



# LCD-TV

Chassis : LPY40MUS

LPY46MUS

LPY52MUS

Model : LNT4071F

LNT4671F

LNT5271F

# *SERVICE* Manual

## TFT-LCD TV



LNT4071F/ LNT4671F/ LNT5271F

## Contents

1. Precautions
2. Product specifications
3. Disassembly and Reassembly
4. Troubleshooting
5. Exploded View & Part List
6. Wiring Diagram
7. Schematic Diagram

# Contents

<b>1. Precautions .....</b>	<b>1-1</b>
1-1. Safety Precautions .....	1-1
1-2. Servicing Precautions .....	1-2
1-3. Electrostatically Sensitive Devices (ESD) Precautions .....	1-2
1-4. Installation Precautions .....	1-3
<b>2. Product specifications .....</b>	<b>2-1</b>
2-1. Feature & Specifications .....	2-1
2-2. New Features explanation .....	2-2
2-3. Spec Comparison to the Old Models .....	2-3
2-4. Accessories .....	2-4
<b>3. Disassembly and Reassemble .....</b>	<b>3-1</b>
3-1. Disassembly .....	3-1
<b>4. Troubleshooting .....</b>	<b>4-1</b>
4-1. Troubleshooting .....	4-1
4-2. Alignments and Adjustments .....	4-19
4-3. Factory Mode Adjustments .....	4-20
4-4. White Balance - Calibration .....	4-27
4-5. White Ratio (Balance) Adjustment .....	4-27
4-6. Servicing Information .....	4-28
<b>5. Exploded View &amp; Part List .....</b>	<b>5-1</b>
5-1. Exploded View .....	5-1
5-2. Parts List .....	5-3
<b>6. Wiring Diagram .....</b>	<b>6-1</b>
6-1. Wiring Diagram .....	6-1
6-2. Connector Functions .....	6-2
6-3. Cables .....	6-2
<b>7. Schematic Diagram .....</b>	<b>7-1</b>
7-1. Circuit Descriptions .....	7-1
7-2. Schematic Diagrams .....	7-2



**GSPN (Global Service Partner Network)**

Area	Web Site
North America	<a href="http://service.samsungportal.com">http://service.samsungportal.com</a>
Latin America	<a href="http://latin.samsungportal.com">http://latin.samsungportal.com</a>
CIS	<a href="http://cis.samsungportal.com">http://cis.samsungportal.com</a>
Europe	<a href="http://europe.samsungportal.com">http://europe.samsungportal.com</a>
China	<a href="http://china.samsungportal.com">http://china.samsungportal.com</a>
Asia	<a href="http://asia.samsungportal.com">http://asia.samsungportal.com</a>
Mideast & Africa	<a href="http://mea.samsungportal.com">http://mea.samsungportal.com</a>

**This Service Manual is a property of Samsung Electronics Co.,Ltd.**  
Any unauthorized use of Manual can be punished under applicable  
International and/or domestic law.

© 2007 Samsung Electronics Co.,Ltd.  
**All rights reserved.**  
Printed in Korea  
P/N: BN82-