

 **HONDA**

OWNER'S MANUAL

READ THIS MANUAL CAREFULLY,
IT CONTAINS IMPORTANT SAFETY INFORMATION.



MINIMUM RECOMMENDED OPERATOR AGE: 16

**TRX500FA
FOURTRAX
FOREMAN RUBICON**

CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL

- Thank you very much for reading the preview of the manual.
- You can download the complete manual from: www.heydownloads.com by clicking the link below



- Please note: If there is no response to CLICKING the link, please download this PDF first and then click on it.

CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL

Important Safety Information

Your ATV can provide many years of service and pleasure — if you take responsibility for your own safety and understand the challenges you can meet while riding.

There is much that you can do to protect yourself when you ride. You'll find many helpful recommendations throughout this manual. The following are a few that we consider most important.

Follow the Age Recommendation

The minimum recommended age for this ATV model is 16. Children under age 16 should never operate this vehicle.

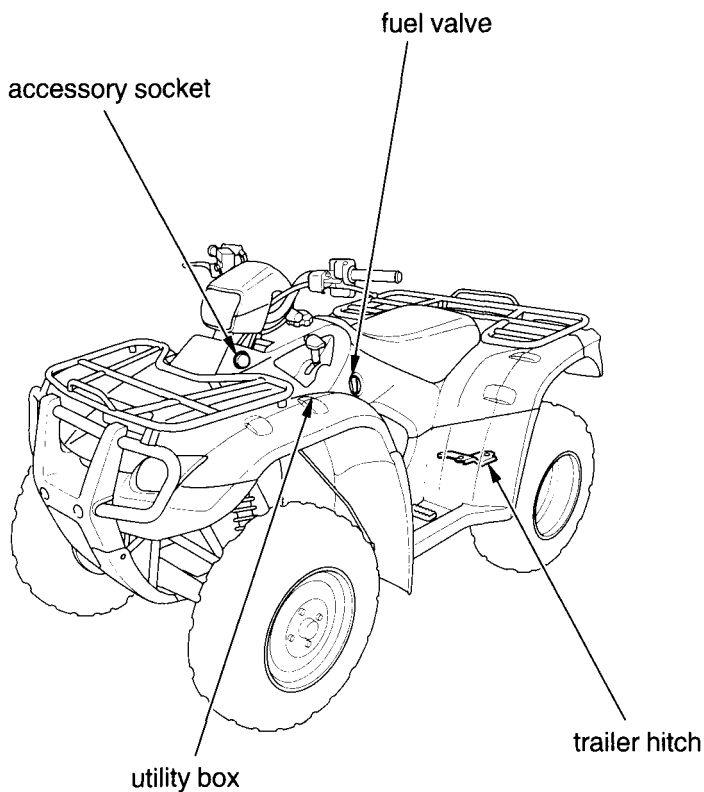
Always Wear a Helmet

It's a proven fact: helmets significantly reduce the number and severity of head injuries. So always wear an approved motorcycle helmet. We also recommend that you wear eye protection, sturdy boots, gloves, and other protective gear (page 46).

Never Carry a Passenger

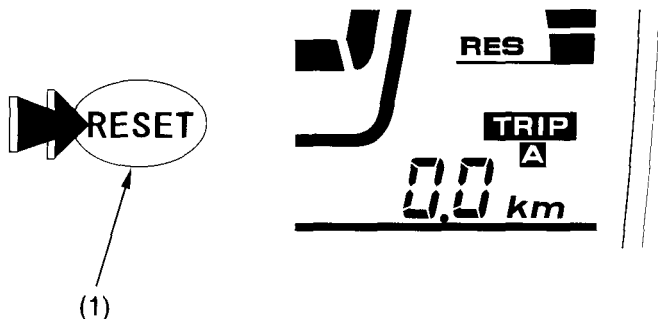
Your ATV is designed for one person only. There are no handholds, footrests, or seat for a second person — so never carry a passenger. A passenger could interfere with your ability to move around to maintain your balance and control of the ATV.

Operation Component Locations



Indicators & Displays

To reset the tripmeter to zero, press and hold the RESET button (1) for more than 2 seconds with the display in the tripmeter A or tripmeter B mode.



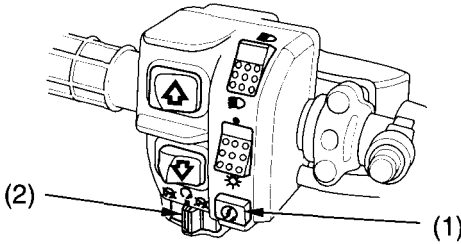
(1) RESET button

Controls & Features

Start Button



LEFT HANDLEBAR



(1) start button

(2) engine stop switch

⚡ START

⊗ OFF

○ RUN

The start button (1) is used for starting the engine. Pushing the button in starts the engine. See *Starting Procedure*, page 66.

When the start button is pushed, the starter motor will crank the engine. The starter motor will not operate if the engine stop switch is in the OFF (⊗) position when the start button is pushed.

Engine Stop Switch



The engine stop switch (2) is used to stop the engine in an emergency. To operate, slide the switch to either OFF (⊗) position. The switch must be in the RUN (○) position to start the engine, and it should normally remain in the RUN (○) position even when the engine is OFF.

If your ATV is stopped with the ignition switch ON (|) and the engine stop switch OFF (⊗), the battery will discharge. Turn the ignition switch OFF (○) to prevent battery discharge.

Controls & Features

Utility Box

The utility box (1) is located on the left side of the front fender. You may store small, lightweight items in the box.

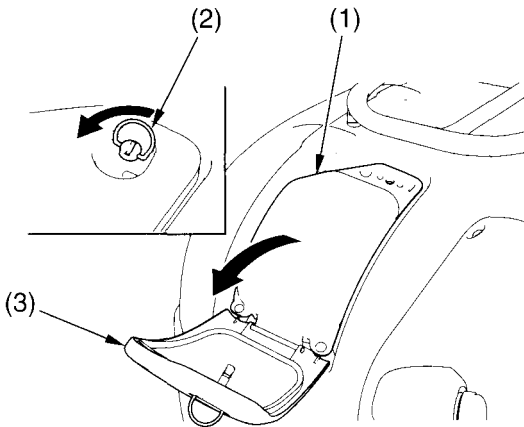
To open:

Lift the D-ring (2) on the quick-release fastener. Turn it counterclockwise until it releases. Open the utility box cover (3).

To close:

Close the cover and turn the D-ring clockwise until it secures the cover.

FRONT FENDER



(1) utility box
(2) D-ring

(3) utility box cover

Load Limits & Guidelines

Your Honda was designed as a rider-only ATV. It was not designed to carry a passenger. It can carry cargo on the cargo racks, however, carrying cargo anywhere else or carrying a passenger could interfere with your balance and control of the ATV.

In addition, exceeding the weight limits or carrying an unbalanced load can seriously affect your ATV's handling, braking and stability. Adding accessories or making modifications that change this ATV's design and performance can also make it unsafe. Also, the weight of any accessories will reduce the maximum load the ATV can carry.

More specific information on load limits, accessories, and modifications follows.

Loading

How much weight you put on your ATV, and how you load it, are important to your safety. If you decide to carry cargo, you should be aware of the following information.

WARNING

Overloading, improper loading, or carrying a passenger can cause a crash and you can be seriously hurt or killed.

Follow all load limits and other loading guidelines in this manual.

Safe Riding Precautions

Use Care on Unfamiliar or Rough Terrain

Before riding in a new area, always check the terrain thoroughly. Don't ride fast on unfamiliar terrain or when visibility is limited. (It's sometimes difficult to see obstructions like hidden rocks, bumps, or holes in time to react.)

⚠ WARNING

Failure to use extra care when operating this ATV on unfamiliar terrain could result in the ATV overturning or going out of control.

Go slowly and be extra careful when operating on unfamiliar terrain. Always be alert to changing terrain conditions when operating the ATV.

Shifting Gears

The gearshift lever (1) is located on the left side of the fuel tank. To shift the gearshift lever, bring the ATV to a complete stop.

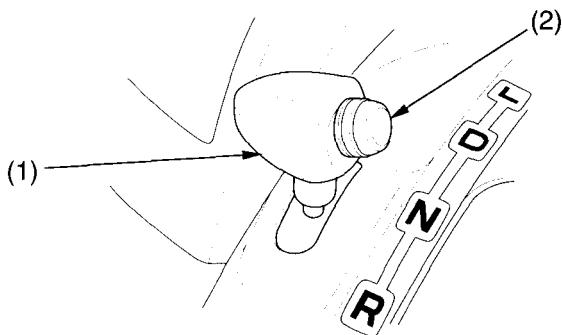
NOTICE

If the gearshift lever is moved while the vehicle is moving, the sub-transmission may be damaged.

For most shifts, move the gearshift lever without pushing the release button (2).

You must push the release button before moving the gearshift lever in the following two situations:

- To shift out of Neutral (N)
- To shift down to Low (L) from Drive (D)

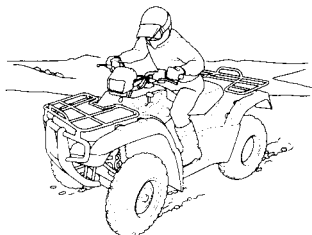
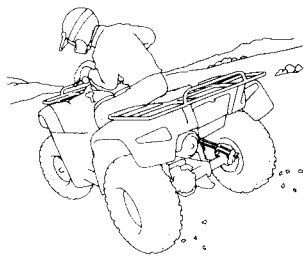


(1) gearshift lever

(2) release button

If the gearshift lever will not move easily to another gear position, rock the vehicle back and forth slightly to line up the gears in the sub-transmission.

Riding Your ATV



Lean your body to the inside of a turn and forward.

To make a turn on level ground: Steer the handlebar and lean your body toward the inside of the turn. Leaning helps balance the vehicle, and it feels more comfortable. Leaning into a turn is an important technique to master in riding an ATV.

To make a sharp turn at low speed: It helps to shift your body slightly forward on the seat, and lean inside, as you steer the handlebar. Shifting weight forward allows the rear wheels to turn easier, and it also improves front-wheel steering.

To make a turn from a full stop: Apply the throttle gradually when you turn and start up at the same time. Remember to shift your body forward to make sharp low-speed turns and whenever you turn while accelerating from a full stop.

Riding Your ATV

Riding Through Water

Your ATV is designed to travel through water up to approximately 254 mm (10 inches) deep. Before crossing a stream, make sure the water is not too deep or flowing too fast.

WARNING

The ATV tyres have some ability to float. Operating this ATV through deep or fast-flowing water may cause a loss of traction and loss of control, which could lead to an accident.

Never operate this ATV in fast-flowing water or in water deeper than that specified in this Owner's Manual.

1. Choose a path where both banks have gradual slopes.
2. Proceed through the water at a slow, steady speed.
3. Watch out for submerged obstacles and slippery rocks.
4. Avoid getting the spark plug or air cleaner wet, as this would cause the engine to stop.
5. After leaving the water, always test both the front and rear brakes.
 - Riding through water can make the brakes less effective than normal, and may reduce stopping ability.
 - If necessary, apply the brakes repeatedly until they dry out and operate normally.
 - If the brakes don't regain effectiveness, stop your ATV and follow the procedures on page 160.

Maintenance Schedule

ITEMS	FREQUENCY	WHICHEVER COMES FIRST		INITIAL MAINT.	REGULAR MAINT. INTERVAL		Refer to page
		⇔	km	150	1000	2000	
			mi	100	600	1200	
		NOTE	HOURS	20	100	200	
DRIVE SHAFT BOOTS							169
REAR FINAL GEAR							125
CASE OIL AND DIFFERENTIAL OIL					(REVERY 2 YEARS)		127
* BRAKE FLUID	NOTE 3						150
* BRAKE SHOES WEAR	NOTE 1						158
* BRAKE PADS WEAR	(NOTE 1,2)						153
* BRAKE LIGHT SWITCH							159
BRAKE SYSTEM							150
SKID PLATES, ENGINE GUARD							168
* SUSPENSION							—
* SPARK ARRESTER					C	C	148
* NUTS, BOLTS, FASTENERS							—
** WHEELS/TYRES							161
** STEERING SHAFT HOLDER BEARINGS							—
** STEERING SYSTEM							—

- * Should be serviced by your Honda dealer, unless you have the proper tools and service data and are mechanically qualified. Refer to the official Honda Shop Manual.
- ** In the interest of safety, we recommend these items be serviced only by your Honda dealer.

CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL

- Thank you very much for reading the preview of the manual.
- You can download the complete manual from: www.heydownloads.com by clicking the link below



- Please note: If there is no response to CLICKING the link, please download this PDF first and then click on it.

CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL

1. To open the fuel fill cap (1), turn it counterclockwise.
2. Pull the breather tube (2) out of the handlebar cover hole (3).
3. Add fuel until the level reaches the bottom of the filler neck (4).
Avoid over filling the tank. There should be no fuel in the filler neck.

WARNING

Petrol is highly flammable and explosive. You can be burned or seriously injured when handling fuel.

- Stop the engine and keep heat, sparks and flame away.
- Handle fuel only outdoors.
- Wipe up spills immediately.

4. After refueling, turn the fuel fill cap clockwise until it clicks.
5. Insert the breather tube into the handlebar cover hole.
6. If the fuel valve was set to RES, turn the fuel valve ON.

If you replace the fuel fill cap, use only a genuine Honda replacement part.

Gear Case Oil

Oil Recommendation

type	hypoid gear oil
viscosity (weight)	SAE 80

Changing Oil

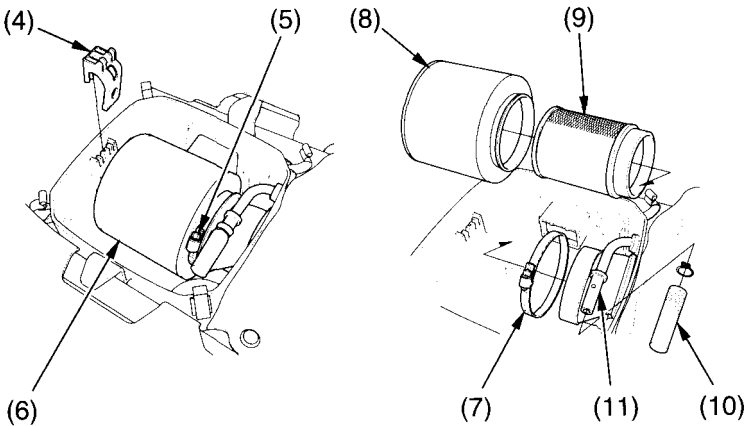
Refer to *Safety Precautions* on page 101.

Changing the oil with the gear case at normal operating temperature to assure complete and rapid draining.

Air Cleaner

4. Remove the element holder (4).
5. Loosen the screw (5) and remove the air cleaner assembly (6) from the air cleaner housing.
6. Unscrew the clamp (7).
7. Remove the air cleaner (8) from the air cleaner body (9).
8. Remove the sub air cleaner (10) from the air cleaner joint (11).
9. Gently wash the air cleaner and sub air cleaner in clean, non-flammable (high flash point) solvent such as kerosene — not petrol. After cleaning, gently squeeze out the remaining solvent. Avoid twisting or wringing the air cleaner. This can tear the foam.
10. Inspect for tears or cracks in the foam or seams of the air cleaner and/or sub air cleaner. Replace the air cleaner and/or sub air cleaner if it is damaged.

UNDER SEAT



- (4) element holder
- (5) screw
- (6) air cleaner assembly
- (7) clamp

- (8) air cleaner
- (9) air cleaner body
- (10) sub air cleaner
- (11) air cleaner joint

(cont'd)

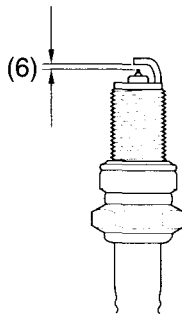
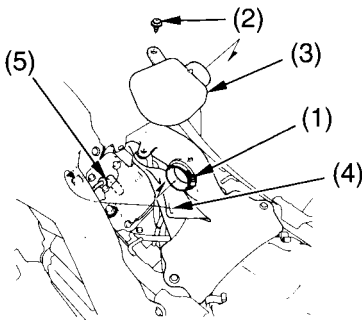
Spark Plug

Spark Plug Replacement & Inspection

Refer to *Safety Precautions* on page 101.

1. Remove the seat (page 112).
2. Loosen the screw (1) and remove the resonance chamber (2).
3. Remove the resonance chamber (3).
4. Unhook the rubber cover (4).
5. Clean any dirt from around the spark plug base.
6. Disconnect the spark plug cap (5). Take care to avoid damaging the spark plug wire when disconnecting the cap.
7. Using the spark plug wrench, remove the spark plug.
8. Inspect the electrodes and centre porcelain for deposits, corrosion, or carbon fouling. If the corrosion or deposits are heavy, replace the plug.
9. Make sure that a 1.0 mm wire-type feeler gauge cannot be inserted between the spark plug gap (6). If the gauge fits in the gap, replace the plug with a new one.

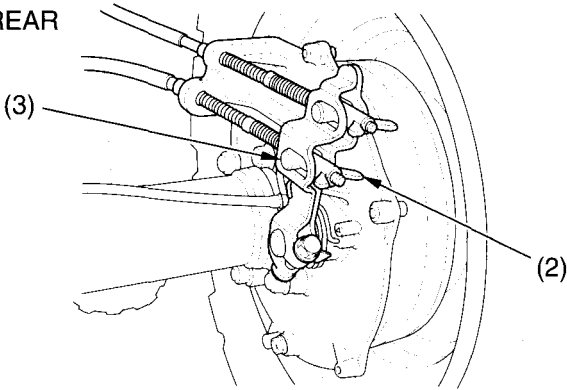
UNDER SEAT



- | | |
|-----------------------|--------------------|
| (1) screw | (4) rubber cover |
| (2) clip | (5) spark plug cap |
| (3) resonance chamber | (6) spark plug gap |

Adjustment

RIGHT REAR



(2) brake pedal adjusting nut

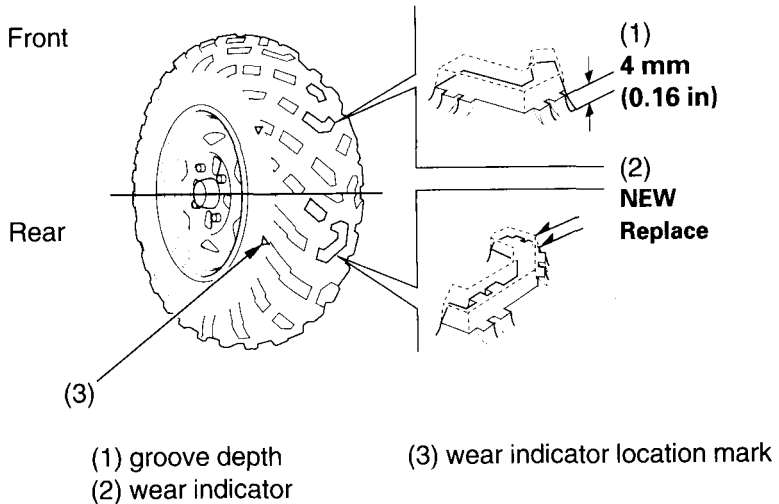
(3) brake arm pin

Turn the brake pedal adjusting nut (2), located on the brake operating rod at the rear of the frame. Make sure the cutout on the adjusting nut is properly seated on the brake arm pin (3).

Tyres

Also, if you hit a pothole or other hard object while riding, stop as soon as you safely can and carefully inspect the tyres for damage.

Tread Wear



To check the condition of a tyre tread, measure the groove depth (1) in the centre of the tyre, or check the wear indicator (2).

For best performance, you should replace a tyre before the tread depth at the centre reaches the following limits:

front	4 mm (0.16 in)
rear	4 mm (0.16 in)

Appearance Care

Frequent cleaning and polishing will keep your Honda looking newer longer.

Frequent cleaning also identifies you as an owner who values his ATV. A clean ATV is also easier to inspect and service.

General Recommendations

Refer to *Safety Precautions* on page 101.

- To clean your ATV, you may use:
 - water
 - a mild, neutral detergent and water
 - a mild spray and wipe cleaner/polisher
 - a mild spray and rinse cleaner/degreaser and water
- Avoid products that contain harsh detergents or chemical solvents that could damage the metal, paint, and plastic on your ATV.
- If your ATV is still warm from recent operation, give the engine and exhaust system time to cool off.
- Park in a shady area. Washing your ATV in bright sunlight may cause the finish to fade because water droplets intensify the sun's brightness.
- Spotting is also more likely because surface water can dry before you have time to wipe it off.
- Clean your ATV regularly to protect surface finishes.
- We recommend the use of a garden hose to wash your ATV. High pressure washers (like those at coin-operated car washers) can damage certain parts of your ATV.

NOTICE

High pressure water (or air) can damage certain parts of your ATV.

- After cleaning, inspect for damage, wear, and leaks (fuel, oil, coolant and brake fluid).

Storing Your Honda

If you won't be riding for an extended period, such as during the winter, thoroughly inspect your ATV and correct any problem before storing it. That way, needed repairs won't be forgotten and it will be easier to get your ATV running again.

We suggest you perform the following procedures to keep your ATV in top condition. These storage procedures will reduce the deterioration that can occur during storage.

If Your Engine Quits or Won't Start

SYMPTOM: Engine starts, but runs poorly.	
POSSIBLE CAUSE	WHAT TO DO
idles roughly, too fast, stalls	Check engine idle adjustment (page 142). If the problem persists, see your Honda dealer.
poor engine performance at altitudes above 1,000 m.	Ask your Honda dealer to modify the carburetion with a high altitude jet. Refer to <i>High Altitude Carburetor Adjustment</i> , page 219.
high oil/coolant temperature	Check the high oil/coolant temperature indicator. Refer to <i>If the High Oil/Coolant Temperature Indicator Lights</i> , page 201 .
runs erratically, misfires	See your Honda dealer.
blubbers (rich fuel mixture)	See your Honda dealer.
sooty exhaust (rich fuel mixture)	See your Honda dealer.
detonates or pings under load	If applicable, switch to the recommended octane petrol (page 113) or change your brand of petrol. If the problem persists, see your Honda dealer.
afterfires (backfires)	See your Honda dealer.
pre-ignition (runs on after ignition switched OFF)	See your Honda dealer.

If a Fuse Blows

If you do not have a spare fuse and you cannot ride the ATV without fixing the problem, take a fuse of the same rating or a lower rating from one of the other circuits that you can do without temporarily.

If you replace a blown fuse with a spare fuse that has a lower rating, replace the fuse with the correct rating as soon as you can. Also remember to replace any spare fuses that were installed.

If the replacement fuse of the same rating burns out in a short time, there is probably a serious electrical problem on your ATV. Leave the blown fuse in that circuit and have your ATV checked by your Honda dealer.

Specifications

Power Transmission		
primary reduction		1.045
secondary reduction		2.000
final reduction	front	3.231
	rear	3.154
sub transmission ratio	drive	1.583
	low	2.500
	reverse	3.222
final drive		shaft
Noise level (ISO 5131)	86.0 dB (A)	
Vibration on seat (EN 1032, ISO 5008)	Not exceed 0.5 m/s ²	
Vibration on handlegrip (EN 1033, EN 709)	7.5 m/s ²	

Chassis & Suspension	
caster	2°
trail	8 mm (0.3 in)
tyre size, front	AT25 × 8-12 ★★ DUNLOP KT181
tyre size, rear	AT25 × 10-12 ★★ DUNLOP KT185
tyre pressure, front & rear (cold)	25 kPa (0.25 kgf/cm ² , 3.6 psi)
maximum tyre pressure, front & rear (cold)	28 kPa (0.28 kgf/cm ² , 4.0 psi)
minimum tyre pressure, front & rear (cold)	22 kPa (0.22 kgf/cm ² , 3.2 psi)

Table of Contents

Chassis

Brakes.....	150
Tyres	161
Engine Guard & Skid Plates.....	168
Driveshaft Boots	169

Electrical

Battery.....	170
--------------	-----

Appearance Care	175
-----------------------	-----

TIPS..... 181

Preparing for a Ride.....	182
What to Take to The Riding Area.....	182
What to Take on The Trail.....	183
Transporting Your Honda	184
Storing Your Honda.....	186
Preparation for Storage	187
Removal from Storage	189
You & the Environment.....	190

TAKING CARE OF THE UNEXPECTED..... 191

General Guidelines.....	192
If Your Engine Quits or Won't Start.....	194
If the Transmission Is Not Functioning Properly.....	197
If You Have a Flat Tyre	198
If the High Oil/Coolant Temperature Indicator Lights	201
If a Fuse Blows	203
If You Crash.....	207
If You Lose Your Key	208
If the Battery Is Low (or Dead).....	209
If a Component Fails.....	210

CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL

- Thank you very much for reading the preview of the manual.
- You can download the complete manual from: www.heydownloads.com by clicking the link below



- Please note: If there is no response to CLICKING the link, please download this PDF first and then click on it.

CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL