

BIKE TEST SCENARIOS

S/N	Precondition (Given that)	Action (When)	Assertion (Check that)
1	I have a bike My bike is off	I turn it on	It is on
2	I have a bike My bike is on	When I turn it off	It is off
3a	I have a bike My bike is on My bike is on gear one Speed is 15	When I accelerate speed	Speed increases to 16
3b i	I have a bike My bike is on My bike is on gear one Speed is 20	When I accelerate speed	Speed increases to 21 Gear changes to 2
3b ii	I have a bike My bike is on My bike is on gear two Speed is 27	When I accelerate speed	Speed increases to 29

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S/N	Precondition (Given that)	Action (When)	Assertion (Check that)
3c i	I have a bike My bike is on My bike is on gear two Speed is 29	When I accelerate speed	Speed increases to 31 Gear changes to 3
3c ii	I have a bike My bike is on My bike is on gear three Speed is 37	When I accelerate speed	Speed increases to 40
3d i	I have a bike My bike is on My bike is on gear three Speed is 40	When I accelerate speed	Speed increases to 43 Gear changes to 4
3d ii	I have a bike My bike is on My bike is on gear four Speed is 47	When I accelerate speed	Speed increases to 51

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S/N	Precondition (Given that)	Action (When)	Assertion (Check that)
4a i	I have a bike My bike is on My bike is on gear four Speed is 59	When I decelerate speed	Speed decreases to 55
4a ii	I have a bike My bike is on My bike is on gear four Speed is 43	When I decelerate speed	Speed decreases to 40 Gear changes to 3
4b i	I have a bike My bike is on My bike is on gear three Speed is 35	When I decelerate speed	Speed increases to 32
4b ii	I have a bike My bike is on My bike is on gear three Speed is 31	When I decelerate speed	Speed increases to 28 Gear changes to 2

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S/N	Precondition (Given that)	Action (When)	Assertion (Check that)
4c i	I have a bike My bike is on My bike is on gear two Speed is 24	When I decelerate speed	Speed decreases to 22
4c ii	I have a bike My bike is on My bike is on gear two Speed is 21	When I decelerate speed	Speed decreases to 19 Gear changes to 1
4b i	I have a bike My bike is on My bike is on gear one Speed is 15	When I decelerate speed	Speed decreases to 14
5	I have a bike My bike is on My bike is on gear one Speed is 0	When I decelerate speed below 0	Speed is still 0