

# 6. SHOCK ABSORBERS

**4x**

970121  
O 12.1x1.6

SHOCK OIL

SHOCK OIL

SHOCK OIL

CUTAWAY VIEW

Be careful not to cross-thread the collar on the shock body.

**4x**

SHOCK OIL

OPTIONAL SHOCK TOOL (HUDY #183010)

970050  
O 5x1

971031  
O 3.1x1.6

**4x**

1mm

INCORRECT X

CORRECT ✓

DETAIL

USE ONLY separate ball-joints (part #308316).

HINT: Pre-thread the ball joint using an M3 screw.  
WARNING! Be careful not to pre-thread too far, since the ball joint may split or the plastic threads may strip out

**4x**

SHOCK FILLING

SHOCK OIL

- 1 Fully extend the piston rod so the piston is at the bottom of the shock body.
- 2 Hold the shock upright and slightly overfill the shock body with shock oil.
- 3 Let the oil settle and allow air bubbles to rise to the top. Slowly move the piston up and down until no more air bubbles appear. Add shock oil as necessary.
- 4 Pull the piston rod most of the way out of the shock body. Let the shock rest for 5 minutes to allow the air bubbles to escape.

**4x**

FOAM INSERT

CUTAWAY VIEW

After you insert the membrane ensure that it sits properly all around the alu cup.

**4x**

When installing the shock cap assembly on the shock body, some oil will leak out... this is normal.

Fully tighten the cap and clean off any excess oil.

After the shock is assembled, the shock rod will push itself out of the shock body fairly quickly.

Follow the next procedure to adjust the rebound.

SHOCK OILS		#359245	450cSt
#359210	100cSt (XRAY 20W)	#359250	500cSt
#359215	150cSt	#359260	600cSt (XRAY 35W)
#359220	200cSt (XRAY 25W)	#359270	700cSt
#359225	250cSt	#359280	800cSt
#359230	300cSt	#359290	900cSt
#359235	350cSt (XRAY 30W)	#359301	1000cSt (XRAY 40W)
#359240	400cSt	#359302	2000cSt (XRAY 50W)

**SET-UP BOOK**

SHOCK DAMPING

EFFECTS OF SHOCK DAMPING