

A2, T2 TWO-ROW A4, T4 FOUR-ROW ROW-CROP CULTIVATORS



JOHN DEERE

OPERATORS MANUAL

**A2, T2 TWO-ROW A4, T4 FOUR-ROW
ROW-CROP CULTIVATORS**

OMN159009 K5 English

OMN159009 K5

LITHO IN THE U.S.A.
ENGLISH



TO THE PURCHASER



This manual contains valuable information about your new John Deere Row-Crop Cultivator. It has been carefully prepared and illustrated. In it, you will find instructions and helpful suggestions for operating, adjusting, attaching, transporting, lubricating, and servicing your new cultivator. You will also find instructions for adapting your cultivator to work properly in all types of field cultivation.

Your new cultivator was built to rigid manufacturing standards. Material and workmanship are the best.

Precision production methods, and accurately controlled heat-treating assure maximum strength and long life for every part.

Keep this manual in a convenient place for quick and easy reference. Study this manual carefully. You have purchased a dependable and sturdy implement, but only by proper care and operation can you expect to receive the service and long life designed and built into it.

Give your cultivator proper attention during slack periods, and by doing this it will always be ready, without delay, when you need it.

Sometime in the future, your cultivator may need new parts to replace those that are worn or broken. If so, go to your John Deere dealer. Provide him with the model number of your cultivator and the date purchased. Record this information in the space provided below, so it will be readily accessible when it is needed.

LOCATION REFERENCES

Right-hand and left-hand references are determined by standing at the rear of the cultivator and facing in the direction of travel.

JOHN DEERE A2 AND T2 TWO-ROW, AND A4 AND T4 FOUR-ROW, CULTIVATORS

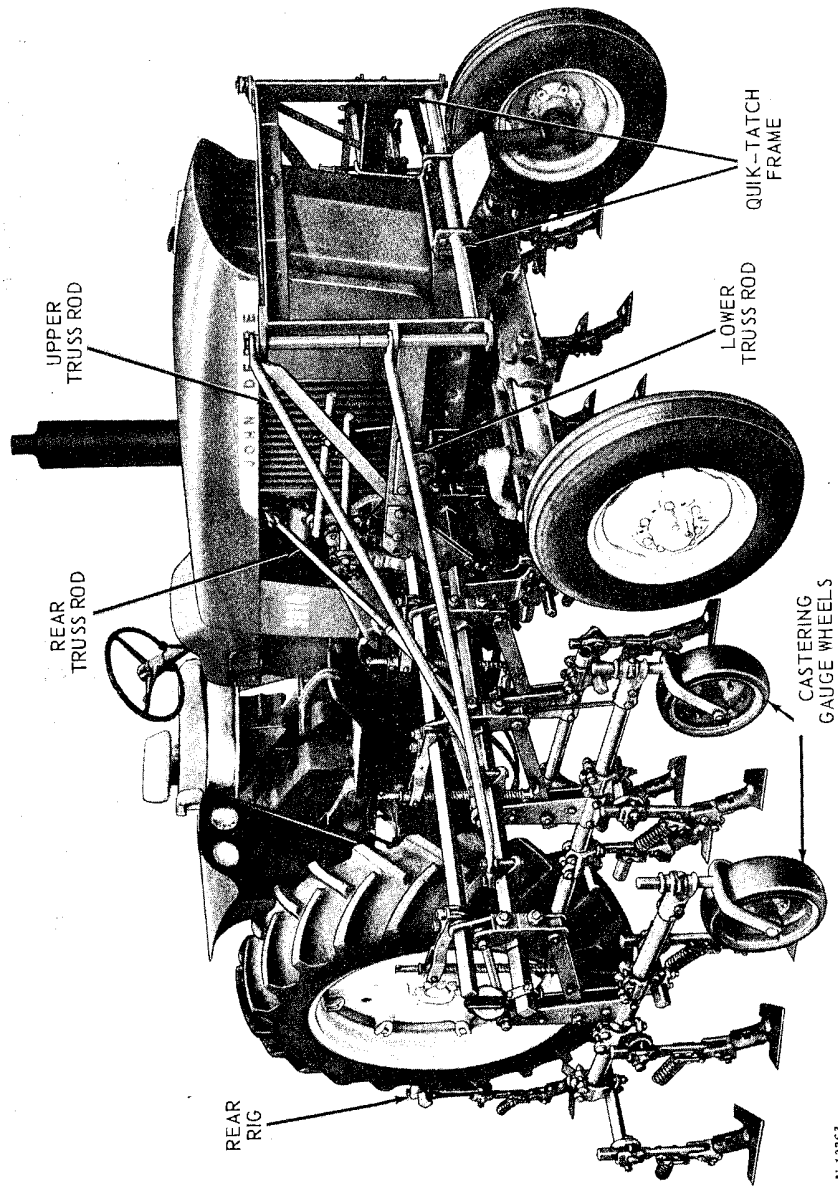
Cultivator Model

Date Purchased 19. . .

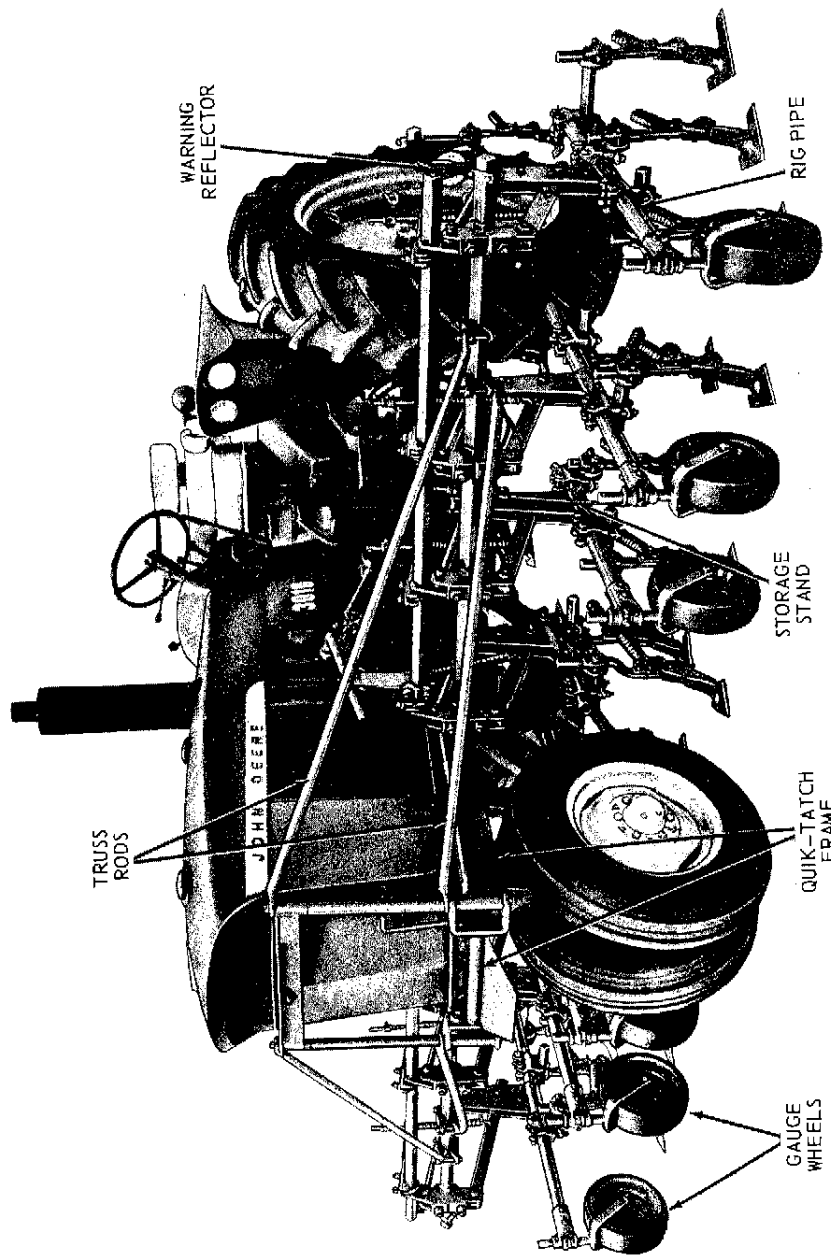
(To be filled in by Purchaser)

CONTENTS

	Page		Page
SPECIFICATIONS	5-7	Height of Shanks in Clamps	21
OPERATION	8-38	Adjusting Tilt of Sweeps . .	22
Controls	8-9	Adjusting Spring-Trip . . .	23
Timing Rockshaft Arm . . .	9	No. 2 Lift Pipe and Adjust- ing Lever	24
Tractor Tire Inflation . . .	9	Safety Suggestions	25
Leveling Front Cultivator Frames	10-11	Maintenance Suggestions . .	26
T4 Cultivator	10	Storage Suggestions	26
A2 and T2 Cultivators . .	10	Front Rig Row Spacing . .	27-38
A4 Cultivator	11	Setting Rig Hangers and Crossarm Clamps . . .	27
Depth of Cultivation . . .	11	Checking Row Spacing . .	28
Gauge Wheels	12	T2 Cultivator Row Spac- ing	28-30
Rig Depth Stops	13	A2 Cultivator Row Spac- ing	30-32
Storage Stands	13	T4 Cultivator Row Spac- ing	33-35
Tilting Front Rigs	13	A4 Cultivator Row Spac- ing	35-38
Height of Lift of Front Rigs	14		
Adjusting Rig Lift Rods . .	15	SWEEPS AND SHOVELS . . .	39-40
Flexibility of Rigs with Gauge Wheels	16	SPECIAL EQUIPMENT	41-54
Adjusting Down Pressure on Front Rigs	17	LUBRICATION	55
Overriding Stop on Cyl- inder	17	DETACHING CULTIVATOR FROM TRACTOR	56-58
Setting for Deeper Cultiva- tion	17	ATTACHING CULTIVATOR TO TRACTOR	59-63
Rear Rigs	18-20		
Outer Rear Rigs and Drawbar Mounted Center Rig	18		
Tool Bar Type Rear Rig	19-20		
Clamps, Shanks and Cross- arms	21		

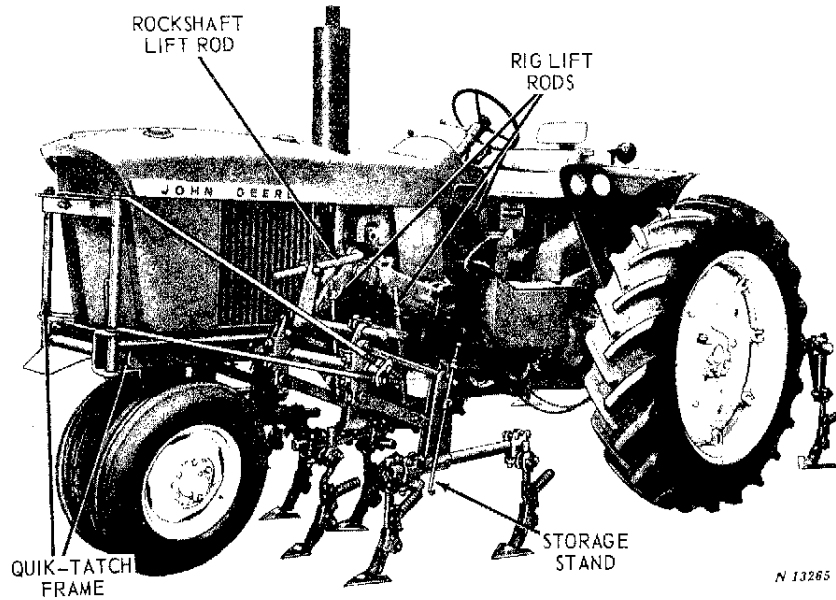


*John Deere A4F Cultivator with Regular Spring-Trip Shanks and Universal Sweeps
on 3010 Row-Crop Tractor*

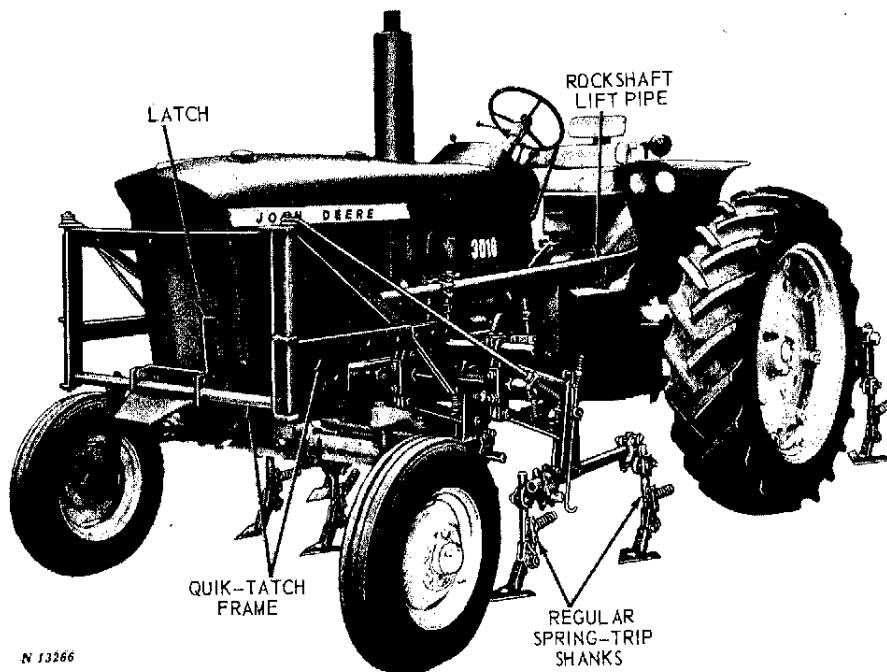


N 13264

*John Deere T4F Cultivator with Regular Spring-Trip Shanks and Sweeps
on 3010 Row-Crop Tractor*



John Deere T2F Cultivator with Regular Spring-Trip Shanks and Sweeps on 3010 Row-Crop Tractor



John Deere A2R Cultivator with Regular Spring-Trip Shanks and Sweeps on 3010 Row-Crop Tractor

SPECIFICATIONS

CULTIVATOR MODELS

A2R, T2R, A4R, and T4R are operated by rear rockshaft on tractor.

A2F, T2F, A4F, and T4F are operated by front rockshaft on tractor. The A2F and A4F are the only cultivators that will work on the 3020 and 3010 Row-Crop Utility Tractors. The T2F and T4F are the only cultivators that will work on the 2010 Tractor.

TRACTORS

T2 AND T4 CULTIVATORS

John Deere 2010, 2510, 3020, 4020, 3010, and 4010 Row-Crop Tractors with Single or Double Front Wheels, (except T4 on 3010 with 6.50 x 16 single wheel with 8-ply tire). The 2010 must be equipped with sway block supports when 120A, 120B, 140A, 140B, and 160A rear rigs are used.

A2 AND A4 CULTIVATORS

John Deere 2510, 3020, 4020, 3010, and 4010 Row-Crop Tractors with adjustable tread front axle.

John Deere 3020 and 3010 Row-Crop Utility Tractors with adjustable tread front axle (50 to 79 inches) and long wheel base. The tractor must also be equipped with a front-mounted rockshaft and a 3-point hitch. The cultivator cannot be mounted on a 3020 or 3010 Row-Crop Utility Tractor which has a short wheel base (81-1/2 inches), a fixed tread front axle (55-1/2 and 61 inches), or a rear muffler and tail pipe.

TRACTOR TIRE RESTRICTIONS

6.00 x 14 4-ply tires not recommended for use on double front wheel or adjustable tread front axle 2510 Tractor with A4 or T4 Cultivator.

9.00 x 10 8-ply tire not recommended for use on single front wheel 2510 Tractor with T4 Cultivator.

6.50 x 16 8-ply tire not recommended for use on single front wheel 3010 Tractor with T4 Cultivator.

ROW SPACING

A4 and T4 Cultivator — 36 to 42-inch rows.

A2 and T2 Cultivator — 28 to 42-inch rows.

CULTIVATOR WEIGHT

T2 — 600 pounds (approximately)

A2 — 860 pounds (approximately)

T4 — 1500 pounds (approximately)

A4 — 1550 pounds (approximately)

OPTIONAL EQUIPMENT

A2R AND T2R CULTIVATORS ON 3020, 4020, 3010, OR 4010 ROW-CROP TRACTORS

No. 2 Lift Pipe and Adjusting Levers.

6 Specifications

FRONT RIG EQUIPMENT

A2 AND T2 CULTIVATORS

Eight Single Spring-Tooth Shanks with Y722AN Shovels.

Eight Heavy-Duty Single Spring-Tooth Shanks with Y786AN Shovels

Eight Double Spring-Tooth Shanks with Y786AN Shovels.

Eight Friction-Trip Shanks with Universal Sweeps.

Eight Regular Spring-Trip Shanks with Universal Sweeps.

Eight Quick-Adjustable Spring-Trip Shanks with Universal Sweeps.

A4 AND T4 CULTIVATORS

Eighteen Single Spring-Tooth Shanks with Y722AN Shovels.

Eighteen Heavy-Duty Single Spring-Tooth Shanks with Y786AN Shovels

Eighteen Double Spring-Tooth Shanks with Y786AN Shovels.

Eighteen Regular Spring-Trip Shanks with Universal Sweeps.

Eighteen Friction-Trip Shanks with Universal Sweeps.

Eighteen Quick-Adjustable Spring-Trip Shanks with Universal Sweeps.

REAR RIGS

TOOL BAR TYPE

50A Series Tool Bar type for 3-point hitch.

53B Tool Bar type for 3-point hitch.

WITH 3-POINT HITCH MOUNTED CENTER RIG

110A and 110B Series Parallel Lift Type.

130A and 130B Series Straight Lift Type.

150A Series Offset Beam Type.

WITH DRAWBAR-MOUNTED CENTER RIG

120A and 120B Series Parallel Lift Type.

140A and 140B Series Straight Lift Type.

160A Series Offset Beam Type.

WITHOUT CENTER RIG (For Use with No. 3 Rig Attachment on T2 and T4 Cultivators):

170A and 170B Series Parallel Lift Type.

180A and 180B Series Straight Lift Type.

190A Series Offset Beam Type.

NOTE: All "B" Series (except 50B Series) or 50A Series Rear Rig are recommended for use when tractor is equipped with cane and rice tires.

SHANK EQUIPMENT FOR REAR RIGS

Regular Spring-Trip Shanks.
Quick-Adjustable Spring-Trip Shanks.
Single Spring-Tooth Shanks.
Friction-Trip Shanks.
Double Spring-Tooth Shanks for use on 56A Rear Rig only.
Long Regular Spring-Trip Shanks for use on 57A Rear Rig only.
Long Quick-Adjustable Spring-Trip Shanks for use on 58A Rear Rig only.

GAUGE WHEELS

Castering (Regular on A4 and T4, special on T2 Cultivator).
Rigid (Optional on A4 and T4, special on T2 Cultivator).
Anti-friction rigid (Optional on A4 and T4, special on T2 Cultivator).

SWEEPS AND SHOVELS

A wide variety of types and sizes available.

SPECIAL EQUIPMENT

A2, T2, A4, AND T4 CULTIVATORS

No. 1 Center Attachment.
No. 21 Spring-Tooth Attachment.
No. 3A Rotary Hoe Attachment.
No. 1 Listed Crop Attachment.
Spread Arch.
Spread Bar.
Rig Bar.
Disk Hillers.
Rear Rig Stop.

No. 4 Minimum Tillage Attachment (A4 and T4 only).

Storage Stands.

Shields — frame-mounted, rig-mounted, hooded.

Various planter and fertilizer attachments.

Weeding Knife Shanks.

Heavy-Duty Double Spring-Tooth Shanks.

A2 AND T2 CULTIVATORS ONLY

AB690E and AB690F Bean Harvesters.

96E Peanut Puller.

T2 CULTIVATOR ONLY

Front Rig Depth Stops (outside rigs).

12D and 14B Vine Turner Attachments.

Gauge Wheels (outside rigs).

A2 AND A4 CULTIVATORS ONLY

12E, 13B, and 14C Vine Turners.

T2 AND T4 CULTIVATORS ONLY

No. 3 Rig Attachment (2510, 3010, 3020, 4010, and 4020 Tractors only).

12D and 14B Vine Turners.

T4 AND A4 CULTIVATORS ONLY

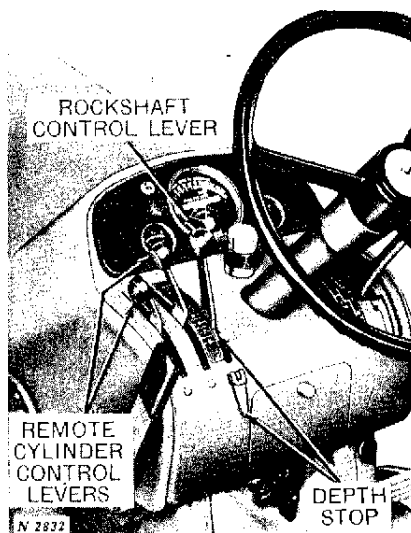
AB690G Bean Harvesters

(Specifications and design subject to change without notice.)

OPERATION

CONTROLS

2510, 3010, 3020, 4010 AND 4020 TRACTORS



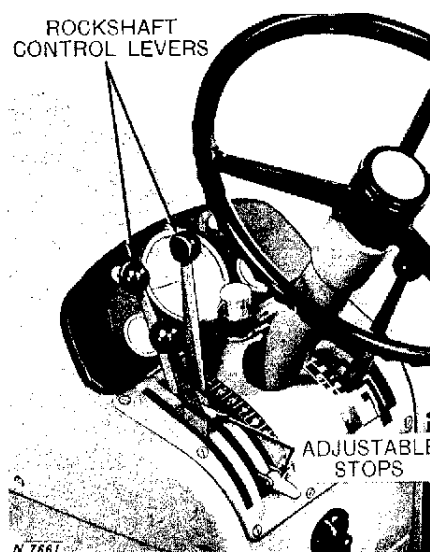
The A2R, T2R, A4R, T4R Cultivators on 2510, 3010, 3020, 4010, or 4020 Tractor are controlled by the rockshaft control lever on the tractor. Push the lever forward to raise the cultivator (both front and rear rigs) and pull it to the rear to lower the cultivator.

When the A2F, T2F, A4F, or T4F Cultivator is on 2510, 3010, 3020, 4010, or 4020 Tractor, the front rigs are controlled by the remote cylinder operating levers. The rear rigs are controlled by the rockshaft control lever.

Install hydraulic cylinders and operate the controls as instructed in your tractor operator's manual.

2010 TRACTORS

Dual Hydraulic System



The T2F or T4F Cultivator on a John Deere 2010 Tractor with a dual hydraulic system is controlled by the rockshaft control levers on the tractor.

To operate the front rigs together, but independent of the rear rig, set the tractor hydraulic system for independent lift arm operation.

Only the left-hand rod should be used from the rear rockshaft to the front rockshaft. Set the two sides of the front rockshaft for parallel operation.

The left-hand rockshaft control lever controls the front rigs and the right-hand lever controls the rear rig.

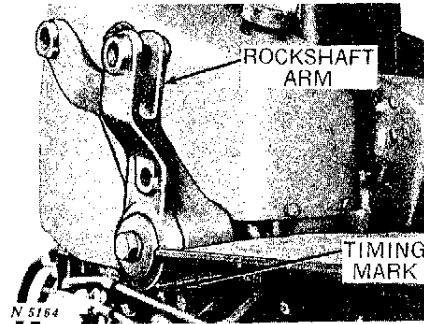
To operate the front rigs independently, set the tractor hydraulic system and front rockshaft for independent lift arm operation. The tractor must have a dual control front rockshaft. The left-hand rockshaft control lever controls the left-hand side of the cultivator and the right-hand lever controls the right-hand side of the cultivator and the rear rigs. See your tractor operator's manual.

If it is desired to have the front and rear rigs operate simultaneously, set the tractor hydraulic system and front rockshaft for parallel lift arm operation. Use the right-hand control lever to control the cultivator. See your tractor operator's manual.

Single Hydraulic System

The T2F and T4F Cultivator on a John Deere 2010 Tractor with single hydraulic system is controlled by the rockshaft control lever on the tractor. Moving the control lever rearward raises both cultivator front and rear rigs while moving the lever forward lowers the rigs. See your tractor operator's manual.

TIMING ROCKSHAFT ARM Rear Rockshaft Operated Cultivators on 2510, 3010, 3020, 4010, and 4020 Tractors



It is important that the rockshaft arms attached to the tractor to operate the cultivator are properly timed. If the cultivator is equipped with a rear rig and the arms are not timed, it could mean the front and rear rigs will not operate at the same depth.

The rockshaft arm is timed properly when the timing mark on the arm is in line with the timing mark on the tractor rockshaft.

TRACTOR TIRE INFLATION

Refer to your tractor operator's manual for operating instructions on tractor tire inflation pressures.

Thank you so much for reading.
Please click the “Buy Now!”
button below to download the
complete manual.



After you pay.

You can download the most
perfect and complete manual in
the world immediately.

Our support email:

ebooklibonline@outlook.com