOLEX MP232+H03VV-F+VAC5S 1m	145000524	
UK • VOLEX MP5004+H03VV-F+VAC5S 1m	145000605	
UK • lux 0031+H03VV-F 0.75/3C+0011 1m	145500000	
CE • lux 0033+H03VV-F 0.75/3C+0011 1m	145500001	
UL • lux 0014+SPT-2 60°C 18/3C+0016 1m	145500002	
CCC • lux 0036+RVV 300/300 0.75/3C+0002 1m	145500003	
Indian • lux 0046+IS694 0.75/3C+0011 1m	145500004	
Japan • lux 0018(E)+VCTF 0.75/3C+0021 1m	145500005	
Australia • lux 0038+H03VV-F 0.75/3C+0011 1m	145500006	
Taiwan • lux 0019+VCTF 0.75/3C+0021 1m	145500007	
Korea • lux 0033+H03VV-F 0.75/3C+0011 1m	145500008	
Italy • lux 0029+H03VV-F 0.75/3C+0011 1m	145500009	
Africa • lux 0044+H03VV-F 0.75/3C+0011 1m	145500010	
Brazil • lux 0034+H03VV-F 0.75/3C+0011 1m	145500011	
Israel • lux 0041+H03VV-F 0.75/3C+0011 1m	145500012	
Switzerland • lux 0027+H03VV-F 0.75/3C+0011 1m	145500013	
Denmark • lux 0048+H03VV-F 0.75/3C+0011 1m	145500014	
Argentina • lux 0040+H03VV-F 0.75/3C+0011 1m	145500015	
Thailand • lux 0014+H03VV-F 0.75/3C+0011 1m	5L60J33143	

Notices

Lenovo may not offer the products, services, or features discussed in this document in all countries. Consult your local Lenovo representative for information on the products and services currently available in your area. Any reference to a Lenovo product, program, or service is not intended to state or imply that only that Lenovo product, program, or service may be used. Any functionally equivalent product, program, or service that does not infringe any Lenovo intellectual property right may be used instead. However, it is the user's responsibility to evaluate and verify the operation of any other product, program, or service.

Lenovo may have patents or pending patent applications covering subject matter described in this document. The furnishing of this document does not give you any license to these patents.

LENOVO GROUP LTD. PROVIDES THIS PUBLICATION "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Some jurisdictions do not allow disclaimer of express or implied warranties in certain transactions, therefore, this statement may not apply to you.

This information could include technical inaccuracies or typographical errors. Changes are periodically made to the information herein; these changes will be incorporated in new editions of the publication. Lenovo may make improvements and/or changes in the product(s) and/or the program(s) described in this publication at any time without notice.

The products described in this document are not intended for use in implantation or other life support applications where malfunction may result in injury or death to persons. The information contained in this document does not affect or change Lenovo product specifications or warranties. Nothing in this document shall operate as an express or implied license or indemnity under the intellectual property rights of Lenovo or third parties. All information contained in this document was obtained in specific environments and is presented as an illustration. The result obtained in other operating environments may vary.

Lenovo may use or distribute any of the information you supply in any way it believes appropriate without incurring any obligation to you.

Any references in this publication to non-Lenovo Web sites are provided for convenience only and do not in any manner serve as an endorsement of those Web sites. The materials at those Web sites are not part of the materials for this Lenovo product, and use of those Web sites is at your own risk.

Any performance data contained herein was determined in a controlled environment. Therefore, the result obtained in other operating environments may vary significantly. Some measurements may have been made on development-level systems and there is no guarantee that these measurements will be the same on generally available systems. Furthermore, some measurements may have been estimated through extrapolation. Actual results may vary. Users of this document should verify the applicable data for their specific environment.

Trademarks

The following terms are trademarks or registered trademarks of Lenovo in the United States, other countries, or both.

Lenovo
OneKey

Microsoft and Windows are trademarks of Microsoft Corporation in the United States, other countries, or both.

Other company, products, or service names may be trademarks or service marks of others.